

16500, INC 2100 POWELL ST SUITE 800 EMERYVILLE, CA 94608-1826

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Tunable White | Color Tuning

21-12877-4 6/24/2021

Submission Type		
Prior Approval	Resubmittal for Approval	Approval
Corrections	✓ Your Use	Other

Submitted To: 16500, INC, EMERYVILLE, CA



Submitted By 16500, INC

Туре	Qty	Manufacturer/Brand	Catalog Number	Notes
	1	3G	3G-PDL45RF 11H TW 20 H90 40D UNV DMX WH WI WCN RSW S96	
	1	3G	3G-DL33RF70 TW 20 H90 40D UNV DMX WT WI IC	
	1	3G	3G-DL33RA TW 20 H90 40D UNV DMX WT WI IC	
	1	3G	3G-DL40SA TW 20 H90 40D UNV DMX WT WI IC	
	1	3G	3G-DL33RWW TW 20 H90 WW UNV DMX WT WI IC	
	1	3G	3G-DL40SWW TW 20 H90 WW UNV DMX WT WI IC	
	1	3G	3G-DL40SF TW 20 H90 40D UNV DMX WT WI IC	
	1	3G	3G-DL45RWW TW 20 H90 WW UNV DMX WT WI IC	
	1	3G	3G-1RLI TW L750 H90 UNV DMX WT FL S-2'	
	1	3G	3G-2RLI TW L750 S80 UNV DMX WT FL S-2'	
	1	3G	3G-4RLI TW L1000 H90 UNV DMX WT FL S-2'	
	1	3G	3G-1PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'	
	1	3G	3G-2PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'	
	1	3G	3G-4PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'	
	1	3G	3G-RC1M5 TW 12 H90 40D UNV DMX WT WG WH NC	
	1	3G	3G-RC2M5 TW 20 H90 40D UNV DMX WT WG WH NC	
	1	3G	3G-RC3M5 TW 20 H90 40D UNV DMX WT WG WH NC	
	1	3G	3G-RC1 TW 20 H90 40D UNV DMX WT WG WH IC	(
	1	3G	3G-RC2 TW 20 H90 40D UNV DMX WT WG WH IC	(
	1	3G	3G-RC3 TW 20 H90 40D UNV DMX WT WG WH IC	(
	1	3G	3G-RC4 TW 20 H90 40D UNV DMX WT WG WH IC	(
	1	3G	3G-RC1M5-4RD TW 20 H90 40D UNV DMX WT WG BK IC	
	1	3G	3G-RC1-5RD TW 22 H90 40D UNV DMX WT WG BK IC	
	1	3G	3G-48RMSL TW 20 H90 40D UNV DMX WT WG WH S-4' 12	
	1	3G	3G-58RMSL TW 20 H90 40D UNV DMX WT WG WH S-4' 12	
	1	3G	3G-PM1 TW 20 H90 40D UNV DM2 WG WH 60	(



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Туре	Qty	Manufacturer/Brand	Catalog Number	Notes
	1	3G	3G-PM2 TW 20 H90 40D UNV DMX WG WH 60	
	1	3G	3G-PM3 TW 20 H90 40D UNV DMX WG WH 60	
	1	3G	3G-SM1 TW 20 H90 40D UNV DMX WG WH	
	1	3G	3G-SM2 TW 20 H90 40D UNV DMX WG WH	
	1	3G	3G-SM3 TW 20 H90 40D UNV DMX WG WH	
	1	3G	3G-4RPE TW L1000 H90 UNV DMX WT FL S-2'	Χ
	1	3G	3G-4RGZ TW L1000 H90 UNV DMX WT W-2FT	
	1	Acclaim Lighting	AGH 241 DKQN	
	1	Acclaim Lighting	PBA 242 D T M N	
	1	Acclaim Lighting	DDE 211 AAM N	
	1	Acclaim Lighting	DDM 221 AAMN	
	1	Acclaim Lighting	DGH 241 4KMN	
	1	ABL-Mark Lighting	MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL	
	1	ABL-Mark Lighting	MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL	
	1	Targetti	DL TW 43 O T2 HC 24	
	1	Heilux	DYNAMIC WHITE LIGHT SHEET 12" X 24"	CUSTOM PROJECT QUOTES ONLY
	1	Lumium	HS2 CS 8 TW2765 S F S F DMX SC SW 44 SW W 4	
	1	Lumium	HS2 CS 2 TW2765 S G S F 1TW SC SW 44 SW W 4	
	1	Lumium	O3.1 CS 8 TW2765 S F S F DMX SC SW 44 SW W 4	
	1	Lumium	O3.1 CS 2 TW2765 S G S F 1TW SC SW 44 SW W 4	
	1	Lumium	ND3 CS 8 TW2765 S F S F DMX SC SW 44 SW W 4	
	1	Lumium	N3 CSD 8 TW2765 S F DMX16 SC SW 44 SW W 4	
	1	Lumium	N3 CS 2 TW2765 S G 1TW SC SW 44 SW W 4	
	1	KELVIX	CT1865-24V	
	1	Lighting Services, Inc.	LX2044-L19 10-90 CO S1 CT1-DX 120 S	
	1	Lighting Services, Inc.	LX2084-L32 50-90 CO X2 CT1-DX 120 S	



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Туре	Qty	Manufacturer/Brand	Catalog Number	Notes
	1	Lighting Services, Inc.	LX2060-L19 15-90 CO S1 CT1-DX 120 S	
	1	Lighting Services, Inc.	LX2048-L19 10-90 CO S1 CT1-DX 120 S	
	1	Lighting Services, Inc.	LX2088-L19 50-90 CO X2 CT1-DX 120 S	
	1	Lighting Services, Inc.	LX2030-L19 08-90 CO S1 CT2-DX 120 S	
	1	LLI Architectural Lighting	LLI-N3.7W-67-DSS-2K5-24V-PF	
	1	LLI Architectural Lighting	LLI-FS46.0W-20-2K6-80-24V	
	1	Prudential Lighting	O-40 TU HO FWA TMW D9 DC UNV SSC3 X6 DMX EDMX	
	1	Selux	PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS CN21XXX	
	1	Selux	FOR ABOVE 1X SET UP FEE NRE	
	1	Selux	L36DI 1A32 1A32 TW NB NB C 12 WH 120 SS DMX	
	1	Selux	L6DI 1A32 1A32 TW LW LW C 12 WH 120 SS DMX	
	1	Selux	L1DI 1A32 1A32 TW LW LW 12 WH 120 SS WH DMX	ł
	1	Selux	PL9LR 1A32 TW SD C 08 WH 120 DMX SS	
	1	SPI Lighting, Inc.	AIP12042 L42W-T 120/277V TUN DF_STM OAH48" PT01	
	1	SPI Lighting, Inc.	AIP12043 L57W-T 120/277V TUN DF_STM OAH120"	
	1	SPI Lighting, Inc.	AIP12044 L72W-T 120/277V TUN DF_STM OAH120"	
	1	VolksLyte	TANDLED F (LENGTH) (RADIUS) CCT HO W UNI (RGB OR TUNABLE WHITE)	CUSTOM DOWNLIGHT CONTOURS - PROJECT QUOTES ONLY
	1	VolksLyte	TANUDLED PC (LENGTH) (RADIUS) CCT CCT HO W UNI	CUSTOM UPLIGHT & DOWNLIGHT - PROJECT QUOTES ONLY



Submitted By 16500, INC Catalog Number 3G-PDL45RF 11H TW 20 H90 40D UNV DMX WH WI WCN RSW S96

Notes

3G LIGHTING

3G-PDL45RF

4.5" DOWNLIGHT CYLINDER 7" AND 11" HEIGHT DYNAMIC WHITE

4.5" diameter high performance cylinders

Companion to 3G-DL45R series downlight family

Extruded aluminum housing with powder coated finish

Twist and lock construction and no visible hardware

Regressed LED source for enhanced glare control

Dim to Warm and Tunable White LED options up to 2000lm (90+CRI)

1% dimming standard with several integral driver options



3GD 3G

Туре

ORDERING INFORMATION

CAT. NO	FIXTURE HEIGHT	LED SOURCE	LUMEN OUTPUT	CRI		BEAM ANGLE
3G-PDL45RF	7H - 7" HEIGHT* 11H - 11" HEIGHT *7H available in Dim to Warm option only. Available in DIM and LE driver options only.	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE 1 (2700-6500K)	08 - 800 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS CYLINDER FINISH	H90 - 90+ CRI		10D - 10° ⁴ 20D - 20° 40D - 40° 60D - 60° 90D - 90° * * 90D reflector supplied standard with lens
UNV - 120/277V 120 - 120V	LE - F () () () () () () () () () (O-10V (STANDARD 100-1%) PHASE DIMMING ² TRIAC/ELV, 100-1%) UTRON HI-LUME LTEA ² FWD PHASE, 100-1%) 1-10V (eldoLED, 100-0.1%) ¹ OALI (eldoLED, 100-1%) ^{1,3} UTRON HI-LUME LDE1 1% ECOSYSTEM) OMX (eldoLED, 100-0%) ¹	WH - WHITE BK - BLACK SV - SILVER CF - CUSTOM RAL COLOR		WI - WHITE BI - BLACK SI - SILVER CF - CUSTOM RAL COLOR	
CANOPY FINISH	SUSPEN	SION TYPE	SUSPENSION LENGTH		OPTIONS	
WCN - WHITE (STANDA BCN - BLACK SCN - SILVER	BC - E RSW - V RSB - E RSS - S	/HITE CABLE LACK CABLE /HITE RIGID STEM LACK RIGID STEM ILVER RIGID STEM USTOM RAL STEM	C60 - 60" CABLE C120 - 120" CABLE S48 - 48" STEM S96 - 96" STEM	HXB70 - BLACK HEXCELL LS70 - LINEAR SPREAD SB70 - SANDBLASTED LI SF70 - SOFTENING LENS		NEAR SPREAD NDBLASTED LENS
			All suspension options are	field cuttable		with 90D reflector option

- 1 Tunable White option not available in 7" height. Available with D01, DALI and DMX drivers
- 2 Phase dimming options available in 120V only
- 3 DALI-2 (Type 6) provided as standard. Consult factory for DALI Type 8 option
- 4 10° reflector available with 800lm option only

3GD - Warm Dim

3G - Tunable White





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Туре

Notes

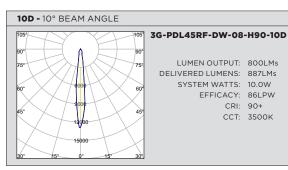
3G-PDL45RF

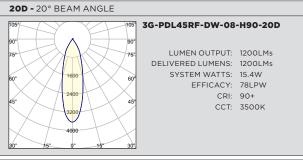
4.5" DOWNLIGHT CYLINDER 7" AND 11" HEIGHT DYNAMIC WHITE

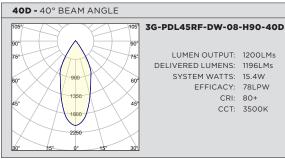
PERFORMANCE CHART BASED ON 20° BEAM ANGLE AND 3500K SOURCE

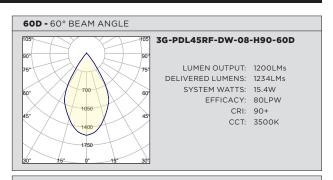
DIM TO WARM	90+ CRI (3000K)					
DIM TO WARM LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)			
800LMs	N/A	N/A	N/A			
1200LMs	1200	15.4	78			
2000LMs	1689	23.2	73			

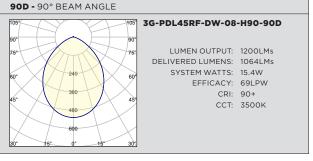
PHOTOMETRY











CRI: 80+ CCT: 3500K



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Catalog Number 3G-PDL45RF 11H TW 20 H90 40D UNV DMX WH WI WCN RSW S96

Туре

Notes

3G LIGHTING

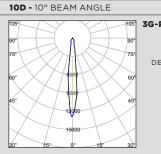
3G-PDL45RF

4.5" DOWNLIGHT CYLINDER 7" AND 11" HEIGHT DYNAMIC WHITE

PERFORMANCE CHART BASED ON 20° BEAM ANGLE AND 3500K SOURCE

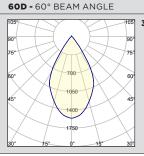
TUNA DI E MULTE	90+ CRI (2700K)			90+ CRI (3500K)			90+ CRI (6500K)		
TUNABLE WHITE LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1143	16.6	69	1180	16.6	71	1284	16.6	77
2000LMs	1622	24.5	66	1694	24.5	69	1807	24.5	74

PHOTOMETRY



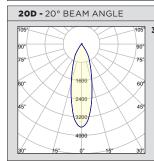
3G-PDL45RF-TW-08-H90-10D

LUMEN OUTPUT: 800LMs
DELIVERED LUMENS: 918LMs
SYSTEM WATTS: 12.6W
EFFICACY: 73LPW
CRI: 90+
CCT: 3500K



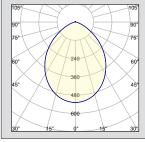
3G-PDL45RF-TW-08-H90-60D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1202LMs
SYSTEM WATTS: 16.6W
EFFICACY: 72LPW
CRI: 90+
CCT: 3500K



3G-PDL45RF-TW-08-H90-20D

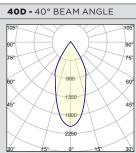
LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1180LMs
SYSTEM WATTS: 16.6W
EFFICACY: 71LPW
CRI: 90+
CCT: 3500K



90D - 90° BEAM ANGLE

3G-PDL45RF-TW-08-H90-90D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1046LMs
SYSTEM WATTS: 16.6W
EFFICACY: 63LPW
CRI: 90+
CCT: 3500K



3G-PDL45RF-TW-08-H90-40D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1152LMs
SYSTEM WATTS: 16.6W
EFFICACY: 69LPW
CRI: 90+
CCT: 3500K



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Notes

3G LIGHTING

3G-PDL45RF

4.5" DOWNLIGHT CYLINDER 7" AND 11" HEIGHT DYNAMIC WHITE

TECHNICAL

HOUSING

Extruded aluminum housing with powder coated finish

Twist and lock construction with no visible hardware

BEVELED INSERT

4.5" aperture with regressed LED source for enhanced glare control

Cast aluminum insert with matte powder coated finish

OPTICS

Proprietary anodized, aluminum reflectors are field replaceable (10° reflector not interchangeable) Available in 10° , 20° , 40° , 60° and 90°

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers.

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

1/2" diameter rigid stem option with sloped ceiling adapter (field cuttable)

Standard, 18-gauge, 5 conductor single circuit braided power feed (black and white finish)

All hardware included for mounting to 4" octagonal junction box

Canopy provided in white finish as standard

LISTING

 ${\sf ETL}\ {\sf listed}\ {\sf and}\ {\sf tested}\ {\sf to}\ {\sf cUL}\ {\sf standards}.\ {\sf Suitable}\ {\sf for}\ {\sf dry}\ {\sf and}\ {\sf damp}\ {\sf locations}$

WARRANTY

5 Year Warranty on LED and drivers

 $\label{thm:material} \textbf{Manufacturer 1 Year Warranty for defects in material and workmanship under normal use}$

Ambient temperature at fixture should not exceed 25°C





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Catalog Number 3G-PDL45RF 11H TW 20 H90 40D UNV DMX WH WI WCN RSW S96 Туре

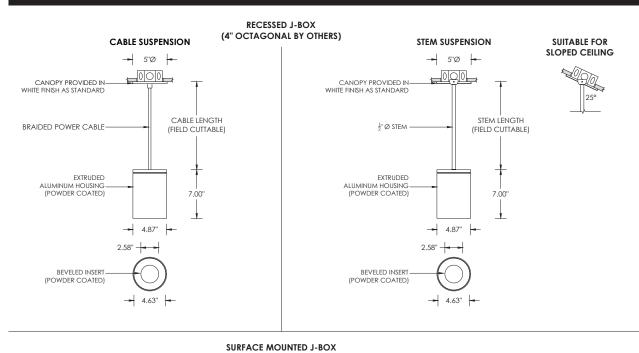
Notes

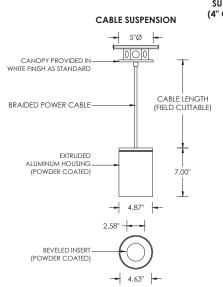
3G

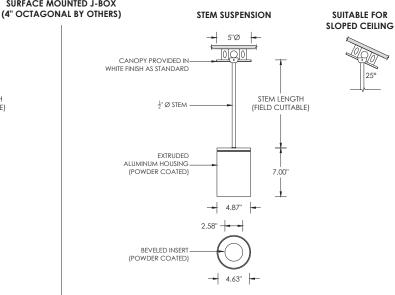
3G-PDL45RF

4.5" DOWNLIGHT CYLINDER 7" AND 11" HEIGHT DYNAMIC WHITE

DRAWINGS AND DIMENSIONS 7" HEIGHT









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Catalog Number 3G-PDL45RF 11H TW 20 H90 40D UNV DMX WH WI WCN RSW S96

Туре

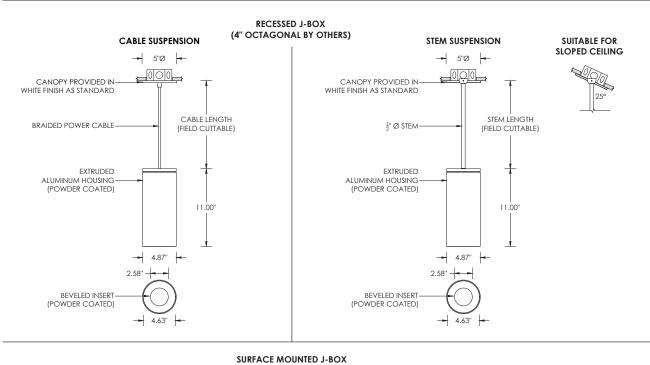
Notes

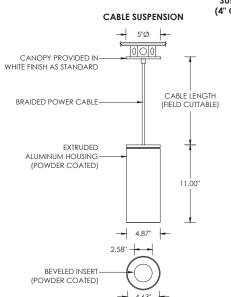
3G LIGHTING

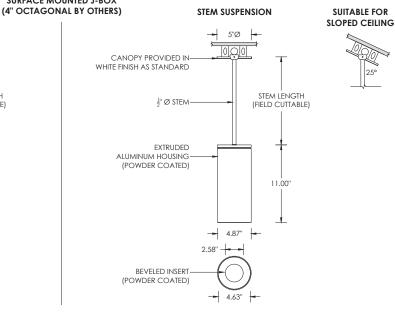
3G-PDL45RF

4.5" DOWNLIGHT CYLINDER 7" AND 11" HEIGHT DYNAMIC WHITE

DRAWINGS AND DIMENSIONS 11" HEIGHT









Submitted By 16500, INC

Catalog Number 3G-DL33RF70 TW 20 H90 40D UNV DMX WT WI IC

Notes



3G-DL33RF70

3.3" ROUND FIXED 70mm **DOWNLIGHT** DYNAMIC WHITE

Small 3.3" deep regress, high performance dynamic white downlight Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) Regressed LED source for enhanced glare control Wet location option available

Shallow housing available along with remodel and other housing options

1% dimming standard with several integral driver options





Туре

ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-DL33RF70	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE ^{1,2} (2700K-6500K)	08 - 800 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	10D - 10° 3 20D - 20° 40D - 40° 60D - 60° 85D - 85° *	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)

DRIVER	FLANGE TYPE	BEVELED INSERT	HOUSING TYPE
DIM - 0-10V (STANDARD 100-1%)	WT - WHITE TRIM	WI - WHITE	RMD - REMODEL (NON-IC)
LE - PHASE DIMMING 4	BT - BLACK TRIM	SI - SILVER	NCF - NEW CONSTRUCTION
(TRIAC/ELV, 100-1%)	ST - SILVER TRIM	BI - BLACK	FRAME (NON-IC)
LTEA - LUTRON HI-LUME LTEA 4 (FWD PHASE, 100-1%)	XTR - TRIMLESS		SH - SHALLOW HOUSING (IC RATED & CP RATED)
D01 - 0-10V (100-0.1%) ¹	MWF - FLANGELESS (MILLWORK)		NC - NEW CONSTRUCTION
DALI - DALI (100-1%) 1			HOUSING (CP RATED)
DHL2 - LUTRON HI LUME LDE1 (1% ECOSYSTEM)			IC - NEW CONSTRUCTION IC HOUSING
DMX - DMX (100-0%) 1			

OPTIONS

SF70 - SOFTENING LENS

LS70 - LINEAR SPREAD LENS

SB70 - SANDBLASTED LENS

WL - WET LOCATION (SOFTENING LENS)

- CHICAGO PLENUM 7 CP

- AIRTIGHT HOUSING 8 AT

BH - C-CHANNEL BAR HANGERS

EMR - EMERGENCY BATTERY (REMOTE)

Maximum 1 optical accessory

1 Tunable White option available with D01, DALI and DMX drivers

2 Tunable White option not available with Remodel and New Construction Frame Housing

3 10D reflector available with 800 lumen output only

4 Phase dimming options available in 120V only

5 MWF not available with Remodel (NON-IC)

6 Wet location option provided standard with sealed softening lens. Not available with trimless option

7 Chicago Plenum option available with Shallow Housing and New Construction Housing

8 Airtight Housing option available with Shallow Housing only

9 Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim

3GT - Tunable White





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Catalog Number 3G-DL33RF70 TW 20 H90 40D UNV DMX WT WI IC

Туре

Notes

3G

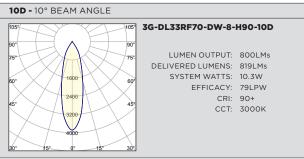
3G-DL33RF70

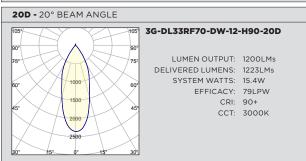
3.3" ROUND FIXED 70mm DOWNLIGHT DYNAMIC WHITE

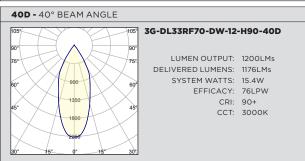
PERFORMANCE CHART BASED ON 20° BEAM AND 3000K SOURCE

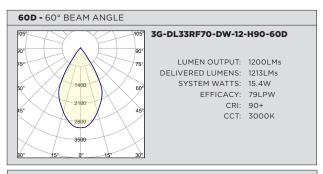
DIM TO WARM	90+ CRI (3000K)					
DIM TO WARM LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)			
800LMs	N/A	N/A	N/A			
1200LMs	1223	15.4	79			
2000LMs	1721	23.2	74			

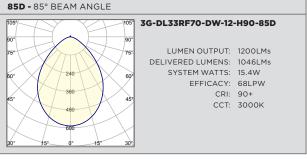
PHOTOMETRY













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Туре

Notes

3G

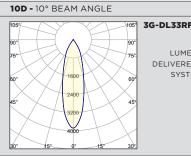
3G-DL33RF70

3.3" ROUND FIXED 70mm DOWNLIGHT DYNAMIC WHITE

PERFORMANCE CHART BASED ON 20° BEAM AND 3500K ANGLE

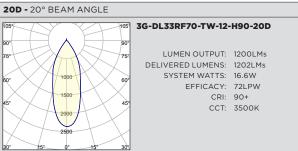
TUNADI E WILITE	90+ CRI (2700K)			90+ CRI (3500K)			90+ CRI (6500K)		
TUNABLE WHITE LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LM/W)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1164	16.6	70	1202	16.6	72	1308	16.6	79
2000LMs	1653	24.5	67	1726	24.5	70	1842	24.5	75

PHOTOMETRY



3G-DL33RF70-TW-8-H90-10D

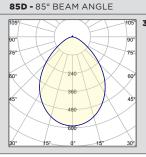
LUMEN OUTPUT: 800LMs
DELIVERED LUMENS: 847LMs
SYSTEM WATTS: 12.6W
EFFICACY: 67LPW
CRI: 90+
CCT: 3500K



60D - 60° BEAM ANGLE | 105° | 3G-DL33 | | 105° | 90° | | 75° | 105° | | 105° | 90° | | 75° | 105° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 90° | | 105° | 9

3G-DL33RF70-TW-12-H90-60D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1181LMs
SYSTEM WATTS: 16.6W
EFFICACY: 71LPW
CRI: 90+
CCT: 3500K



3G-DL33RF70-TW-12-H90-85D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1028LMs
SYSTEM WATTS: 16.6W
EFFICACY: 62LPW
CRI: 90+
CCT: 3500K





Submitted By 16500, INC Catalog Number 3G-DL33RF70 TW 20 H90 40D UNV DMX WT WI IC Туре

Notes

3G LIGHTING

3G-DL33RF70

3.3" ROUND FIXED 70mm DOWNLIGHT DYNAMIC WHITE

TECHNICAL

HOUSING

Remodel, new construction frame, shallow housing, and IC housing options available

Maximum ceiling thickness of 1" (1.5" for Millwork Flangeless and Remodel options). Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housing rated for #12 AWG (4 in, 4 out), 90°C conductors and through branch wiring

BEVELED INSERT

Cast aluminum beveled insert with matte powder coated finish

3.3" aperture with regressed LED source for enhanced glare control

TRIM

Machined aluminum trim flange with matte powder coated finish and minimal 0.375" overlap

TRIMLESS

Mudding flange features a perforated surface for easy mud-in application

Integral blocking support provided to ensure fixture is properly secured within ceiling structure

OPTICS

Regressed LED source for enhanced glare control

Proprietary anodized, aluminum reflectors are field replaceable (10° reflector not interchangeable)

Available in 10°, 20°, 40°, 60°, and 85°

Wet location option supplied standard with sealed softening lens

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic, and other architectural ceilings

Trimless fixture designed for use in drywall, mud-in ceiling applications

Recommended ceiling cut-out for Millwork Flangeless option (3.525" diameter for ceilings up to 1"). Contact 3G for thicker ceilings

Recommended ceiling cut-out for all other housing options (3 13/16" diameter)

New construction frame and IC rated shallow housings ship with bar hangers (14" to 26" extension)

Standard new construction and IC housings available with optional c-channel bar hangers

LISTING

 ${\it ETL\ listed\ and\ tested\ to\ cUL\ standards}.\ Suitable\ for\ dry\ and\ damp\ locations$

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Project 21-12877-4 Date 6/24/2021

Catalog Number

Туре 3G-DL33RF70 TW 20 H90 40D UNV DMX WT WI IC Tunable White | Color Tuning Submitted By Notes 16500, INC

3G-DL33RF70

3.3" ROUND FIXED 70mm DOWNLIGHT DYNAMIC WHITE

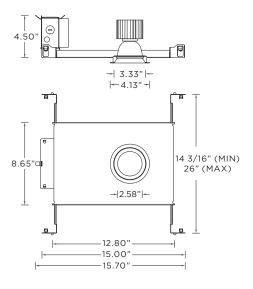
TRIM HOUSING OPTIONS

RMD - Remodel (Non-IC)

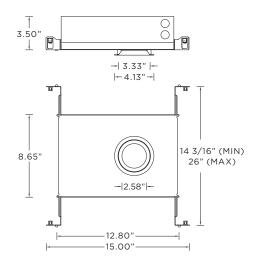




NCF - New Construction Frame (Non-IC)

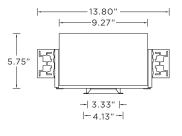


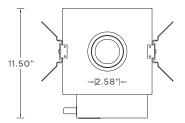
SH - Shallow Housing (IC and Chicago Plenum Rated)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing









Submitted By 16500, INC

Catalog Number 3G-DL33RF70 TW 20 H90 40D UNV DMX WT WI IC

Туре

Notes

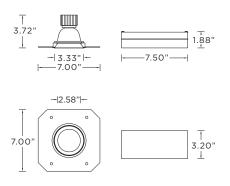
3G LIGHTING

3G-DL33RF70

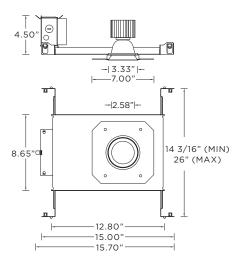
3.3" ROUND FIXED 70mm DOWNLIGHT DYNAMIC WHITE

TRIMLESS HOUSING OPTIONS

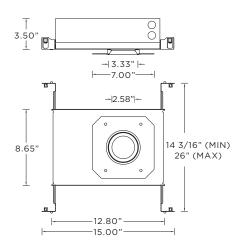
RMD - Remodel (Non-IC)



NCF - New Construction Frame (Non-IC)

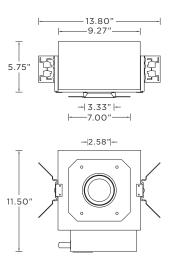


SH - Shallow Housing (IC and Chicago Plenum Rated)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing







Submitted By 16500, INC Catalog Number 3G-DL33RF70 TW 20 H90 40D UNV DMX WT WI IC

Туре

Notes

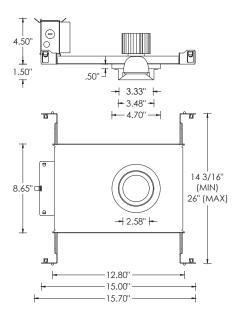
3G LIGHTING

3G-DL33RF70

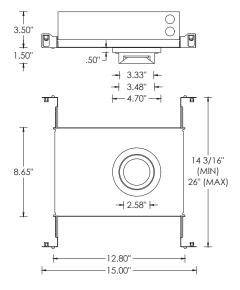
3.3" ROUND FIXED 70mm DOWNLIGHT DYNAMIC WHITE

FLANGELESS MILLWORK OPTIONS

NCF - New Construction Frame (Non-IC)

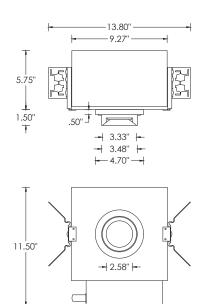


SH - Shallow Housing (IC and Chicago Plenum Rated) (2200lm max)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing (2200lm max)





Submitted By 16500, INC Catalog Number

Notes

3G-DL33RA TW 20 H90 40D UNV DMX WT WI IC

LIGHTING

3G-DL33RA

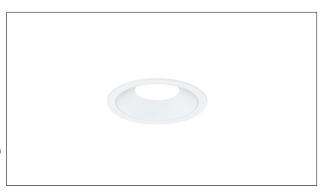
3.3" ROUND ADJUSTABLE **DOWNLIGHT** DYNAMIC WHITE

Small 3.3" round, adjustable high performance dynamic white downlight Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) Regressed LED source for enhanced glare control

Proprietary hot aiming mechanism with sliding center beam optimization 0° - 40° lockable tilt and 362° lockable rotation

Shallow housing available along with remodel and other housing options

1% dimming standard with several integral driver options







Туре

ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-DL33RA	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE ^{1,2} (2700K-6500K)	08 - 800 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	20D - 20° ³ 40D - 40° 60D - 60°	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)

DRIVER	FLANGE TYPE	BEVELED INSERT	HOUSING TYPE
DIM - 0-10V (STANDARD 100-1%) LE - PHASE DIMMING 4 (TRIAC/ELV, 100-1%)	WT - WHITE TRIM BT - BLACK TRIM ST - SILVER TRIM	WI - WHITE SI - SILVER BI - BLACK	RMD - REMODEL (NON-IC) NCF - NEW CONSTRUCTION FRAME (NON-IC)
LTEA - LUTRON HI-LUME LTEA 4 (FWD PHASE, 100-1%) D01 - 0-10V (100-0.1%) 1 DALI - DALI (100-0.1%) 1	XTR - TRIMLESS MWF - FLANGELESS (MILLWORK) 5	3. 33. G.	SH - SHALLOW HOUSING (IC RATED & CP RATED) NC - NEW CONSTRUCTION HOUSING (CP RATED)
DHL2 - LUTRON HI LUME LDE1 (1% ECOSYSTEM) DMX - DMX (100-0.1%) 1			• NEW CONSTRUCTION IC HOUSING

OPTIONS

SF60 - SOFTENING LENS (SUPPLIED STANDARD)

LS60 - LINEAR SPREAD LENS

SB60 - SANDBLASTED LENS

- CHICAGO PLENUM 6 CP

- AIRTIGHT HOUSING 7 ΑT

- C-CHANNEL BAR HANGERS

EMR - EMERGENCY BATTERY (REMOTE) 8

Maximum 1 optical accessory

1 Tunable White option available with D01, DALI and DMX drivers

2 Tunable White option not available with Remodel and New Construction Frame Housing

3 20D reflector available with 800 lumen output only

4 Phase dimming options available in 120V only 5 MWF not available with Remodel (NON-IC)

6 Chicago Plenum option available with Shallow Housing and New Construction Housing

7 Airtight Housing option available with Shallow Housing only

8 Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim

3G - Tunable White





Submitted By 16500, INC Catalog Number 3G-DL33RA TW 20 H90 40D UNV DMX WT WI IC

Туре

Notes

3G

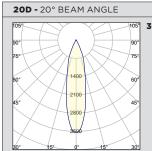
3G-DL33RA

3.3" ROUND ADJUSTABLE DOWNLIGHT DYNAMIC WHITE

PERFORMANCE CHART BASED ON 60° BEAM AND 3000K SOURCE

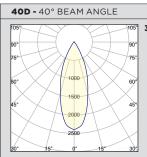
DIM TO WARM	90+ CRI (3000K)						
DIM TO WARM LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)				
800LMs	N/A	N/A	N/A				
1200LMs	1020	15.4	66				
2000LMs	1431	23.2	62				

PHOTOMETRY



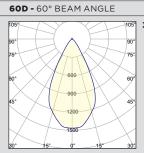
3G-DL33RA-DW-08-H90-20D

LUMEN OUTPUT: 800LMs
DELIVERED LUMENS: 687LMs
SYSTEM WATTS: 10.3W
EFFICACY: 67LPW
CRI: 90+
CCT: 3000K



3G-DL33RA-DW-12-H90-40D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1038LMs
SYSTEM WATTS: 15.4W
EFFICACY: 67LPW
CRI: 90+
CCT: 3000K



3G-DL33RA-DW-12-H90-60D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1020LMs
SYSTEM WATTS: 15.4W
EFFICACY: 66LPW
CRI: 90+
CCT: 3000K



Submitted By 16500, INC Catalog Number 3G-DL33RA TW 20 H90 40D UNV DMX WT WI IC

Туре

Notes

3G LIGHTING

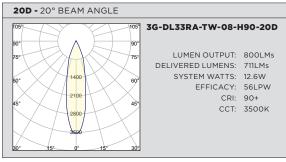
3G-DL33RA

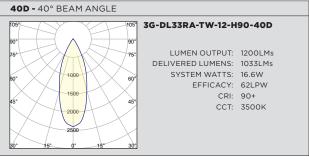
3.3" ROUND ADJUSTABLE DOWNLIGHT DYNAMIC WHITE

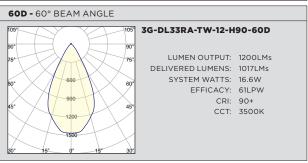
PERFORMANCE CHART BASED ON 60° BEAM ANGLE

LOMEN COTPOT	90+ CRI (2700K)			90+ CRI (3500K)			90+ CRI (6500K)		
	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	949	16.6	57	1017	16.6	61	1120	16.6	67
2000LMs	1367	24.5	56	1394	24.5	57	1632	24.5	67

PHOTOMETRY









Submitted By

Catalog Number

Notes

3G-DL33RA TW 20 H90 40D UNV DMX WT WI IC

Туре



3G-DL33RA

3.3" ROUND ADJUSTABLE DOWNLIGHT DYNAMIC WHITE

TECHNICAL

HOUSING

Remodel, new construction frame, shallow housing, and IC housing options available

Maximum ceiling thickness of 1" (1.5" for Millwork Flangeless and Remodel options). Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housing rated for #12 AWG (4 in, 4 out), 90°C conductors and through branch wiring

BEVELED INSERT

Cast aluminum beveled insert with matte powder coated finish

3.3" aperture with regressed LED source for enhanced glare control

TRIM

Machined aluminum trim flange with matte powder coated finish and minimal 0.375" overlap

Mudding flange features a perforated surface for easy mud-in application

Integral blocking support provided to ensure fixture is properly secured within ceiling structure

OPTICS

Regressed LED source for enhanced glare control

Proprietary anodized, aluminum reflectors are field replaceable (20° reflector not interchangeable)

Available in 20°, 40°, 60°

All models provided standard with softening lens

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic, and other architectural ceilings

Trimless fixture designed for use in drywall, mud-in ceiling applications

Recommended ceiling cut-out for Millwork Flangeless option (3.525" diameter for ceilings up to 1"). Contact 3G for thicker ceilings

Recommended ceiling cut-out for all other housing options (3 13/16" diameter)

New construction frame and IC rated shallow housings ship with bar hangers (14" to 26" extension)

Standard new construction and IC housings available with optional c-channel bar hangers

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-DL33RA TW 20 H90 40D UNV DMX WT WI IC

Notes

Туре

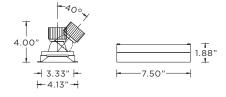
3G LIGHTING

3G-DL33RA

3.3" ROUND ADJUSTABLE DOWNLIGHT DYNAMIC WHITE

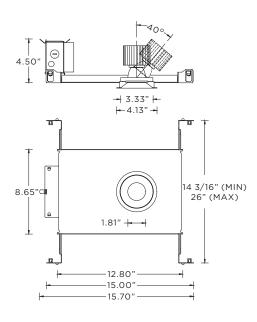
TRIM HOUSING OPTIONS

RMD - Remodel (Non-IC)

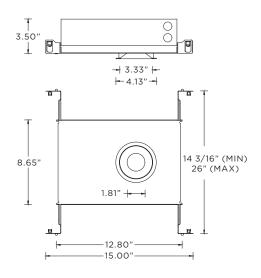




NCF - New Construction Frame (Non-IC)

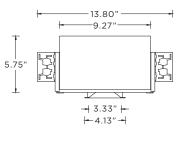


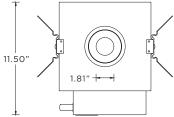
SH - Shallow Housing (IC and Chicago Plenum Rated)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing









Submitted By 16500, INC

Catalog Number 3G-DL33RA TW 20 H90 40D UNV DMX WT WI IC

Notes

J

Туре

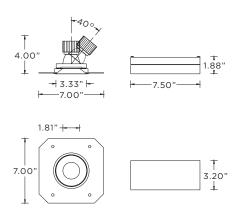
3C

3G-DL33RA

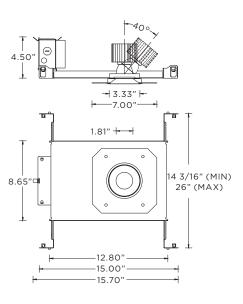
3.3" ROUND ADJUSTABLE DOWNLIGHT DYNAMIC WHITE

TRIMLESS HOUSING OPTIONS

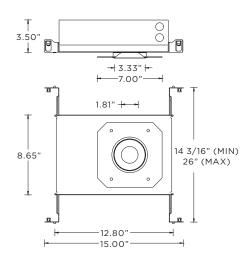
RMD - Remodel (Non-IC)



NCF - New Construction Frame (Non-IC)

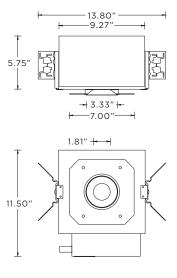


SH - Shallow Housing (IC and Chicago Plenum Rated)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing







Submitted By 16500, INC Catalog Number 3G-DL33RA TW 20 H90 40D UNV DMX WT WI IC

Notes

Туре

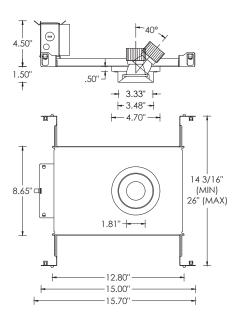
3C LIGHTING

3G-DL33RA

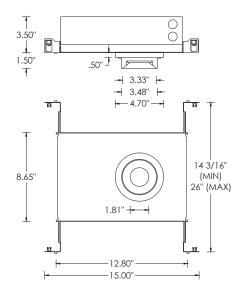
3.3" ROUND ADJUSTABLE DOWNLIGHT DYNAMIC WHITE

FRANGELESS MILLWORK OPTIONS

NCF - New Construction Frame (Non-IC)

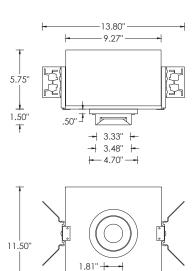


SH - Shallow Housing (IC and Chicago Plenum Rated) (2200lm max)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing (2200lm max)







Submitted By 16500, INC Catalog Number

3G-DL40SA TW 20 H90 40D UNV DMX WT WI IC

Notes

3G-DL40SA

4.0" SQUARE ADJUSTABLE DOWNLIGHT DYNAMIC WHITE

4.0" square, adjustable high performance downlight

Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI)

Regressed LED source for enhanced glare control

Proprietary hot aiming mechanism with sliding center beam optimization

0° - 40° lockable tilt and 362° lockable rotation

Remodel housing available along with other housing options

1% dimming standard with several integral driver options







Туре

ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-DL40SA	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE ^{1,2} (2700K-6500K)	08 - 800 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	20D - 20° ³ 40D - 40° 60D - 60°	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)

DRIVER	FLANGE TYPE	BEVELED INSERT	HOUSING TYPE
DIM - 0-10V (STANDARD 100-1%)	WT - WHITE TRIM	WI - WHITE	RMD - REMODEL (NON-IC)
LE - PHASE DIMMING 4 (TRIAC/ELV, 100-1%)	ST - SILVER TRIM	SI - SILVER	NCF - NEW CONSTRUCTION FRAME (NON-IC)
LTEA - LUTRON HI-LUME LTEA 4 (FWD PHASE, 100-1%) D01 - 0-10V (100-0.1%) 1	ST - BLACK TRIM XTR - TRIMLESS	BI - BLACK	NC - NEW CONSTRUCTION HOUSING (CP RATED) IC - NEW CONSTRUCTION
DALI - DALI (100-0.1%) 1 DHL2 - LUTRON HI LUME LDE1 (1% ECOSYSTEM)			IC HOUSING
DMX - DMX (100-0.1%) 1			

SF70 - SOFTENING LENS (SUPPLIED STANDARD)

LS70 - LINEAR SPREAD LENS

SB70 - SANDBLASTED LENS

- CHICAGO PLENUM 5

BH - C-CHANNEL BAR HANGERS

EMR - EMERGENCY BATTERY (REMOTE) 6

Maximum 1 optical accessory

1 Tunable White option available with D01, DALI and DMX drivers

2 Tunable White option not available with Remodel and New Construction Frame Housing

3 20D reflector available with 800 lumen output onlys

4 Phase dimming options available in 120V only

5 Chicago Plenum option available with New Construction Housing

6 Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim

3G - Tunable White





Submitted By 16500, INC Catalog Number 3G-DL40SA TW 20 H90 40D UNV DMX WT WI IC

Туре

Notes

3G

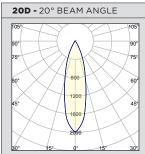
3G-DL40SA

4.0" SQUARE ADJUSTABLE DOWNLIGHT DYNAMIC WHITE

PERFORMANCE CHART BASED ON 60° BEAM AND 3000K SOURCE WITH SOFTENING LENS

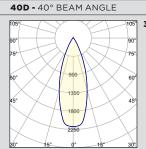
DIM TO WARM	90+ CRI (3000K)						
DIM TO WARM LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)				
800LMs	N/A	N/A	N/A				
1200LMs	875	15.4	57				
2000LMs	1228	23.2	53				

PHOTOMETRY



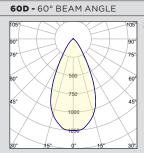
3G-DL40SA-DW-08-H90-20D

LUMEN OUTPUT: 800LMs
DELIVERED LUMENS: 603LMs
SYSTEM WATTS: 10.3W
EFFICACY: 59LPW
CRI: 90+
CCT: 3000K



105 3G-DL40SA-DW-12-H90-40D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 889LMs
SYSTEM WATTS: 15.4W
EFFICACY: 58LPW
CRI: 90+
CCT: 3000K



3G-DL40SA-DW-12-H90-60D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 875LMs
SYSTEM WATTS: 15.4W
EFFICACY: 57LPW
CRI: 90+
CCT: 3000K



Submitted By 16500, INC Catalog Number 3G-DL40SA TW 20 H90 40D UNV DMX WT WI IC

Туре

Notes

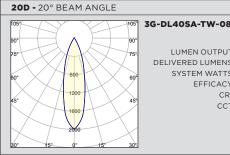
3G-DL40SA

4.0" SQUARE ADJUSTABLE DOWNLIGHT DYNAMIC WHITE

PERFORMANCE CHART BASED ON 60° BEAM ANGLE WITH SOFTENING LENS

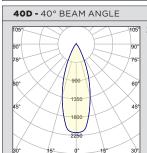
TUNADIEWUTE	90	0+ CRI (2700)	K)	90+ CRI (3500K)			90+ CRI (6500K)		
LOMEN COTPOT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	805	16.6	49	864	16.6	52	951	16.6	57
2000LMs	1160	24.5	47	1184	24.5	48	1385	24.5	57

PHOTOMETRY



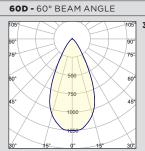
3G-DL40SA-TW-08-H90-20D

LUMEN OUTPUT: 800LMs DELIVERED LUMENS: 624LMs SYSTEM WATTS: 12.6W EFFICACY: 50LPW CRI: 90+ CCT: 3500K



3G-DL40SA-TW-12-H90-40D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 885LMs SYSTEM WATTS: 16.6W EFFICACY: 53LPW CRI: 90+ CCT: 3500K



3G-DL40SA-TW-12-H90-60D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 864LMs SYSTEM WATTS: 16.6W EFFICACY: 52LPW CRI: 90+ CCT: 3500K



Submitted By

Catalog Number

3G-DL40SA TW 20 H90 40D UNV DMX WT WI IC

Туре

Notes

3G-DL40SA

4.0" SQUARE ADJUSTABLE DOWNLIGHT DYNAMIC WHITE

TECHNICAL

HOUSING

Remodel, new construction frame, shallow housing, and IC housing options available

Maximum ceiling thickness of 1" (1.5" for Remodel housing). Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housing rated for #12 AWG (4 in, 4 out), 90°C conductors and through branch wiring

BEVELED INSERT

Cast aluminum beveled insert with matte powder coated finish

4.0" aperture with regressed LED source for enhanced glare control

TRIM

Cast aluminum trim flange with matte powder coated finish and minimal 0.375" overlap

TRIMLESS

Cast aluminum mudding flange features a grooved surface for easy mud-in application Integral blocking support provided to ensure fixture is properly secured within ceiling structure

ADJUSTABILITY

Proprietary hot aiming mechanism with sliding center beam optimization

0° - 40° lockable tilt and 362° lockable rotation with Phillips screwdriver

Regressed LED source for enhanced glare control

Proprietary anodized, aluminum reflectors are field replaceable (20° reflector not interchangeable)

Available in 20°, 40°, 60°

All models provided standard with softening lens

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic, and other architectural ceilings

Trimless fixture designed for use in drywall, mud-in ceiling applications

Recommended ceiling cut-outs. Trim version (4 11/16" x 4 11/16"). Trimless version (5 1/16" x 5 1/16")

New construction frame ships with bar hangers (14" to 26" extension)

Standard new construction and IC housings available with optional c-channel bar hangers

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC

Catalog Number 3G-DL40SA TW 20 H90 40D UNV DMX WT WI IC Туре

Notes

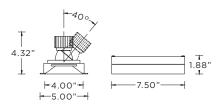
3G LIGHTING

3G-DL40SA

4.0" SQUARE ADJUSTABLE DOWNLIGHT DYNAMIC WHITE

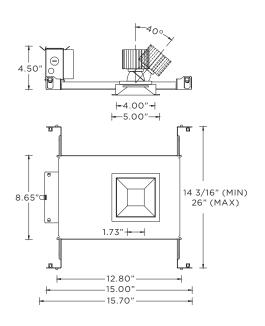
TRIM HOUSING OPTIONS

RMD - Remodel (Non-IC)



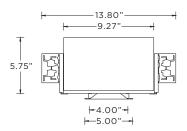


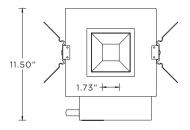
NCF - New Construction Frame (Non-IC)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing







Submitted By 16500, INC

Catalog Number 3G-DL40SA TW 20 H90 40D UNV DMX WT WI IC

Notes

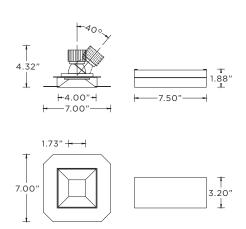
3G LIGHTING

3G-DL40SA

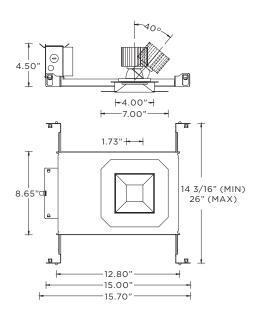
4.0" SQUARE ADJUSTABLE DOWNLIGHT DYNAMIC WHITE

TRIMLESS HOUSING OPTIONS

RMD - Remodel (Non-IC)



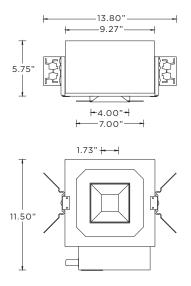
NCF - New Construction Frame (Non-IC)



Туре

NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing





Submitted By 16500, INC Catalog Number

3G-DL33RWW TW 20 H90 WW UNV DMX WT WI IC

Notes

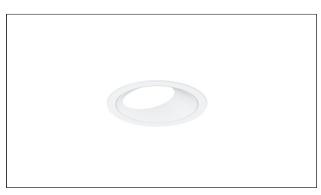


3G-DL33RWW

3.3" ROUND WALL WASH DOWNLIGHT DYNAMIC WHITE

Small 3.3" round, high performance dynamic white wall wash downlight Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) Regressed LED source for enhanced glare control Proprietary wall wash optic and lens
Shallow housing available along with remodel and other housing options

1% dimming standard with several integral driver options





Туре

ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANG	LE	VOLTAGE
3G-DL33RWW	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE ^{1,2} (2700K-6500K)	12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	WW - WAL	L WASH	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)
DRIVER	FLANGE 1	ГҮРЕ	BEVELED INSERT		HOUSING 1	ГҮРЕ
DIM - 0-10V (STANDAR	RD 100-1%) WT - W	HITE TRIM	WI - WHITE		RMD - REM	10DEL (NON-IC)
- PHASE DIMMIN (TRIAC/ELV, 100-	1%) ST - SIL	ACK TRIM LVER TRIM	SI - SILVER BI - BLACK		FRA	V CONSTRUCTION AME (NON-IC) ALLOW HOUSING
(FWD PHASE, 100 D01 - 0-10V (100-0.1%)	MWF - FL	ANGELESS (MILLWORK)			NC - NEV	RATED & CP RATED) V CONSTRUCTION JSING (CP RATED)
DALI - DALI (100-0.1%) DHL2 - LUTRON HI LUN (1% ECOSYSTEI DMX - DMX (100-0.1%)	ME LDE1 M)				IC - NEV	W CONSTRUCTION HOUSING

OPTIONS

CP	- CHICAGO PLENUM	

AT - AIRTIGHT HOUSING 6

BH - C-CHANNEL BAR HANGERS

EMR - EMERGENCY BATTERY (REMOTE) 7

5

1 Tunable White option available with D01, DALI and DMX drivers

 ${\bf 2} \ \ {\bf Tunable White option \ not \ available \ with \ {\bf Remodel \ and \ New \ Construction \ Frame \ Housing}$

3 Phase dimming options available in 120V only

4 MWF not available with Remodel (NON-IC)

 ${\bf 5} \ \ {\it Chicago Plenum option available with Shallow Housing and New Construction Housing}$

6 Airtight Housing option available with Shallow Housing only

7 Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim **3G**T - Tunable White





Submitted By 16500, INC Catalog Number 3G-DL33RWW TW 20 H90 WW UNV DMX WT WI IC

Notes

Туре

3G LIGHTING

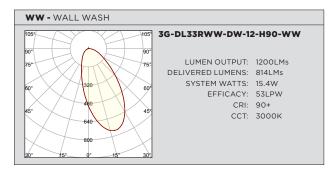
3G-DL33RWW

3.3" ROUND WALL WASH DOWNLIGHT DYNAMIC WHITE

PERFORMANCE CHART BASED ON WALL WASH OPTIC AND 3000K SOURCE

DIM TO WARM	90+ CRI (3000K)						
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)				
1200LMs	814	15.4	53				
2000LMs	1143	23.2	49				

PHOTOMETRY





Submitted By 16500, INC Catalog Number 3G-DL33RWW TW 20 H90 WW UNV DMX WT WI IC Туре

Notes

3G

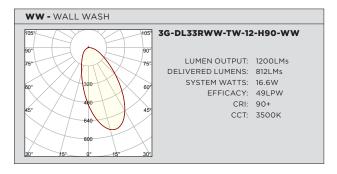
3G-DL33RWW

3.3" ROUND WALL WASH DOWNLIGHT DYNAMIC WHITE

PERFORMANCE CHART BASED ON WALL WASH OPTIC

TUNADI E WUITE	90+ CRI (2700K)		90+ CRI (3500K)			90+ CRI (6500K)			
TUNABLE WHITE LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LM/W)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
1200LMs	757	16.6	46	812	16.6	49	894	16.6	54
2000LMs	1091	24.5	45	1113	24.5	45	1303	24.5	53

PHOTOMETRY





Submitted By

Catalog Number 3G-DL33RWW TW 20 H90 WW UNV DMX WT WI IC

Туре

Notes

3G

3G-DL33RWW

3.3" ROUND WALL WASH DOWNLIGHT DYNAMIC WHITE

TECHNICAL

HOUSING

Remodel, new construction frame, shallow housing, and IC housing options available

Maximum ceiling thickness of 1" (1.5" for Millwork Flangeless and Remodel options). Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housing rated for #12 AWG (4 in, 4 out), 90°C conductors and through branch wiring

BEVELED INSERT

Cast aluminum beveled insert with matte powder coated finish

3.3" aperture with regressed LED source for enhanced glare control

TRIM

Machined aluminum trim flange with matte powder coated finish and minimal 0.375" overlap

TRIMLESS

Mudding flange features a perforated surface for easy mud-in application

Integral blocking support provided to ensure fixture is properly secured within ceiling structure

OPTICS

Regressed LED source for enhanced glare control

Proprietary wall wash optic

Asymmetrical lens provides uniformity and smooth illumination across and down the wall

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

 $eldoLED\ DALI\ and\ Lutron\ EcoSystem\ driver\ options\ available\ with\ 100-1\%\ dimming\ range$

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic, and other architectural ceilings

Trimless fixture designed for use in drywall, mud-in ceiling applications

Recommended ceiling cut-out for Millwork Flangeless option (3.525" diameter for ceilings up to 1"). Contact 3G for thicker ceilings

Recommended ceiling cut-out for all other housing options (3 13/16" diameter)

New construction frame and IC rated shallow housings ship with bar hangers (14" to 26" extension)

Standard new construction and IC housings available with optional c-channel bar hangers

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC

Catalog Number 3G-DL33RWW TW 20 H90 WW UNV DMX WT WI IC

Туре

Notes

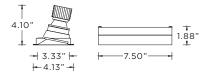
3G LIGHTING

3G-DL33RWW

3.3" ROUND WALL WASH DOWNLIGHT DYNAMIC WHITE

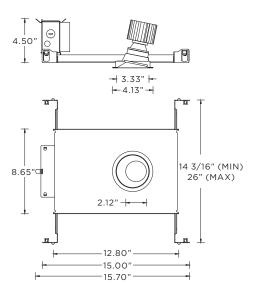
TRIM HOUSING OPTIONS

RMD - Remodel (Non-IC)

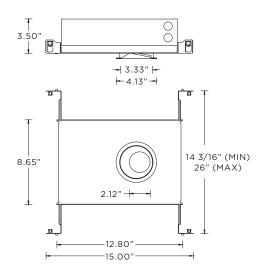




NCF - New Construction Frame (Non-IC)

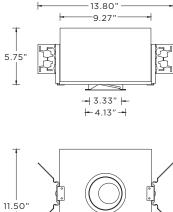


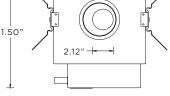
SH - Shallow Housing (IC and Chicago Plenum Rated)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing









Submitted By 16500, INC

Catalog Number 3G-DL33RWW TW 20 H90 WW UNV DMX WT WI IC

Туре

Notes

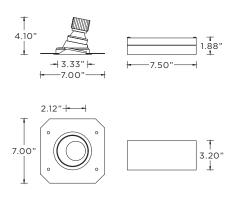
3G

3G-DL33RWW

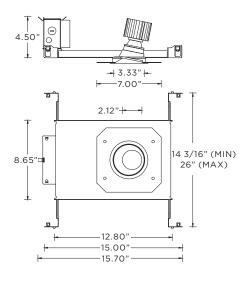
3.3" ROUND WALL WASH DOWNLIGHT DYNAMIC WHITE

TRIMLESS HOUSING OPTIONS

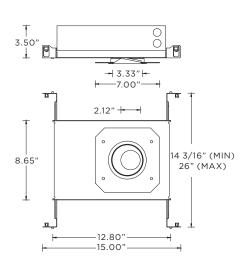
RMD - Remodel (Non-IC)

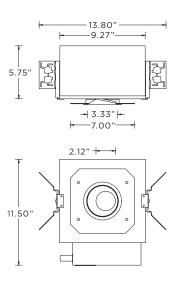


NCF - New Construction Frame (Non-IC)



SH - Shallow Housing (IC and Chicago Plenum Rated)









Catalog Number

3G-DL33RWW TW 20 H90 WW UNV DMX WT WI IC

Туре

Notes

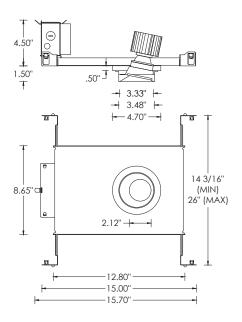
3C

3G-DL33RWW

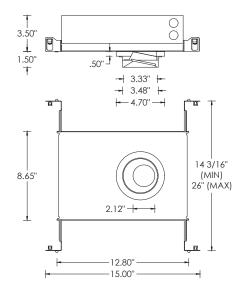
3.3" ROUND WALL WASH DOWNLIGHT DYNAMIC WHITE

FLANGELESS MILLWORK OPTIONS

NCF - New Construction Frame (Non-IC)

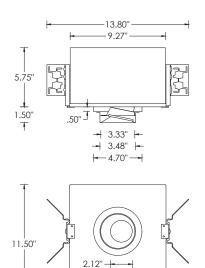


SH - Shallow Housing (IC and Chicago Plenum Rated) (2200lm max)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing (2200lm max)





Submitted By 16500, INC Catalog Number

3G-DL40SWW TW 20 H90 WW UNV DMX WT WI IC

Notes

CAT. NO

3G-DL40SWW

4.0" SQUARE WALL WASH **DOWNLIGHT** DYNAMIC WHITE

4.0" square, high performance downlight Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) Regressed LED source for enhanced glare control Proprietary wall wash optic and lens Remodel housing available along with other housing options 1% dimming standard with several integral driver options

LED SOURCE



BEAM ANGLE



VOLTAGE



Туре

ORDERING INFORMATION

CAI. NO	LED SOURCE	LOMEN COTPOT	CKI	BEAM AND	LE	VOLIAGE
3G-DL40SWW	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE ^{1,2} (2700K-6500K)	12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	WW - WAL	L WASH	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)
DRIVER	FLANGE T	YPE	BEVELED INSERT		HOUSING 1	ГҮРЕ
DIM - 0-10V (STANDAR LE - PHASE DIMMING (TRIAC/ELV, 100-1) LTEA - LUTRON HI-LUN (FWD PHASE, 100 DO1 - 0-10V (100-0.1%) DALI - DALI (100-0.1%) DHL2 - LUTRON HI LUM (1% ECOSYSTEN DMX - DMX (100-0.1%) 1	G 3 ST - SILV BT - BLA XTR - TRIII	/ER TRIM ACK TRIM			V CONSTRUCTION ME (NON-IC) V CONSTRUCTION USING (CP RATED) V CONSTRUCTION	
OPTIONS						
CP - CHICAGO PLEN BH - C-CHANNEL B, EMR - EMERGENCY B	AR HANGERS					

LUMEN OUTPUT CRI

- 1 Tunable White option available with D01, DALI and DMX drivers
- ${\bf 2} \ \ {\bf Tunable \ White \ option \ not \ available \ with \ Remodel \ and \ New \ Construction \ Frame \ Housing}$
- 3 Phase dimming options available in 120V only
- 4 Chicago Plenum option available with New Construction Housing
- ${\bf 5} \ \ {\sf Emergency \ battery \ installed \ remotely \ by \ others. \ Not \ accessible \ through \ the \ inside \ of \ the \ fixture}$

3GD - Warm Dim

3G - Tunable White





Submitted By 16500, INC Catalog Number 3G-DL40SWW TW 20 H90 WW UNV DMX WT WI IC

Туре

Notes

3G LIGHTING

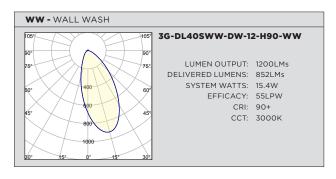
3G-DL40SWW

4.0" SQUARE WALL WASH DOWNLIGHT DYNAMIC WHITE

PERFORMANCE CHART BASED ON WALL WASH OPTIC AND 3000K SOURCE WITH SOFTENING LENS

DIM TO WARM	90	90+ CRI (3000K)					
DIM TO WARM LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)				
1200LMs	744	15.4	48				
2000LMs	1044	23.2	45				

PHOTOMETRY







Submitted By 16500, INC Catalog Number

3G-DL40SWW TW 20 H90 WW UNV DMX WT WI IC

Туре

Notes

3G LIGHTING

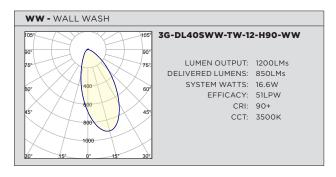
3G-DL40SWW

4.0" SQUARE WALL WASH DOWNLIGHT DYNAMIC WHITE

PERFORMANCE CHART BASED ON WALL WASH OPTIC WITH SOFTENING LENS

	TUNIA DI E MULTE	9	90+ CRI (2700K)			90+ CRI (3500K)			90+ CRI (6500K)		
	TUNABLE WHITE LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	
Ī	1200LMs	692	16.6	42	742	16.6	45	817	16.6	49	
	2000LMs	997	24.5	41	1017	24.5	42	1190	24.5	49	

PHOTOMETRY





Submitted By 16500, INC Catalog Number 3G-DL40SWW TW 20 H90 WW UNV DMX WT WI IC Туре

Notes

3G LIGHTING

3G-DL40SWW

4.0" SQUARE WALL WASH DOWNLIGHT DYNAMIC WHITE

TECHNICAL

HOUSING

Remodel, new construction frame, shallow housing, and IC housing options available

Maximum ceiling thickness of 1" (1.5" for Remodel housing). Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housing rated for #12 AWG (4 in, 4 out), 90°C conductors and through branch wiring

BEVELED INSERT

Cast aluminum beveled insert with matte powder coated finish

4.0" aperture with regressed LED source for enhanced glare control

TRIM

Cast aluminum trim flange with matte powder coated finish and minimal 0.375" overlap

TRIMLESS

Mudding flange features a perforated surface for easy mud-in application

Integral blocking support provided to ensure fixture is properly secured within ceiling structure

OPTICS

Regressed LED source for enhanced glare control

Proprietary wall wash optic

Asymmetrical lens provides uniformity and smooth illumination across and down the wall

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic, and other architectural ceilings

Trimless fixture designed for use in drywall, mud-in ceiling applications

Recommended ceiling cut-outs. Trim version (4 11/16" x 4 11/16"). Trimless version (5 1/16" x 5 1/16")

New construction frame ships with bar hangers (14" to 26" extension)

Standard new construction and IC housings available with optional c-channel bar hangers

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By

Catalog Number 3G-DL40SWW TW 20 H90 WW UNV DMX WT WI IC

Notes

16500, INC

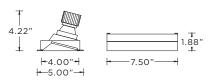
Туре

3G-DL40SWW

4.0" SQUARE WALL WASH DOWNLIGHT DYNAMIC WHITE

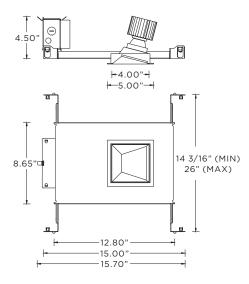
TRIM HOUSING OPTIONS

RMD - Remodel (Non-IC)



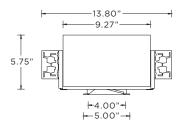


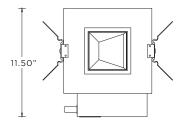
NCF - New Construction Frame (Non-IC)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing









Submitted By 16500, INC

Catalog Number 3G-DL40SWW TW 20 H90 WW UNV DMX WT WI IC

Notes

Туре

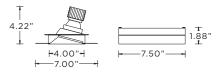
3G LIGHTING

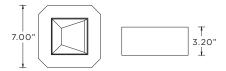
3G-DL40SWW

4.0" SQUARE WALL WASH DOWNLIGHT DYNAMIC WHITE

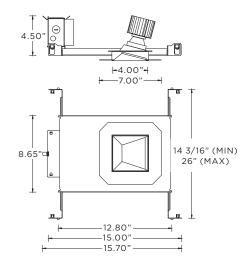
TRIMLESS HOUSING OPTIONS

RMD - Remodel (Non-IC)



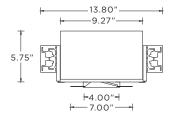


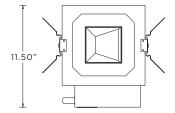
NCF - New Construction Frame (Non-IC)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing









Submitted By 16500, INC

Catalog Number 3G-DL40SF TW 20 H90 40D UNV DMX WT WI IC

Notes



3G-DL40SF

4.0" SQUARE FIXED **DOWNLIGHT** DYNAMIC WHITE

4.0" square, high performance downlight

Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI)

Regressed LED source for enhanced glare control

Wet location option available

Shallow housing available along with remodel and other housing options

1% dimming standard with several integral driver options







Туре

ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-DL40SF	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE ^{1,2} (2700K-6500K)	08 - 800 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	20D - 20° ³ 40D - 40° 60D - 60° 90D - 90° * * 90D reflector supplied standard with lens	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)

DRIVER	FLANGE TYPE	BEVELED INSERT	HOUSING TYPE
DIM - 0-10V (STANDARD 100-1%)	WT - WHITE TRIM	WI - WHITE	RMD - REMODEL (NON-IC)
LE - PHASE DIMMING 4 (TRIAC/ELV, 100-1%) LTEA - LUTRON HI-LUME LTEA 4 (FWD PHASE, 100-1%) D01 - 0-10V (100-0.1%) 1	ST - SILVER TRIM BT - BLACK TRIM XTR - TRIMLESS	SI - SILVER BI - BLACK	NCF - NEW CONSTRUCTION FRAME (NON-IC) SH - SHALLOW HOUSING (IC RATED & CP RATED) NC - NEW CONSTRUCTION
DALI - DALI (100-0.1%) ¹ DHL2 - LUTRON HI LUME LDE1 (1% ECOSYSTEM) DMX - DMX (100-0.1%) ¹			HOUSING (CP RATED) - NEW CONSTRUCTION IC HOUSING

- SF70 SOFTENING LENS (SUPPLIED STANDARD)
- LS70 LINEAR SPREAD LENS
- **SB70 SANDBLASTED LENS**
- WL WET LOCATION (SOFTENING LENS) 5
- CHICAGO PLENUM 6 CP
- AIRTIGHT HOUSING 7
- **BH** C-CHANNEL BAR HANGERS
- EMR EMERGENCY BATTERY (REMOTE) 8

Maximum 1 optical accessory

- 1 Tunable White option available with D01, DALI and DMX drivers
- ${\bf 2} \; {\sf Tunable} \; {\sf White} \; {\sf option} \; {\sf not} \; {\sf available} \; {\sf with} \; {\sf Remodel} \; {\sf and} \; {\sf New} \; {\sf Construction} \; {\sf Frame} \; {\sf Housing} \;$
- 3 20D reflector available with 800 lumen output only
- 4 Phase dimming options available in 120V only
- ${\bf 5} \ \ {\rm Wet \, location \, option \, provided \, standard \, with \, sealed \, softening \, lens. \, Not \, available \, with \, trimless \, option \, and \, constant \, cons$
- 6 Chicago Plenum option available with Shallow Housing and New Construction Housing
- 7 Airtight Housing option available with Shallow Housing only
- 8 Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim

3GT - Tunable White







Submitted By 16500, INC Catalog Number 3G-DL40SF TW 20 H90 40D UNV DMX WT WI IC

Туре

Notes

3G LIGHTING

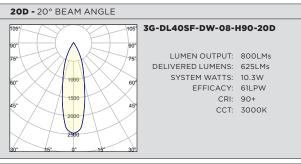
3G-DL40SF

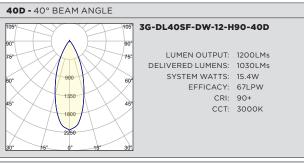
4.0" SQUARE FIXED DOWNLIGHT DYNAMIC WHITE

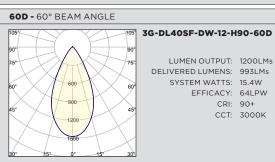
PERFORMANCE CHART BASED ON 60° BEAM AND 3000K SOURCE WITH SOFTENING LENS

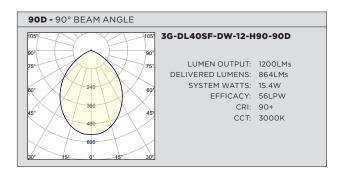
DIM TO WARM	90+ CRI (3000K)					
DIM TO WARM LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)			
800LMs	N/A	N/A	N/A			
1200LMs	993	15.4	64			
2000LMs	1394	23.2	60			

PHOTOMETRY











Submitted By 16500, INC Catalog Number 3G-DL40SF TW 20 H90 40D UNV DMX WT WI IC

Туре

Notes

3G LIGHTING

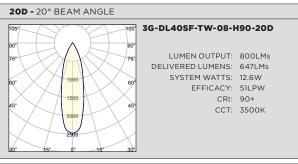
3G-DL40SF

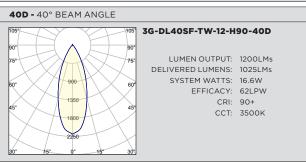
4.0" SQUARE FIXED DOWNLIGHT DYNAMIC WHITE

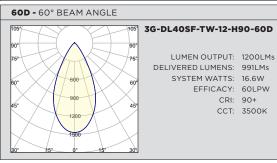
PERFORMANCE CHART BASED ON 60° BEAM ANGLE WITH SOFTENING LENS

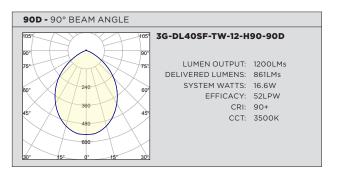
90+ CRI (2700K)			K)	90+ CRI (3500K)			90+ CRI (6500K)		
TUNABLE WHITE LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	924	16.6	56	991	16.6	60	1091	16.6	66
2000LMs	1331	24.5	54	1358	24.5	55	1589	24.5	65

PHOTOMETRY











Submitted By 16500, INC Catalog Number 3G-DL40SF TW 20 H90 40D UNV DMX WT WI IC

Туре

Notes

3G LIGHTING

3G-DL40SF

4.0" SQUARE FIXED DOWNLIGHT DYNAMIC WHITE

TECHNICAL

HOUSING

Remodel, new construction frame, shallow housing, and IC housing options available

Maximum ceiling thickness of 1" (1.5" for Remodel housing). Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housing rated for #12 AWG (4 in, 4 out), 90°C conductors and through branch wiring

BEVELED INSERT

Cast aluminum beveled insert with matte powder coated finish

4.0" aperture with regressed LED source for enhanced glare control

TRIM

Cast aluminum trim flange with matte powder coated finish and minimal 0.375" overlap

TRIMLESS

Mudding flange features a perforated surface for easy mud-in application

Integral blocking support provided to ensure fixture is properly secured within ceiling structure

OPTICS

Regressed LED source for enhanced glare control

Proprietary anodized, aluminum reflectors are field replaceable (20° reflector not interchangeable)

Available in 20°, 40°, 60° and 90°

All models provided standard with softening lens

Wet location option supplied standard with sealed softening lens

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic, and other architectural ceilings

Trimless fixture designed for use in drywall, mud-in ceiling applications

Recommended ceiling cut-outs. Trim version (4 11/16" x 4 11/16"). Trimless version (5 1/16" x 5 1/16")

New construction frame ships with bar hangers (14" to 26" extension)

Standard new construction and IC housings available with optional c-channel bar hangers

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-DL40SF TW 20 H90 40D UNV DMX WT WI IC

Notes

T WI IC

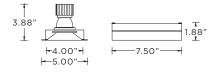
3G LIGHTING

3G-DL40SF

4.0" SQUARE FIXED DOWNLIGHT DYNAMIC WHITE

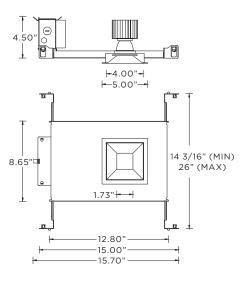
TRIM HOUSING OPTIONS

RMD - Remodel (Non-IC)

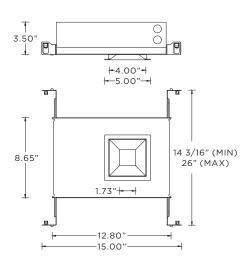




NCF - New Construction Frame (Non-IC)

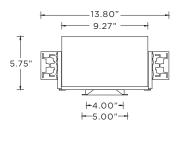


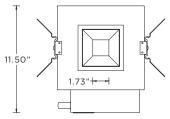
SH - Shallow Housing (IC and Chicago Plenum Rated)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing









Submitted By 16500, INC Catalog Number 3G-DL40SF TW 20 H90 40D UNV DMX WT WI IC

Notes

Туре

Note

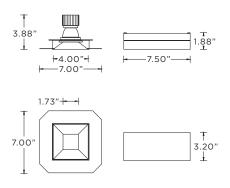
3G

3G-DL40SF

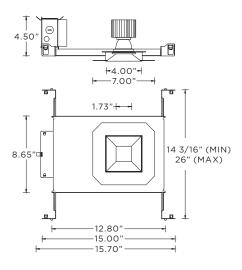
4.0" SQUARE FIXED DOWNLIGHT DYNAMIC WHITE

TRIMLESS HOUSING OPTIONS

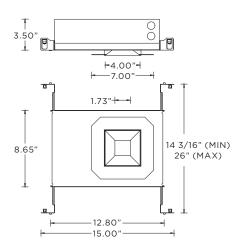
RMD - Remodel (Non-IC)



NCF - New Construction Frame (Non-IC)

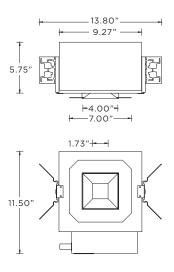


SH - Shallow Housing (IC and Chicago Plenum Rated)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing







Submitted By 16500, INC

Catalog Number 3G-DL45RWW TW 20 H90 WW UNV DMX WT WI IC

Notes

Туре



CAT. NO

3G-DL45RWW

4.5" ROUND WALL WASH **DOWNLIGHT** DYNAMIC WHITE

4.5" round, high performance dynamic white wall wash downlight Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) Regressed LED source for enhanced glare control Proprietary wall wash optic and lens Remodel housing available along with other housing options 1% dimming standard with several integral driver options

LED SOURCE



BEAM ANGLE



VOLTAGE

ORDERING INFORMATION

3G-DL45RWW	TW - TUNA	O WARM -3000K) BLE WHITE ^{1,2} K-6500K)	12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	ww - WAL	L WASH	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)
DRIVER		FLANGE T	YPE	BEVELED INSERT		HOUSING 1	TYPE
DIM - 0-10V (STANDAR LE - PHASE DIMMINI (TRIAC/ELV, 100-1 LTEA - LUTRON HI-LUN (FWD PHASE, 100 DO1 - 0-10V (100-0.1%) DALI - DALI (100-0.1%) DHL2 - LUTRON HI LUM (1% ECOSYSTEN DMX - DMX (100-0.1%) 1	G ³ %) ME LTEA ³ -1%) 1 1E LDE1 4)	ST - SILV XTR - TRII MWF - FLA	ACK TRIM VER TRIM	WI - WHITE SI - SILVER BI - BLACK	RMD - REMOTE - SILVER - BLACK NC - NEW CONTROL HOUST IC - NEW CONTROL		MODEL (NON-IC) V CONSTRUCTION ME (NON-IC) V CONSTRUCTION USING (CPRATED) V CONSTRUCTION USING
OPTIONS							
CP - CHICAGO PLEN BH - C-CHANNEL B, EMR - EMERGENCY B	AR HANGER	5					

CRI

LUMEN OUTPUT

- 1 Tunable White option available with D01, DALI and DMX drivers
- ${\bf 2} \ \ {\bf Tunable \ White \ option \ not \ available \ with \ Remodel \ and \ New \ Construction \ Frame \ Housing}$
- 3 Phase dimming options available in 120V only
- 4 Chicago Plenum option available with New Construction Housing
- **5** Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim

3G - Tunable White





Submitted By 16500, INC Catalog Number 3G-DL45RWW TW 20 H90 WW UNV DMX WT WI IC

Notes

Type

3G LIGHTING

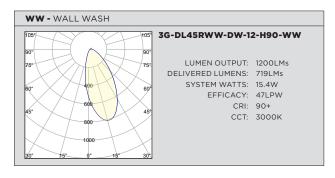
3G-DL45RWW

4.5" ROUND WALL WASH DOWNLIGHT DYNAMIC WHITE

PERFORMANCE CHART BASED ON WALL WASH OPTIC AND 3000K SOURCE

DIM TO WARM	90	0+ CRI (3000I	K)	
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	
1200LMs	719	15.4	47	
2000LMs	1022	23.2	44	

PHOTOMETRY







Submitted By 16500, INC Catalog Number 3G-DL45RWW TW 20 H90 WW UNV DMX WT WI IC

Notes

Туре

3G LIGHTING

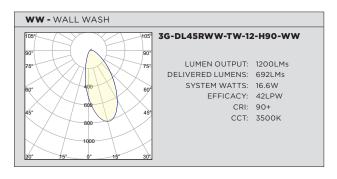
3G-DL45RWW

4.5" ROUND WALL WASH DOWNLIGHT DYNAMIC WHITE

PERFORMANCE CHART BASED ON WALL WASH OPTIC

TUNADIEWUITE	90+ CRI (2700K)			90+ CRI (3500K)			90+ CRI (6500K)		
TUNABLE WHITE LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
1200LMs	652	16.6	39	692	16.6	42	756	16.6	46
2000LMs	939	24.5	38	993	24.5	41	1090	24.5	44

PHOTOMETRY





Submitted By 16500, INC Catalog Number 3G-DL45RWW TW 20 H90 WW UNV DMX WT WI IC Туре

Notes

3G LIGHTING

3G-DL45RWW

4.5" ROUND WALL WASH DOWNLIGHT DYNAMIC WHITE

TECHNICAL

HOUSING

Remodel, new construction frame, shallow housing, and IC housing options available

Maximum ceiling thickness of 1" (1.5" for Remodel housing). Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housing rated for #12 AWG (4 in, 4 out), 90°C conductors and through branch wiring

BEVELED INSERT

Cast aluminum beveled insert with matte powder coated finish

4.5" aperture with regressed LED source for enhanced glare control

TRIM

Machined aluminum trim flange with matte powder coated finish and minimal 0.375" overlap

TRIMLESS

Mudding flange features a perforated surface for easy mud-in application

Integral blocking support provided to ensure fixture is properly secured within ceiling structure

OPTICS

Regressed LED source for enhanced glare control

Proprietary wall wash optic

Asymmetrical lens provides uniformity and smooth illumination across and down the wall

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range $\,$

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic, and other architectural ceilings

Trimless fixture designed for use in drywall, mud-in ceiling applications

Recommended ceiling cut-out for all housing options (4 5/8" diameter)

New construction frame ships with bar hangers (14" to 26" extension)

Standard new construction and IC housings available with optional c-channel bar hangers

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC

Catalog Number 3G-DL45RWW TW 20 H90 WW UNV DMX WT WI IC Туре

Notes

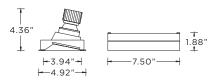
3G LIGHTING

3G-DL45RWW

4.5" ROUND WALL WASH DOWNLIGHT DYNAMIC WHITE

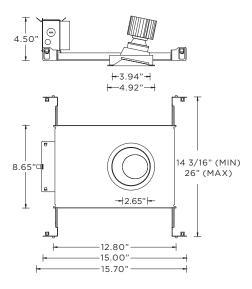
TRIM HOUSING OPTIONS

RMD - Remodel (Non-IC)



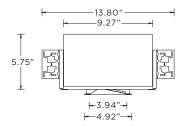


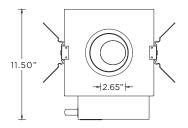
NCF - New Construction Frame (Non-IC)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing









Submitted By 16500, INC

Catalog Number 3G-DL45RWW TW 20 H90 WW UNV DMX WT WI IC

Туре

Notes

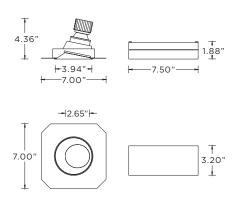
3G LIGHTING

3G-DL45RWW

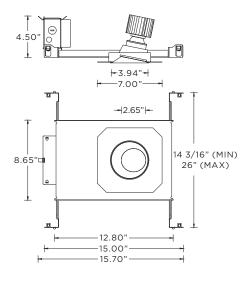
4.5" ROUND WALL WASH DOWNLIGHT DYNAMIC WHITE

TRIMLESS HOUSING OPTIONS

RMD - Remodel (Non-IC)

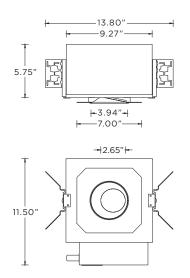


NCF - New Construction Frame (Non-IC)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing







Submitted By 16500, INC

Catalog Number 3G-DL45RWW TW 20 H90 WW UNV DMX WT WI IC

Туре

Notes

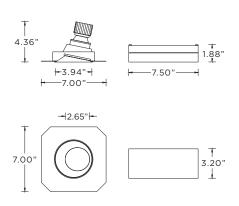
3G LIGHTING

3G-DL45RWW

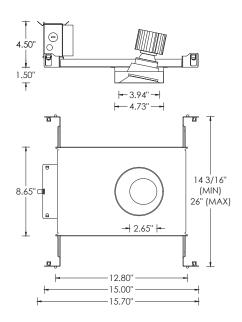
4.5" ROUND WALL WASH DOWNLIGHT DYNAMIC WHITE

FLANGLESS MILLWORK OPTIONS

RMD - Remodel (Non-IC)

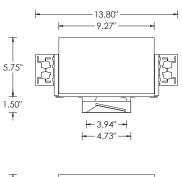


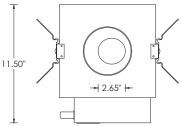
NCF - New Construction Frame (Non-IC)



NC - New Construction Housing (Non-IC and CP rated)

IC - New Construction IC Housing (2200lm max)







Submitted By 16500, INC

Catalog Number Туре 3G-1RLI TW L750 H90 UNV DMX WT FL S-2' Notes



3G-1RLI

1.5" RECESSED LINEAR TUNABLE WHITE & RGBW

Narrow 1.5" aperture with one piece extruded aluminum housing Individual or continuous runs in multiple run configurations Suitable for drywall, grid, wood, and various architectural ceilings LED system with performance up to 103 lumens per watt Extruded acrylic lens with optimal performance and glare control Asymmetric optics available

1% dimming standard with several integral driver options







ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	VOLTAGE
3G-1RLI	TW - TUNABLE WHITE (2700K-6500K) RGBW - INFINITE COLOUR 1 (3500K WHITE)	L250 - LOW OUTPUT (250 LM/FT) 2 L500 - MEDIUM OUTPUT (500 LM/FT) L750 - HIGH OUTPUT (750 LM/FT) L1000 - VERY HIGH OUTPUT (1000 LM/FT) 3 LC CUSTOM OUTPUT (SPECIFY LM/FT) * *Specify custom lumen outputs in 50lm increments (ie: LC600, LC650, LC700) Custom output cannot exceed LC1000 Lumen outputs suitable for white LED source only	S80 - 83+ CRI H90 - 93+ CRI ¹	UNV - 120/277V

DRIVER	FLANGE TYPE	LENS POSITION	OPTIONS
D01 - 0-10V (100-0.1%)	WT - WHITE TRIM	FL -FLUSH	EMC - EMERGENCY CIRCUIT 4
DALI - DALI (eldoLED, 100-1%)	XTR - TRIMLESS	DASY - ASYMMETRIC OPTIC 1	CP - CHICAGO PLENUM
DMX - DMX (eldoLED, 100-0%) 1	FX - FLANGELESS		
PHLT - LUTRON T SERIES (100-1%) (2 CHANNEL TUNABLE WHITE)	GCX - GRID CEILING (UNIVERSAL MOUNT)* "Grid ceiling fixtures ship with universal mounting brackets suitable for all ceiling types. See mounting section for details		

LENGTH (FEET)

- -____' (STRAIGHT RUN)*
- -____'X _____' (L-SHAPE)
- -___'X ____' X ____' (U-SHAPE)
- -___'X ____' (RECTANGLE/SQUARE)
- -___'X ____' (T-SHAPE) т
- -____'X _____' (X-SHAPE)
- _ (CUSTOM LAYOUT PROVIDE DRAWING)
- * Individual units available in 2', 3', 4', 5', 6' and 8' 2' not available for grid ceiling version
- 1 RGBW LED source available with S80 (83 +CRI) and DMX driver option only. Not available with asymmetric optic or EM options
- 2 L250 (250LM/FT) not available in 2' and 3' lengths. Specify LC400 for 2' and 3' fixture lengths when outputs lower than 500LM/FT are required
- 3 L1000 (1000LM/FT) not available for H90 (93+ CRI)
- $\textbf{4} \;\; \mathsf{EMC} \; (\mathsf{emergency} \; \mathsf{circuit}) \; \mathsf{options} \; \mathsf{available} \; \mathsf{for} \; \mathsf{tunable} \; \mathsf{white} \; \mathsf{LED} \; \mathsf{source} \; \mathsf{only}. \; \mathsf{Not} \; \mathsf{available} \; \mathsf{with} \; \mathsf{RGBW} \; \mathsf{Constant} \; \mathsf{Constant}$

3G - Tunable White

3GB - RGBW





Submitted By 16500, INC Catalog Number 3G-1RLI TW L750 H90 UNV DMX WT FL S-2'

Туре

Notes

3G

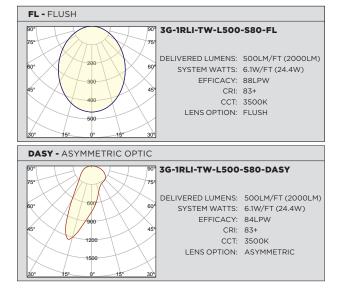
3G-1RLI

1.5" RECESSED LINEAR TUNABLE WHITE & RGBW

PERFORMANCE CHART BASED ON 4' LENGTH WITH FLUSH LENS (TUNABLE WHITE AND 83+ CRI)

COLOR TEMP	DELIVERED LUMENS (LM/FT)	SYSTEM WATTS (W/FT)	EFFICACY (LPW)
	250	3.0	84
2700K	500	6.1	81
2700K	750	9.4	80
	1000	12.5	79
	250	3.0	90
	500	6.1	88
3500K	750	9.4	85
	1000	12.5	83
	250	3.0	102
CEOOK	500	6.1	103
6500K	750	9.4	98
	1000	12.5	92
EFFICACY (LPW)	CRI	Multiplier	
ADJUSTMENT FACTOR	93+	0.88	

PHOTOMETRY BASED ON 4' LENGTH (83+ CRI AND 3500K SOURCE)





Submitted By 16500, INC Catalog Number

3G-1RLI TW L750 H90 UNV DMX WT FL S-2'

Туре

Notes

3G LIGHTING

3G-1RLI

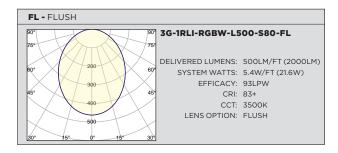
1.5" RECESSED LINEAR TUNABLE WHITE & RGBW

PERFORMANCE CHART BASED ON 4' LENGTH (RGBW WITH 83+ CRI AND 3500K SOURCE)

COLOR TEMP	DELIVERED LUMENS (LM/FT)	SYSTEM WATTS (W/FT)	EFFICACY (LPW)
	250	2.6	95
3500K	500	5.4	93
	750	8.9	85
	1000	13.0	77

	RGB	INTENSITY Min - Max (mcd)
LUMINOUS INTENSITY PER LED	RED	355 - 805
PER LED	GREEN	710 - 1400
	BLUE	140 - 355

PHOTOMETRY BASED ON 4' LENGTH (83+ CRI AND 3500K SOURCE)







Submitted By

Catalog Number 3G-1RLI TW L750 H90 UNV DMX WT FL S-2'

Туре

Notes

3G LIGHTING

3G-1RLI

1.5" RECESSED LINEAR TUNABLE WHITE & RGBW

TECHNICAL

HOUSING

Extruded aluminum housing with narrow 1.5" aperture

Individual units and continuous runs available in 1' increments

Trim flange with matte white powder coated finish and minimal 0.400" overlap

Trimless model features a satin coat mudding flange for seamless ceiling

24-gauge LED reflector with high reflectance white powder coated finish

Standard polyester powder coated matte white finish

OPTICS

Extruded, satin acrylic lens designed for optimal performance and glare control. Up to 8' continuous High performance asymmetric optics available

ELECTRICAL

Luminaires are pre-wired with factory installed quick connects and branch circuit wiring

Standard 0-10V, constant current drivers with 100-0.1% dimming range and >0.9 power factor

eldoLED DALI driver option with 100-0.1% dimming range

eldoLED DMX driver option with 100-0% dimming range

Lutron T-series 2 channel tunable white driver option with 100-1% dimming range

All drivers are integral and easily accessible through luminaire aperture

Minimum 4' and maximum 6' length for each integral emergency battery. 10W output for 90 minutes

LED SYSTEM FOR TUNABLE WHITE (TW)

Proprietary LED system with color consistency <3 SDCM

2700K-6500K CCT range

Standard 83+CRI. Optional 93+CRI. (R9 value of 56 for 93+CRI)

L90 >60,000 hours

5 Year Warranty

LED SYSTEM FOR RGBW

Proprietary LED system with color consistency <3 SDCM

White LED available in 35K with 83+ CRI

L80 >72,000 hours

Red (335-805 mcd)

Green (710-1400 mcd)

Blue (140-355 mcd)

5 Year Warranty

MOUNTING

Housing suspended via 1/4" threaded rod or suspension cables (by others)

Toolless installation with 3G's proprietary mounting system

Internal, toolless joiner system (latch and hook) easily connects multiple sections together

LED reflectors remain within each fixture section during installation with 3G's click and lock spring system

Trim fixture designed for use in drywall, wood, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Flangeless fixture designed for use in wood ceilings. New construction only

Suitable for various grid ceiling applications (see mounting details)

Fixture weight: +/- 2.5 lbs/ft

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-1RLI TW L750 H90 UNV DMX WT FL S-2'

Notes

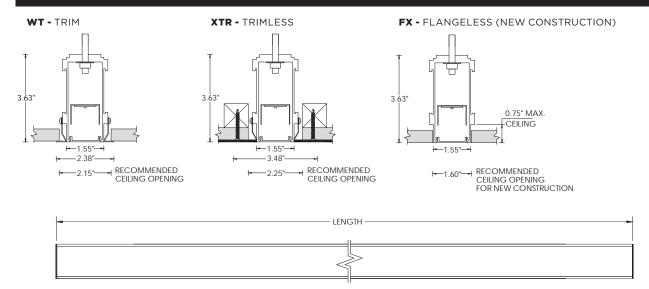
Туре

3G LIGHTING

3G-1RLI

1.5" RECESSED LINEAR TUNABLE WHITE & RGBW

DRAWINGS AND DIMENSIONS HARD CEILING



LENS OPTION

FL - FLUSH DASY - ASYMMETRIC



MOUNTING DETAILS HARD CEILING







Submitted By 16500, INC

Catalog Number 3G-1RLI TW L750 H90 UNV DMX WT FL S-2'

Туре

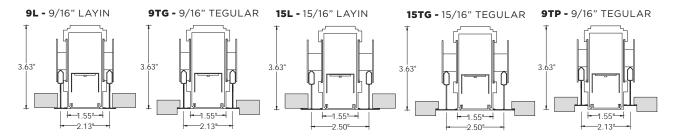
Notes

3C LIGHTING

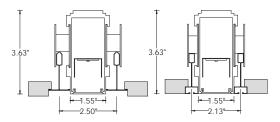
3G-1RLI

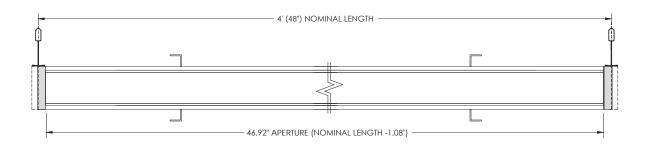
1.5" RECESSED LINEAR TUNABLE WHITE & RGBW

DRAWINGS AND DIMENSIONS GRID CEILING

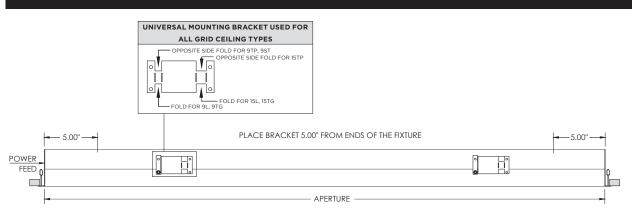


15TP - 15/16" TEGULAR **9ST -** 9/16" SLOT TEE TEGULAR





MOUNTING DETAILS GRID CEILING





Submitted By 16500, INC

Catalog Number 3G-1RLI TW L750 H90 UNV DMX WT FL S-2'

Notes

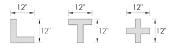
3G LIGHTING

3G-1RLI

1.5" RECESSED LINEAR TUNABLE WHITE & RGBW

PATTERNS

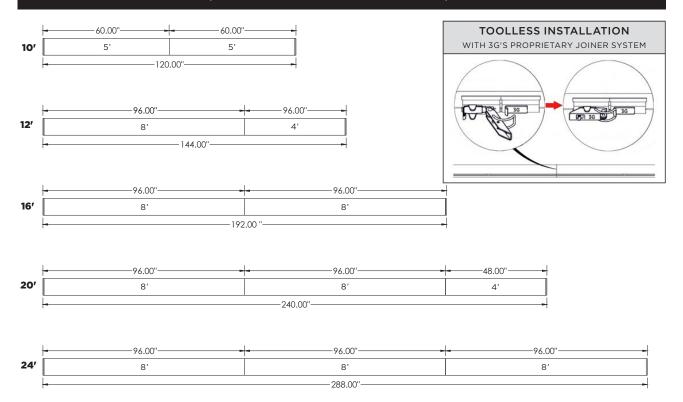
Specify pattern shape and overall dimensions as shown below Patterns are connected with fully illuminated 12"x12" L, T, and X-shaped sections Please consult factory for custom patterns and shapes not shown below



Туре

L-SHAPE	U-SHAPE	RECTANGLE/SQUARE	T-SHAPE	X-SHAPE
Provide dimensions of AxB Example: L - 6'x8'	Provide dimensions of AxBxC Example: U - 8'x10'x6'	Provide dimensions of AxB Example: R - 10'x8'	Provide dimensions of AxB Example: T - 14'x6'	Provide dimensions of AxB Example: X - 14'x14'

TYPICAL SECTION MOUNTING (AVAILABLE IN 1' INCREMENTS AS STANDARD)



NOTE:





Submitted By 16500, INC Catalog Number

3G-2RLI TW L750 S80 UNV DMX WT FL S-2'

Notes



3G-2RLI

2" RECESSED LINEAR TUNABLE WHITE & RGBW

Narrow 2" aperture with one piece extruded aluminum housing Individual or continuous runs in multiple run configurations Suitable for drywall, grid, wood, and various architectural ceilings LED system with performance up to 119 lumens per watt Extruded acrylic lens available in flush, 1" and 2" drop lens options Asymmetric optics available

1% dimming standard with several integral driver options







Туре

ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	VOLTAGE
3G-2RLI	TW - TUNABLE WHITE (2700K-6500K) RGBW - INFINITE COLOUR 1 (3500K WHITE)	L250 - LOW OUTPUT (250 LM/FT) 2 L500 - MEDIUM OUTPUT (500 LM/FT) L750 - HIGH OUTPUT (750 LM/FT) L1000 - VERY HIGH OUTPUT (1000 LM/FT) 3 LC CUSTOM OUTPUT (SPECIFY LM/FT)* *Specify custom lumen outputs in 50lm increments (ie: LC600, LC650, LC700) Custom output cannot exceed LC1000 Lumen outputs suitable for white LED source only	S80 - 83+ CRI H90 - 93+ CRI	UNV - 120/277V

DRIVER	FLANGE TYPE	LENS POSITION	OPTIONS
D01 - 0-10V (100-0.1%)	WT - WHITE TRIM	FL - FLUSH	EMC - EMERGENCY CIRCUIT 4
DALI - DALI (eldoLED, 100-1%)	XTR - TRIMLESS	DD1 -1" DROP LENS	CP - CHICAGO PLENUM
DMX - DMX (eldoLED, 100-0%) 1	FX - FLANGELESS	DD2 - 2" DROP LENS	
PHLT - LUTRON T SERIES (100-1%) (2 CHANNEL TUNABLE WHITE)		DASY - ASYMMETRIC OPTIC 1	

LENGTH (FEET)

- -____' (STRAIGHT RUN)*
- -____'X _____' (L-SHAPE)
- -____'X _____' X _____' (U-SHAPE)
- -___'X ____' (RECTANGLE/SQUARE)
- -___'X ____' (T-SHAPE) т
- -____'X _____' (X-SHAPE)
- CUS ___ (CUSTOM LAYOUT PROVIDE DRAWING)
- * Individual units available in 2', 3', 4', 5', 6' and 8' 2' not available for grid ceiling version Continuous runs available in 1' increments only
- 1 RGBW LED source available with S80 (83 +CRI) and DMX driver option only. Not available with asymmetric optic or EM options
- 2 L250 (250LM/FT) not available in 2' and 3' lengths. Specify LC400 for 2' and 3' fixture lengths when outputs lower than 500LM/FT are required
- 3 L1000 (1000LM/FT) not available for H90 (93+ CRI)
- $\textbf{4} \;\; \mathsf{EMC} \; (\mathsf{emergency} \; \mathsf{circuit}) \; \mathsf{options} \; \mathsf{available} \; \mathsf{for} \; \mathsf{tunable} \; \mathsf{white} \; \mathsf{LED} \; \mathsf{source} \; \mathsf{only}. \; \mathsf{Not} \; \mathsf{available} \; \mathsf{with} \; \mathsf{RGBW} \; \mathsf{Constant} \; \mathsf{Constant}$

3G - Tunable White

3GB - RGBW





Submitted By 16500, INC Catalog Number 3G-2RLI TW L750 S80 UNV DMX WT FL S-2'

Туре

Notes

3G LIGHTING

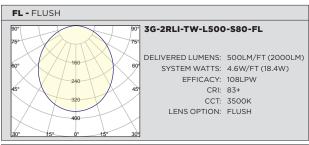
3G-2RLI

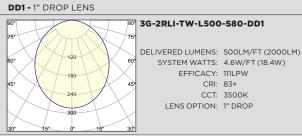
2" RECESSED LINEAR TUNABLE WHITE & RGBW

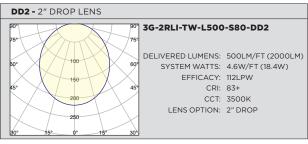
PERFORMANCE CHART BASED ON 4' LENGTH WITH FLUSH LENS (TUNABLE WHITE AND 83+ CRI)

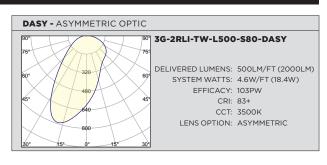
COLOR TEMP	DELIVERED LUMENS (LM/FT)	SYSTEM WATTS (W/FT)	EFFICACY (LPW)
	250	2.3	104
2700K	500	4.6	100
2700K	750	7.0	99
	1000	9.7	98
	250	2.3	111
75001/	500	4.6	108
3500K	750	7.0	105
	1000	9.7	102
	250	2.3	119
CEOOK	500	4.6	118
6500K	750	7.0	113
	1000	9.7	107
EFFICACY (LPW)	CRI	Multiplier	
ADJUSTMENT FACTOR	93+	0.88	

PHOTOMETRY BASED ON 4' LENGTH (83+ CRI AND 3500K SOURCE)











Submitted By 16500, INC Catalog Number 3G-2RLI TW L750 S80 UNV DMX WT FL S-2'

Туре

Notes

3G

3G-2RLI

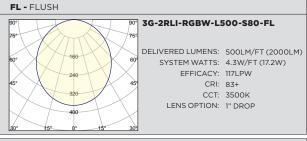
2" RECESSED LINEAR TUNABLE WHITE & RGBW

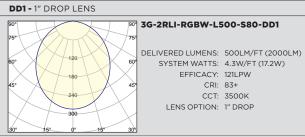
PERFORMANCE CHART BASED ON 4' LENGTH (RGBW WITH 83+ CRI AND 3500K SOURCE)

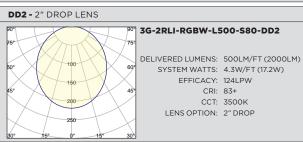
COLOR TEMP	DELIVERED LUMENS (LM/FT)	SYSTEM WATTS (W/FT)	EFFICACY (LPW)
	250	2.1	119
3500К	500	4.3	117
	750	7.0	107
	1000	10.3	98

	RGB	INTENSITY Min - Max (mcd)
LUMINOUS INTENSITY PER LED	RED	355 - 805
PERLED	GREEN	710 - 1400
	BLUE	140 - 355

PHOTOMETRY BASED ON 4' LENGTH (83+ CRI AND 3500K SOURCE)









Submitted By 16500, INC Catalog Number 3G-2RLI TW L750 S80 UNV DMX WT FL S-2'

Notes

3C

3G-2RLI

2" RECESSED LINEAR TUNABLE WHITE & RGBW

TECHNICAL

HOUSING

Extruded aluminum housing with narrow 2" aperture

Individual units and continuous runs available in 1' increments

Trim flange with matte white powder coated finish and minimal 0.400" overlap

Trimless model features a satin coat mudding flange for seamless ceiling

24-gauge LED reflector with high reflectance white powder coated finish

Standard polyester powder coated matte white finish

OPTICS

Extruded, satin acrylic lens designed for optimal performance and glare control. Up to 8' continuous Lens options include flush, 1" and 2" drops with illuminated end caps for all drop lenses

High performance asymmetric optics available

ELECTRICAL

Luminaires are pre-wired with factory installed quick connects and branch circuit wiring

Standard 0-10V, constant current drivers with 100-0.1% dimming range and >0.9 power factor

eldoLED DALI driver option with 100-0.1% dimming range

eldoLED DMX driver option with 100-0% dimming range

Lutron T-series 2 channel tunable white driver option with 100-1% dimming range

All drivers are integral and easily accessible through luminaire aperture

Minimum 4' and maximum 6' length for each integral emergency battery. 10W output for 90 minutes

LED SYSTEM FOR TUNABLE WHITE (TW)

Proprietary LED system with color consistency <3 SDCM

2700K-6500K CCT range

Standard 83+CRI. Optional 93+CRI. (R9 value of 56 for 93+CRI)

L90 >60,000 hours

5 Year Warranty

LED SYSTEM FOR RGBW

Proprietary LED system with color consistency <3 SDCM

White LED available in 35K with 83+ CRI

L80 >72.000 hours

Red (335-805 mcd)

Green (710-1400 mcd)

Blue (140-355 mcd)

5 Year Warranty

MOUNTING

Housing suspended via 1/4" threaded rod or suspension cables (by others)

Toolless installation with 3G's proprietary mounting system

Internal, toolless joiner system (latch and hook) easily connects multiple sections together

LED reflectors remain within each fixture section during installation with 3G's click and lock spring system

Trim fixture designed for use in drywall, wood, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Flangeless fixture designed for use in wood ceilings

Suitable for various grid ceiling applications (see mounting details)

Fixture weight: +/- 2.5 lbs/ft

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C



Туре



Submitted By

Catalog Number 3G-2RLI TW L750 S80 UNV DMX WT FL S-2'

Туре

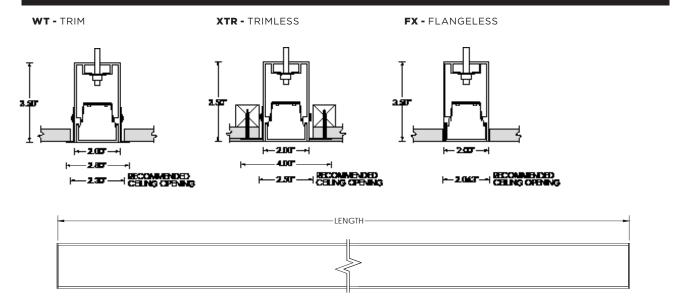
Notes

3G

3G-2RLI

2" RECESSED LINEAR TUNABLE WHITE & RGBW

DRAWINGS AND DIMENSIONS HARD CEILING



LENS OPTION

FL - FLUSH DD1 - 1" DROP DD2 - 2" DROP DASY - ASYMMETRIC

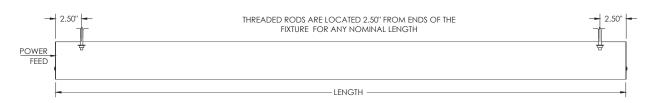








MOUNTING DETAILS HARD CEILING





Catalog Number 3G-2RLI TW L750 S80 UNV DMX WT FL S-2'

Туре

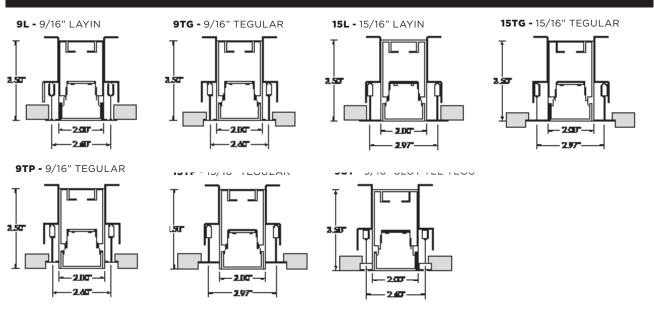
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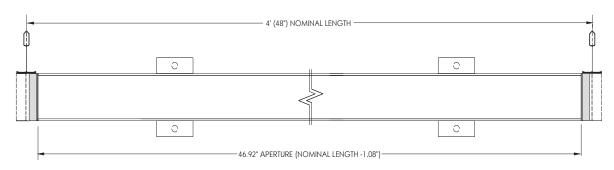
3G LIGHTING

3G-2RLI

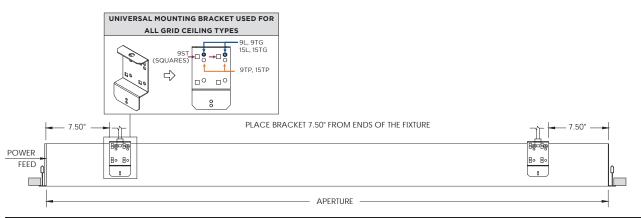
2" RECESSED LINEAR TUNABLE WHITE & RGBW

DRAWINGS AND DIMENSIONS GRID CEILING





MOUNTING DETAILS GRID CEILING





Submitted By 16500, INC

Catalog Number 3G-2RLI TW L750 S80 UNV DMX WT FL S-2'

Notes

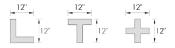
3G LIGHTING

3G-2RLI

2" RECESSED LINEAR TUNABLE WHITE & RGBW

PATTERNS

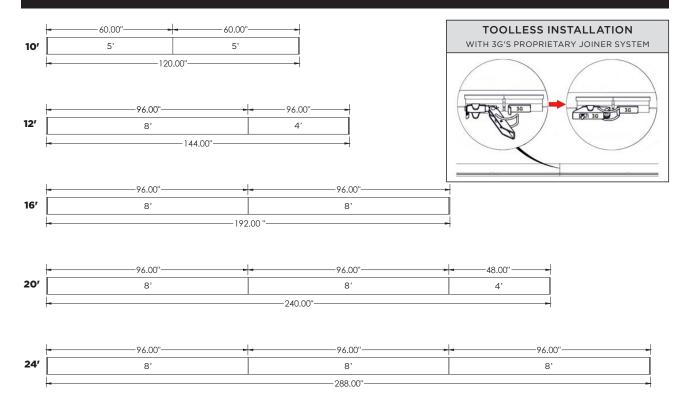
Specify pattern shape and overall dimensions as shown below Patterns are connected with fully illuminated 12"x12" L, T, and X-shaped sections Please consult factory for custom patterns and shapes not shown below



Туре

L-SHAPE	U-SHAPE	RECTANGLE/SQUARE	T-SHAPE	X-SHAPE
Provide dimensions of AxB Example: L - 6'x8'	Provide dimensions of AxBxC Example: U - 8'x10'x6'	Provide dimensions of AxB Example: R - 10'x8'	Provide dimensions of AxB Example: T - 14'x6'	Provide dimensions of AxB Example: X - 14'x14'

TYPICAL SECTION MOUNTING (AVAILABLE IN 1' INCREMENTS AS STANDARD)



NOTE:

Run lengths and configurations not shown are available in 1' increments as standard. Please contact 3G for 1" increments



Submitted By 16500, INC

Catalog Number 3G-4RLI TW L1000 H90 UNV DMX WT FL S-2'

Notes

LIGHTING

3G-4RLI

3.5" RECESSED LINEAR TUNABLE WHITE & RGBW

3.5" aperture with one piece extruded aluminum housing Individual or continuous runs in multiple run configurations Suitable for drywall, grid, wood, and various architectural ceilings LED system with performance up to 147 lumens per watt Extruded acrylic lens available in flush, 1" and 2" drop lens options Asymmetric optics available

1% dimming standard with several integral driver options







Туре

ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	VOLTAGE
3G-4RLI	TW - TUNABLE WHITE (2700K-6500K) RGBW - INFINITE COLOUR 1 (3500K WHITE)	L250 - LOW OUTPUT (250 LM/FT) 2 L500 - MEDIUM OUTPUT (500 LM/FT) L750 - HIGH OUTPUT (750 LM/FT) L1000 - VERY HIGH OUTPUT (1000 LM/FT) 3 LC CUSTOM OUTPUT (SPECIFY LM/FT)* *Specify custom lumen outputs in 50lm increments (ie: LC600, LC650, LC700) Custom output cannot exceed LC1000 Lumen outputs suitable for white LED source only	\$80 - 83+ CRI H90 - 93+ CRI ¹	UNV - 120/277V

DRIVER	FLANGE TYPE	LENS OPTION	OPTIONS
D01 - 0-10V (100-0.1%)	WT - WHITE TRIM	FL - FLUSH	EMC - EMERGENCY CIRCUIT 4
DALI - DALI (eldoLED, 100-1%)	XTR - TRIMLESS	DD1 -1" DROP LENS	CP - CHICAGO PLENUM
DMX - DMX (eldoLED, 100-0%) ¹	FX - FLANGELESS	DD2 - 2" DROP LENS	
DHLT - LUTRON T SERIES (100-1) (2 CHANNEL TUNABLE WHIT		DASY - ASYMMETRIC OPTIC 1	

LENGTH (FEET)

- -____' (STRAIGHT RUN)*
- -____'X _____' (L-SHAPE)
- -____'X _____' X _____' (U-SHAPE)
- -___'X ____' (RECTANGLE/SQUARE)
- -___'X ____' (T-SHAPE) т
- -____'X _____' (X-SHAPE)
- cus -_ (CUSTOM LAYOUT - PROVIDE DRAWING)
- * Individual units available in 2', 3', 4', 5', 6' and 8' 2' not available for grid ceiling version Continuous runs available in 1' increments only
- 1 RGBW LED source available with S80 (83 +CRI) and DMX driver option only. Not available with asymmetric optic or EM options
- 2 L250 (250LM/FT) not available in 2' and 3' lengths. Specify LC400 for 2' and 3' fixture lengths when outputs lower than 500LM/FT are required
- 3 L1000 (1000LM/FT) not available for H90 (93+ CRI)
- $\textbf{4} \;\; \mathsf{EMC} \; (\mathsf{emergency} \; \mathsf{circuit}) \; \mathsf{options} \; \mathsf{available} \; \mathsf{for} \; \mathsf{tunable} \; \mathsf{white} \; \mathsf{LED} \; \mathsf{source} \; \mathsf{only}. \; \mathsf{Not} \; \mathsf{available} \; \mathsf{with} \; \mathsf{RGBW} \; \mathsf{Constant} \; \mathsf{Constant}$

3G - Tunable White

3GB - RGBW





Submitted By 16500, INC Catalog Number 3G-4RLI TW L1000 H90 UNV DMX WT FL S-2'

Туре

Notes

3G LIGHTING

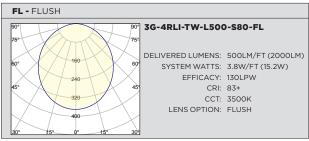
3G-4RLI

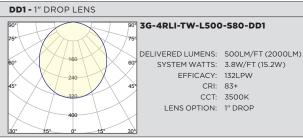
3.5" RECESSED LINEAR TUNABLE WHITE & RGBW

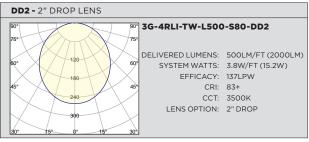
PERFORMANCE CHART BASED ON 4' LENGTH WITH FLUSH LENS (TUNABLE WHITE AND 83+ CRI)

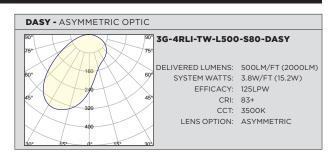
COLOR TEMP	DELIVERED LUMENS (LM/FT)	SYSTEM WATTS (W/FT)	EFFICACY (LPW)
2700K	250	1.9	126
	500	3.8	121
	750	5.8	119
	1000	8.0	118
3500K	250	1.9	135
	500	3.8	130
	750	5.8	127
	1000	8.0	123
6500K	250	1.9	147
	500	3.8	145
	750	5.8	138
	1000	8.0	132
EFFICACY (LPW)	CRI	Multiplier	
ADJUSTMENT FACTOR	93+	0.88	

PHOTOMETRY BASED ON 4' LENGTH (83+ CRI AND 3500K SOURCE)











Submitted By 16500, INC Catalog Number 3G-4RLI TW L1000 H90 UNV DMX WT FL S-2'

Туре

Notes

3G

3G-4RLI

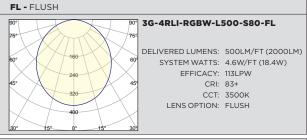
3.5" RECESSED LINEAR TUNABLE WHITE & RGBW

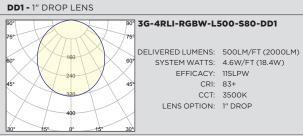
PERFORMANCE CHART BASED ON 4' LENGTH (RGBW WITH AND 83+ CRI AND 3500K SOURCE)

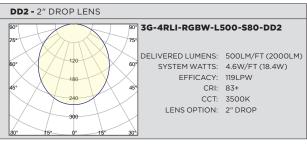
COLOR TEMP	DELIVERED LUMENS (LM/FT)	SYSTEM WATTS (W/FT)	EFFICACY (LPW)	
	250	2.2	119	
7500V	500	4.6	113	
3500K	750	7.8	96	
	1000	11.3	89	

	RGB	INTENSITY Min - Max (mcd)
LUMINOUS INTENSITY PER LED	RED	355 - 805
PERLED	GREEN	710 - 1400
	BLUE	140 - 355

PHOTOMETRY BASED ON 4' LENGTH (83+ CRI AND 3500K SOURCE)









Submitted By 16500, INC Catalog Number 3G-4RLI TW L1000 H90 UNV DMX WT FL S-2' Туре

Notes

3C

3G-4RLI

3.5" RECESSED LINEAR TUNABLE WHITE & RGBW

TECHNICAL

HOUSING

Extruded aluminum housing with 3.5" aperture

Individual units and continuous runs available in 1' increments

Trim flange with matte white powder coated finish and minimal 0.400" overlap

Trimless model features a satin coat mudding flange for seamless ceiling

24-gauge LED reflector with high reflectance white powder coated finish

Standard polyester powder coated matte white finish

OPTICS

Extruded, satin acrylic lens designed for optimal performance and glare control. Up to 8' continuous Lens options include flush, 1" and 2" drops with illuminated end caps for all drop lenses

High performance asymmetric optics available

ELECTRICAL

Luminaires are pre-wired with factory installed quick connects and branch circuit wiring

Standard 0-10V, constant current drivers with 100-0.1% dimming range and >0.9 power factor

eldoLED DALI driver option with 100-0.1% dimming range

eldoLED DMX driver option with 100-0% dimming range

Lutron T-series 2 channel tunable white driver option with 100-1% dimming range

All drivers are integral and easily accessible through luminaire aperture

Minimum 4' and maximum 6' length for each integral emergency battery. 10W output for 90 minutes

LED SYSTEM FOR TUNABLE WHITE (TW)

Proprietary LED system with color consistency <3 SDCM

2700K-6500K CCT range

Standard 83+CRI. Optional 93+CRI. (R9 value of 56 for 93+CRI)

L90 >60,000 hours

5 Year Warranty

LED SYSTEM FOR RGBW

Proprietary LED system with color consistency <3 SDCM

White LED available in 35K with 83+ CRI

L80 >72.000 hours

Red (335-805 mcd)

Green (710-1400 mcd)

Blue (140-355 mcd)

5 Year Warranty

MOUNTING

Housing suspended via 1/4" threaded rod or suspension cables (by others)

Toolless installation with 3G's proprietary mounting system

Internal, toolless joiner system (latch and hook) easily connects multiple sections together

LED reflectors remain within each fixture section during installation with 3G's click and lock spring system

Trim fixture designed for use in drywall, wood, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Flangeless fixture designed for use in wood ceilings

Suitable for 4" TechZone and various grid ceiling applications (see mounting details)

Fixture weight: +/- 3 lbs/ft

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-4RLI TW L1000 H90 UNV DMX WT FL S-2' Туре

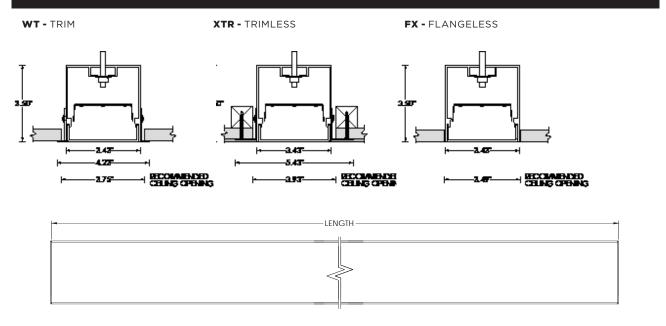
Notes

3G

3G-4RLI

3.5" RECESSED LINEAR TUNABLE WHITE & RGBW

DRAWINGS AND DIMENSIONS



LENS OPTION

FL - FLUSH DD1

DD1 - 1" DROP

DD2 - 2" DROP DASY - ASYMMETRIC

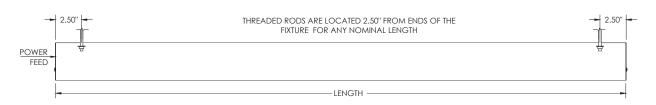








MOUNTING DETAILS HARD CEILING





Submitted By 16500, INC

Catalog Number 3G-4RLI TW L1000 H90 UNV DMX WT FL S-2'

0

Туре

Notes

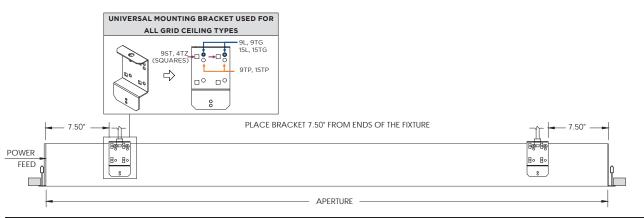
3G LIGHTING

3G-4RLI

3.5" RECESSED LINEAR TUNABLE WHITE & RGBW

DRAWINGS AND DIMENSIONS GRID CEILING **15TG -** 15/16" TEGULAR **9L -** 9/16" LAYIN **9TG -** 9/16" TEGULAR **15L -** 15/16" LAYIN 3.50 3.50" 3.50 3.50" -3.43' -4.00' 3.43" 3.43" 3.43" 4.00" 4.40" 4.40" **9TP -** 9/16" TEGULAR **15TP -** 15/16" TEGULAR **9ST -** 9/16" SLOT TEE **4TZ -** 4" TECH ZONE TEGULAR 3.50' 3.50" 3.50' 3.43" 3.43 3 43 -3 43 4.00' 4.40" 4' (48") NOMINAL LENGTH -0 0

MOUNTING DETAILS GRID CEILING



46.92" APERTURE (NOMINAL LENGTH -1.08") -

0



Submitted By 16500, INC

Catalog Number 3G-4RLI TW L1000 H90 UNV DMX WT FL S-2'

Notes

3C LIGHTING

3G-4RLI

3.5" RECESSED LINEAR TUNABLE WHITE & RGBW

PATTERNS

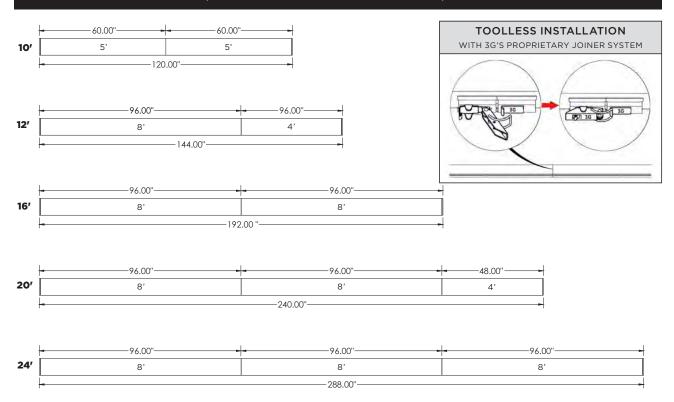
Specify pattern shape and overall dimensions as shown below Patterns are connected with fully illuminated 12"x12" L, T, and X-shaped sections Please consult factory for custom patterns and shapes not shown below



Туре

L-SHAPE	U-SHAPE	RECTANGLE/SQUARE	T-SHAPE	X-SHAPE
Provide dimensions of AxB Example: L - 6'x8'	Provide dimensions of AxBxC Example: U - 8'x10'x6'	Provide dimensions of AxB Example: R - 10'x8'	Provide dimensions of AxB Example: T - 14'x6'	Provide dimensions of AxB Example: X - 14'x14'

TYPICAL SECTION MOUNTING (AVAILABLE IN 1' INCREMENTS AS STANDARD)



NOTE:

Run lengths and configurations not shown are available in 1' increments as standard. Please contact 3G for 1" increments





Submitted By 16500, INC Catalog Number 3G-1PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'

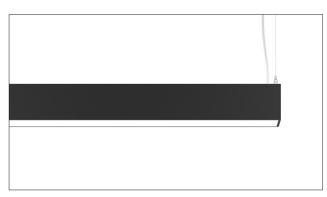
Notes



3G-1PLI-DI

1.5" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW

Narrow 1.5" aperture with one piece extruded aluminum housing Individual or continuous runs available in multiple run configurations Direct/Indirect distribution with multiple lumen output options LED system with performance up to 120 lumens per watt Extruded acrylic lens with optimal performance and glare control Widespread and asymmetric optics available 1% dimming standard with several integral driver options







Туре

ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT (DIRECT)	LUMEN OUTPUT (INDIRECT)	CRI
3G-1PLI-DI	TW - TUNABLE WHITE (2700K-6500K) RGBW - INFINITE COLOUR 1 (3500K WHITE)	L250 -LOW OUTPUT (250 LM/FT) ² L500 -MEDIUM OUTPUT (500 LM/FT) L750 -HIGH OUTPUT (750 LM/FT) L1000 - VERY HIGH OUTPUT (1000 LM/FT) ³ LCCUSTOM OUTPUT (SPECIFY LM/FT) [*] *Specify custom lumen outputs in 50lm increments (ie: LC600, LC650, LC700) Custom output cannot exceed LC1000 Lumen outputs suitable for white LED source only LENS OPTION (DIRECT)	L250 -LOW OUTPUT (250 LM/FT) ² L500 -MEDIUM OUTPUT (500 LM/FT) L750 -HIGH OUTPUT (750 LM/FT) L1000 - VERY HIGH OUTPUT (1000 LM/FT) ³ LCCUSTOM OUTPUT (SPECIFY LM/FT) [*] 'Specify custom lumen outputs in 50lm increments (ie: LC600, LC650, LC700) Custom output cannot exceed LC1000 Lumen outputs suitable for white LED source only LENS OPTION (INDIRECT)	
UNV - 120-277V	DRIVER D01 - 0-10V (100-0.1%)	FL -FLUSH	FL - FLUSH	WH - WHITE
	DALI - DALI (eldoLED, 100-1%) DMX - DMX (100-1%) DHLT - LUTRON SERIES (100 (2 CHANNEL TUNABLE)	DASY - ASYMMETRIC OPTIC ¹	WSO - WIDESPREAD OPTIC 1 ASY - ASYMMETRIC OPTIC 1,3	SV - SILVER BK - BLACK All mounting canopies provided in white as standard
CABLE LENGTH	CIRCUITING	OPTIONS	LENGTH (FEET)	
60 - 60" 120 - 120"	1C -1 CIRCUIT 2C - 2 CIRCUIT	EMB - INTEGRAL EMERGENCY BATTERY (4' SECTION ONLY EMC - EMERGENCY CIRCUIT 4	S' (STRAIGHT RUN)* L'X' (L-SHAPE) U'X' (Y' (U-SHAPE)) R'X' (RECTANGLE/SQUA) T'X' (T-SHAPE) X'X' (X-SHAPE) CUS (CUSTOM LAYOUT - PROVID) ¹ Individual units available in 2', 3', 4', 5', 6', Continuous runs available in 1' increment:	E DRAWING) and 8'

- 1 RGBW LED source available with S80 (83 +CRI) and DMX driver option only. Not available with widespread, asymmetric, or EM options
- 2 L250 (250LM/FT) not available in 2' and 3' lengths. Specify LC400 for 2' and 3' fixture lengths when outputs lower than 500LM/FT are required
- 3 L1000 (1000LM/FT) not available for H90 (93+ CRI) or indirect asymmetric option
- 4 EMB (emergency battery) and EMC (emergency circuit) options available for tunable white LED source only. Not available with RGBW

3G - Tunable White







Submitted By 16500, INC

Catalog Number 3G-1PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4' Туре

Notes

3G LIGHTING

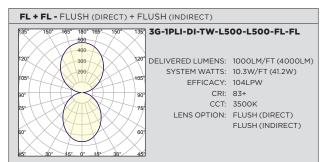
3G-1PLI-DI1.5" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW

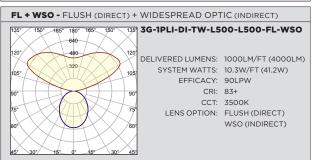
PERFORMANCE CHART BASED ON 4' LENGTH WITH FLUSH LENS (TUNABLE WHITE AND 83+ CRI)

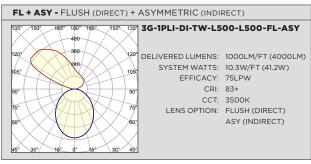
LENS OPTION	DEI	LIVERED LUMI (LM/FT)	ENS	\$	YSTEM WATT (W/FT)	s		EFFICACY (LPW)	
DIRECT + INDIRECT	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL
	250	250	500	3.0	1.9	4.9	84	120	98
27001/	500	500	1000	6.1	4.2	10.3	81	116	95
2700K	750	750	1500	9.4	6.1	15.5	80	115	94
	1000	1000	2000	12.5	8.6	21.0	79	114	93
	250	250	500	3.0	1.9	4.9	90	129	105
75001/	500	500	1000	6.1	4.2	10.3	88	128	104
3500K	750	750	1500	9.4	6.1	15.5	85	123	100
	1000	1000	2000	12.5	8.6	21.0	83	118	97
	250	250	500	3.0	1.9	4.9	102	145	118
CEOOK	500	500	1000	6.1	4.2	10.3	103	144	120
6500K	750	750	1500	9.4	6.1	15.5	98	141	115
	1000	1000	2000	12.5	8.6	21.0	92	132	108
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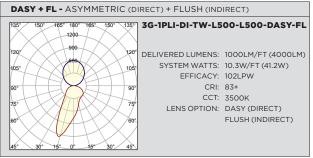
EFFICACY (LPW)	CRI	Multiplier		
ADJUSTMENT FACTOR	93+	0.88		

PHOTOMETRY BASED ON 4' LENGTH (83+ CRI AND 3500K SOURCE)











Submitted By 16500, INC Catalog Number

3G-1PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'

Туре

Notes

3G

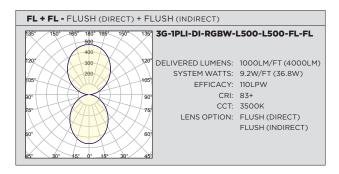
3G-IPLI-DI1.5" LINEAR PENDANT
DIRECT/INDIRECT
TUNABLE WHITE & RGBW

PERFORMANCE CHART BASED ON 4' LENGTH (RGBW WITH 83+ CRI AND 3500K SOURCE)

LENS OPTION	DELIVERED LUMENS (LM/FT)			SYSTEM WATTS (W/FT)			EFFICACY (LPW)		
DIRECT + INDIRECT	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL
	250	250	500	2.6	1.8	4.5	95	136	112
7500K	500	500	1000	5.4	3.8	9.2	93	134	110
3500K	750	750	1500	8.9	6.2	15.1	85	121	99
	1000	1000	2000	13.0	9.1	22.1	77	110	91

LUMINOUS INTENSITY	RGB	INTENSITY Min - Max (mcd)
PER LED	RED	355 - 805
	GREEN	710 - 1400
	BLUE	140 - 355

PHOTOMETRY BASED ON 4' LENGTH (83+ CRI AND 3500K SOURCE)





Submitted By

Catalog Number 3G-1PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60

2C S-4'

Туре

Notes

3G-1PLI-DI

1.5" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW

TECHNICAL

HOUSING

Extruded aluminum housing with narrow 1.5" aperture

Machined aluminum end caps add 1/4" to each end of luminaire

Individual units and continuous runs available in 1' increments

24-gauge LED reflector with high reflectance white powder coated finish

Standard polyester powder coated matte white finish.

Optional finishes available

OPTICS

Extruded, satin acrylic lens designed for optimal performance and glare control. Up to 8' continuous

High performance widespread and asymmetric optics available

Widespread Optic peak intensity at 120° with optimal distance at 12" from ceiling

Luminaires are pre-wired with factory installed quick connects and branch circuit wiring

Standard 0-10V, constant current drivers with 100-0.1% dimming range and >0.9 power factor

eldoLED DALI driver option with 100-0.1% dimming range

eldoLED DMX driver option with 100-0% dimming range

Lutron T-series 2 channel tunable white driver option with 100-1% dimming range

All drivers are integral and easily accessible through luminaire aperture

4' length (direct distribution) for each integral emergency battery. 10W output for 90 minutes

LED SYSTEM FOR TUNABLE WHITE (TW)

Proprietary LED system with color consistency <3 SDCM

2700K-6500K CCT range

Standard 83+CRI. Optional 93+CRI. (R9 value of 56 for 93+CRI)

190 >60 000 hours

5 Year Warranty

LED SYSTEM FOR RGBW

Proprietary LED system with color consistency <3 SDCM

White LED available in 35K with 83+ CRI

L80 >72.000 hours

Red (335-805 mcd)

Green (710-1400 mcd)

Blue (140-355 mcd)

5 Year Warranty

MOUNTING

Toolless installation with 3G's proprietary mounting system

Internal, toolless joiner system (latch and hook) easily connects multiple sections together

LED reflectors remain within each fixture section during installation with 3G's click and lock spring system

Adjustable aircraft cable suspension with locking fasteners (60" length standard)

Standard, 18-gauge, 5 conductor single circuit power feed (clear braided finish)

All mounting canopies provided in white finish as standard

Suitable for various architectural ceilings (see mounting details)

Fixture weight: +/- 2.5 lb/ft

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





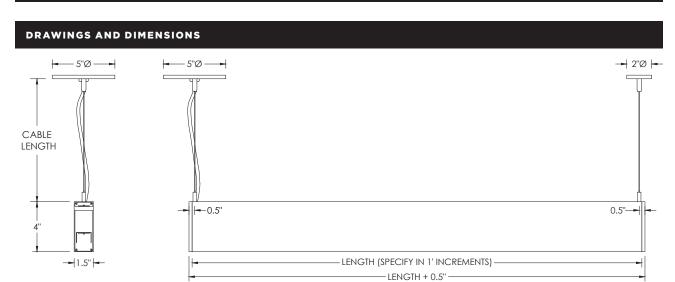
Submitted By 16500, INC

Catalog Number 3G-1PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'

Notes

3G LIGHTING

3G-1PLI-DI1.5" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW



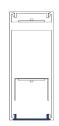
LENS OPTION

DIRECT LENS OPTION

INDIRECT LENS OPTION



FL - FLUSH



DASY - ASYMMETRIC



FL - FLUSH

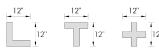




Туре

PATTERNS

Specify pattern shape and overall dimensions as shown below. Available in 1' increments only Patterns are connected with fully illuminated 12"x12" L, T, and X-shaped sections



WSO - WIDESPREAD ASY - ASYMMETRIC

L-SHAPE	U-SHAPE	RECTANGLE/SQUARE	T-SHAPE	X-SHAPE
Provide dimensions of AxB Example: L - 6'x8'	Provide dimensions of AxBxC Example: U - 8'x10'x6'	Provide dimensions of AxB Example: R - 10'x8'	Provide dimensions of AxB Example: T - 14'x6'	Provide dimensions of AxB Example: X - 14'x14'



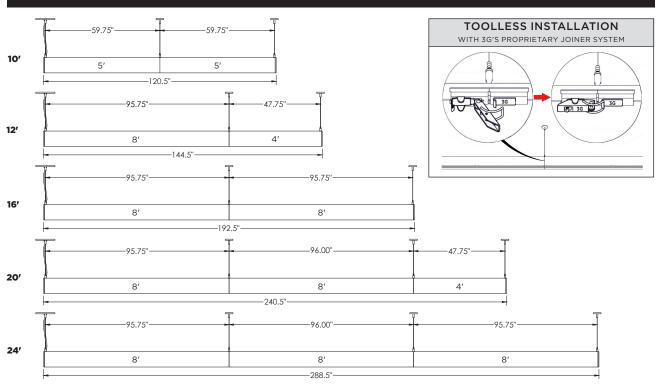
Submitted By 16500, INC Catalog Number 3G-1PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4' Туре

Notes

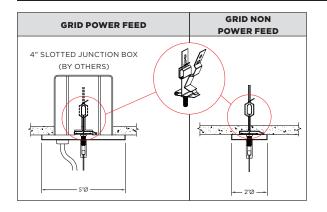
3G LIGHTING

3G-1PLI-DI1.5" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW

TYPICAL SECTION MOUNTING (AVAILABLE IN 1' INCREMENTS AS STANDARD)



MOUNTING DETAILS



DRYWALL POWER FEED	DRYWALL NON POWER FEED
OCTAGON JUNCTION BOX (BY OTHERS)	
500	- 70 -





Submitted By 16500, INC Catalog Number 3G-2PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60

2C S-4'

Notes

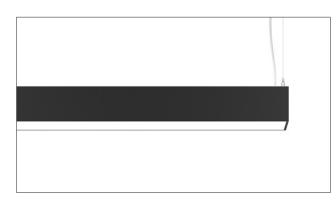
Туре



3G-2PLI-DI

2" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW

Narrow 2" aperture with one piece extruded aluminum housing Individual or continuous runs available in multiple run configurations Direct/Indirect distribution with multiple lumen output options LED system with performance up to 141 lumens per watt Extruded acrylic lens available in flush, 1" and 2" drop lens options Widespread and asymmetric optics available 1% dimming standard with several integral driver options







ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT (DIRECT)	LUMEN OUTPUT (INDIRECT)	CRI
3G-2PLI-DI	TW - TUNABLE WHITE (2700K-6500K) RGBW - INFINITE COLOUR 1 (3500K WHITE)	L500 -MEDIUM OUTPUT (500 LM/FT) L750 -HIGH OUTPUT (750 LM/FT) L1000 -VERY HIGH OUTPUT (1000 LM/FT) LCCUSTOM OUTPUT (SPECIFY LM/FT)	L250 -LOW OUTPUT (250 LM/FT) 2 L500 -MEDIUM OUTPUT (500 LM/FT) L750 -HIGH OUTPUT (750 LM/FT) L1000 -VERY HIGH OUTPUT (1000 LM/FT) 3 LC -CUSTOM OUTPUT (SPECIFY LM/FT) 4 *Specify custom lumen outputs in 50lm increments (ie: LC600, LC650, LC700) Custom output cannot exceed LC1000 Lumen outputs suitable for white LED source only	S80 - 83+ CRI H90 - 93+ CRI ¹
VOLTAGE	DRIVER	LENS OPTION (DIRECT)	LENS OPTION (INDIRECT)	FINISH
UNV - 120-277V	DO1 - 0-10V (100-0.1%) DALI - DALI (eldoLED, 100-1%) DMX - DMX (eldoLED, 100-1%) DHLT - LUTRON SERIES (100 (2 CHANNEL TUNABLE)	DD2 -2" DROP LENS DASY - ASYMMETRIC OPTIC 1	FL -FLUSH WSO - WIDESPREAD OPTIC ¹ ASY - ASYMMETRIC OPTIC ^{1,3}	WH - WHITE SV - SILVER BK - BLACK All mounting canopies provided in white as standard
CABLE LENGTH	CIRCUITING	OPTIONS	LENGTH (FEET)	
60 - 60" 120 - 120"	1C -1 CIRCUIT 2C - 2 CIRCUIT	EMB - INTEGRAL EMERGENCY BATTERY (4' SECTION ONLY) EMC - EMERGENCY CIRCUIT 4	S' (STRAIGHT RUN)* L'X' (L-SHAPE) U'X' (Y-SHAPE) R'X' (RECTANGLE/SQUAF) T'X' (T-SHAPE) X'X' (X-SHAPE) CUS (CUSTOM LAYOUT - PROVIDE) * Individual units available in 1', 3', 4', 5', 6', 6', Continuous runs available in 1' increments	E DRAWING)

- 1 RGBW LED source available with S80 (83 +CRI) and DMX driver option only. Not available with widespread, asymmetric, or EM options
- 2 L250 (250LM/FT) not available in 2' and 3' lengths. Specify LC400 for 2' and 3' fixture lengths when outputs lower than 500LM/FT are required
- 3 L1000 (1000LM/FT) not available for H90 (93+ CRI) or indirect asymmetric option
- 4 EMB (emergency battery) and EMC (emergency circuit) options available for tunable white LED source only. Not available with RGBW

3G - Tunable White







Submitted By 16500, INC Catalog Number 3G-2PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'

Туре

Notes

3G LIGHTING **3G-2PLI-DI** 2" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW

PERFORMANCE CHART BASED ON 4' LENGTH WITH FLUSH LENS (TUNABLE WHITE AND 83+ CRI)

LENS OPTION	DEI	DELIVERED LUMENS (LM/FT)			SYSTEM WATTS (W/FT)				EFFICACY (LPW)	
DIRECT + INDIRECT	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL	
	250	250	500	2.3	1.6	3.9	104	148	123	
Noor	500	500	1000	4.6	3.5	8.1	100	143	118	
2700K	750	750	1500	7.0	5.0	12.0	99	142	117	
	1000	1000	2000	9.7	6.9	16.6	98	140	116	
	250	250	500	2.3	1.6	3.9	111	159	131	
75001/	500	500	1000	4.6	3.5	8.1	108	158	130	
3500K	750	750	1500	7.0	5.0	12.0	105	152	124	
	1000	1000	2000	9.7	6.9	16.6	102	146	120	
	250	250	500	2.3	1.6	3.9	119	171	141	
	500	500	1000	4.6	3.5	8.1	118	170	141	
6500K	750	750	1500	7.0	5.0	12.1	113	163	134	
	1000	1000	2000	9.7	6.9	16.6	107	153	126	
EFFICACY (I DW)	CPI	Multiplier								

EFFICACY (LPW)	CRI	Multiplier	
ADJUSTMENT FACTOR	93+	0.88	



Submitted By 16500, INC Catalog Number 3G-2PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'

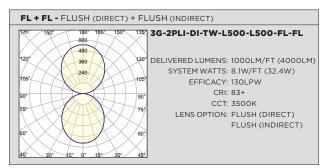
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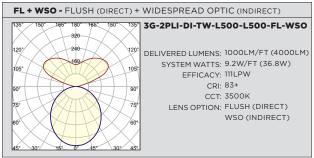
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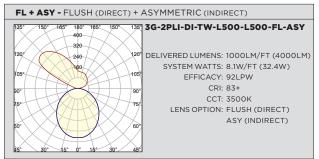
3G LIGHTING

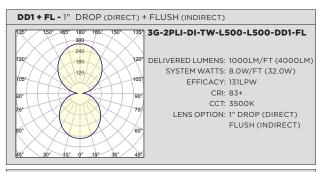
3G-2PLI-DI2" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW

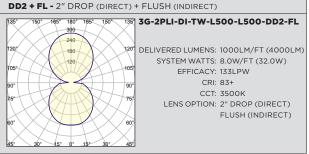
PHOTOMETRY BASED ON 4' LENGTH (83+ CRI AND 3500K SOURCE)

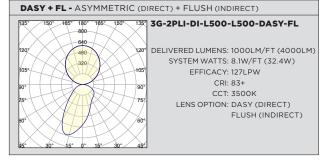














Submitted By 16500, INC Catalog Number 3G-2PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4' Туре

Notes

3G LIGHTING **3G-2PLI-DI**2" LINEAR PENDANT
DIRECT/INDIRECT
TUNABLE WHITE & RGBW

PERFORMANCE CHART BASED ON 4' LENGTH (RGBW WITH 83+ CRI AND 3500K SOURCE)

LENS OPTION	DELIVERED LUMENS (LM/FT)		SYSTEM WATTS (W/FT)			EFFICACY (LPW)			
DIRECT + INDIRECT	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL
	250	250	500	2.1	1.5	3.6	119	170	140
3500K	500	500	1000	4.3	3.0	7.4	117	168	138
3500K	750	750	1500	7.0	4.9	11.9	107	153	126
	1000	1000	2000	10.3	7.2	17.4	98	140	115

LUMINOUS INTENSITY	RGB	INTENSITY Min - Max (mcd)
PER LED	RED	355 - 805
	GREEN	710 - 1400
	BLUE	140 - 355



Submitted By 16500, INC Catalog Number 3G-2PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'

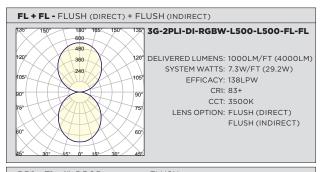
Туре

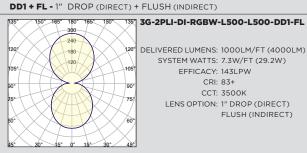
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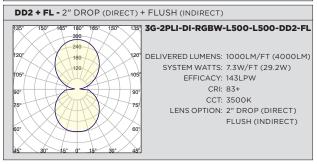
3G

3G-2PLI-DI2" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW

PHOTOMETRY BASED ON 4' LENGTH (83+ CRI AND 3500K SOURCE)









Submitted By

Catalog Number 3G-2PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'

Туре

Notes

3G-2PLI-DI

2" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW

TECHNICAL

HOUSING

Extruded aluminum housing with narrow 2" aperture

Machined aluminum end caps add 1/4" to each end of luminaire

Individual units and continuous runs available in 1' increments

24-gauge LED reflector with high reflectance white powder coated finish

Standard polyester powder coated matte white finish

Optional finishes available

OPTICS

Extruded, satin acrylic lens designed for optimal performance and glare control. Up to 8' continuous

Lens options include flush, 1" and 2" drops with illuminated end caps for all drop lenses

High performance widespread and asymmetric optics available

Widespread Optic peak intensity at 120° with optimal distance at 12" from ceiling

ELECTRICAL

Luminaires are pre-wired with factory installed quick connects and branch circuit wiring

Standard 0-10V, constant current drivers with 100-0.1% dimming range and >0.9 power factor

eldoLED DALI driver option with 100-0.1% dimming range

eldoLED DMX driver option with 100-0% dimming range

Lutron T-series 2 channel tunable white driver option with 100-1% dimming range

All drivers are integral and easily accessible through luminaire aperture

4' length (direct distribution) for each integral emergency battery. 10W output for 90 minutes

LED SYSTEM FOR TUNABLE WHITE (TW)

Proprietary LED system with color consistency <3 SDCM

2700K-6500K CCT range

Standard 83+CRI. Optional 93+CRI. (R9 value of 56 for 93+CRI)

L90 >60,000 hours

5 Year Warranty

LED SYSTEM FOR RGBW

Proprietary LED system with color consistency <3 SDCM

White LED available in 35K with 83+ CRI

L80 >72,000 hours

Red (335-805 mcd)

Green (710-1400 mcd)

Blue (140-355 mcd)

5 Year Warranty

MOUNTING

Toolless installation with 3G's proprietary mounting system

Internal, toolless joiner system (latch and hook) easily connects multiple sections together

LED reflectors remain within each fixture section during installation with 3G's click and lock spring system

Adjustable aircraft cable suspension with locking fasteners (60" length standard)

Standard, 18-gauge, 5 conductor single circuit power feed (clear braided finish)

All mounting canopies provided in white finish as standard

Suitable for various architectural ceilings (see mounting details)

Fixture weight: +/- 2.5 lb/ft

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





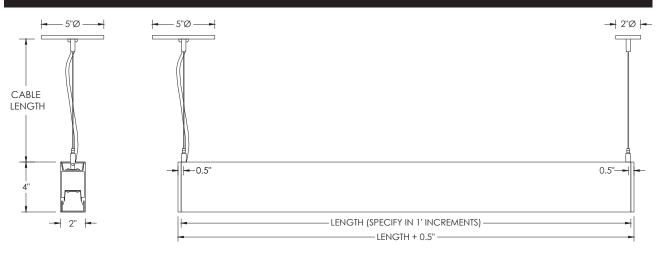
Submitted By 16500, INC Catalog Number 3G-2PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'

Туре

Notes

3G LIGHTING **3G-2PLI-DI**2" LINEAR PENDANT
DIRECT/INDIRECT
TUNABLE WHITE & RGBW

DRAWINGS AND DIMENSIONS



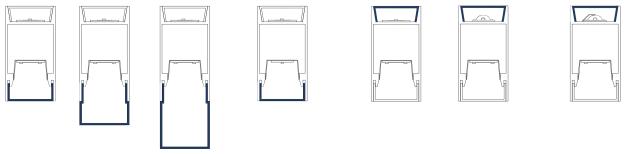
LENS OPTION

DIRECT LENS OPTION

INDIRECT LENS OPTION

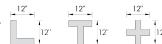
FL - FLUSH DD1 - 1" DROP DD2 - 2" DROP DASY - ASYMMETRIC





PATTERNS

Specify pattern shape and overall dimensions as shown below. Available in 1' increments only Patterns are connected with fully illuminated 12"x12" L, T, and X-shaped sections



L-SHAPE	U-SHAPE	RECTANGLE/SQUARE	T-SHAPE	X-SHAPE
Provide dimensions of AxB Example: L - 6'x8'	Provide dimensions of AxBxC Example: U - 8'x10'x6'	Provide dimensions of AxB Example: R - 10'x8'	Provide dimensions of AxB Example: T - 14'x6'	Provide dimensions of AxB Example: X - 14'x14'



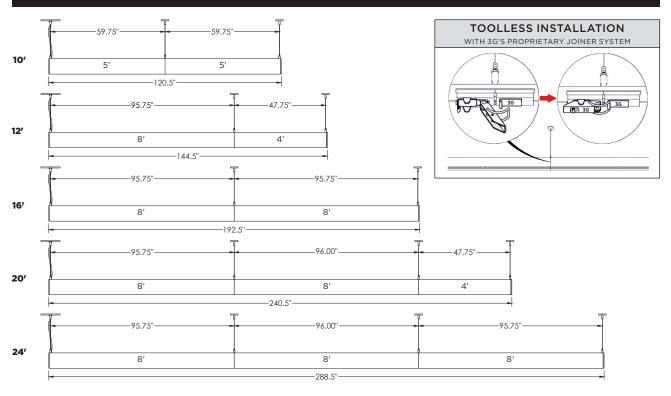
Submitted By 16500, INC

Catalog Number 3G-2PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4' Туре

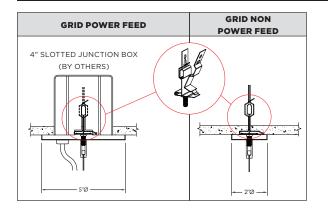
Notes

3G LIGHTING **3G-2PLI-DI**2" LINEAR PENDANT
DIRECT/INDIRECT
TUNABLE WHITE & RGBW

TYPICAL SECTION MOUNTING (AVAILABLE IN 1' INCREMENTS AS STANDARD)



MOUNTING DETAILS



DRYWALL POWER FEED	DRYWALL NON POWER FEED
OCTAGON JUNCTION BOX (BY OTHERS)	
500	- 20 -





Submitted By 16500, INC Catalog Number 3G-4PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'

Notes

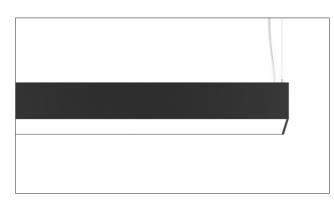
Type



3G-4PLI-DI

3.5" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW

3.5" aperture with one piece extruded aluminum housing Individual or continuous runs available in multiple run configurations Direct/Indirect distribution with multiple lumen output options LED system with performance up to 156 lumens per watt Extruded acrylic lens available in flush, 1" and 2" drop lens options Widespread and asymmetric optics available 1% dimming standard with several integral driver options







ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT (DIRECT)	LUMEN OUTPUT (INDIRECT)	CRI
3G-4PLI-DI	TW - TUNABLE WHITE (2700K-6500K) RGBW - INFINITE COLOUR 1 (3500K WHITE)	L250 -LOW OUTPUT (250 LM/FT) ² L500 -MEDIUM OUTPUT (500 LM/FT) L750 -HIGH OUTPUT (750 LM/FT) L1000 - VERY HIGH OUTPUT (1000 LM/FT) ³ LCCUSTOM OUTPUT (SPECIFY LM/FT) [*] *Specify custom lumen outputs in 50 lm increments (ie: LC600, LC650, LC700) Custom output cannot exceed LC1000 Lumen outputs suitable for white LED source only	L250 -LOW OUTPUT (250 LM/FT) 2 L500 -MEDIUM OUTPUT (500 LM/FT) L750 -HIGH OUTPUT (750 LM/FT) L1000 - VERY HIGH OUTPUT (1000 LM/FT) 3 LC CUSTOM OUTPUT (SPECIFY LM/FT) 4 *Specify custom lumen outputs in 50lm increments (ie: LC600, LC650, LC700) Custom output cannot exceed LC1000 Lumen outputs suitable for white LED source only	
VOLTAGE	DRIVER	LENS OPTION (DIRECT)	LENS OPTION (INDIRECT)	FINISH
UNV - 120-277V	DO1 - 0-10V (100-0.1%) DALI - DALI (eldoLED, 100-1%) DMX - DMX (eldoLED, 100-1%) DHLT - LUTRON SERIES (100 (2 CHANNEL TUNABLE	DD2 -2" DROP LENS DASY - ASYMMETRIC OPTIC 1	FL -FLUSH WSO - WIDESPREAD OPTIC 1 ASY - ASYMMETRIC OPTIC 1,3	WH - WHITE SV - SILVER BK - BLACK All mounting canopies provided in white as standard
CABLE LENGTH	CIRCUITING	OPTIONS	LENGTH (FEET)	
60 - 60" 120 - 120"	1C -1 CIRCUIT 2C - 2 CIRCUIT	EMB - INTEGRAL EMERGENCY BATTERY (4' SECTION ONLY EMC - EMERGENCY CIRCUIT 4	S'(STRAIGHT RUN)* L'X'(L-SHAPE) U'X'(Y-SHAPE) R'X'(RECTANGLE/SQUA) T'X'(T-SHAPE) X'X'(X-SHAPE) CUS(CUSTOM LAYOUT - PROVIDION	E DRAWING)

- 1 RGBW LED source available with S80 (83 +CRI) and DMX driver option only. Not available with widespread, asymmetric, or EM options
- 2 L250 (250LM/FT) not available in 2' and 3' lengths. Specify LC400 for 2' and 3' fixture lengths when outputs lower than 500LM/FT are required
- 3 L1000 (1000LM/FT) not available for H90 (93+ CRI) or indirect asymmetric option
- 4 EMB (emergency battery) and EMC (emergency circuit) options available for tunable white LED source only. Not available with RGBW

3G - Tunable White









Submitted By 16500, INC Catalog Number 3G-4PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4' Туре

Notes

3G LIGHTING **3G-4PLI-DI**3.5" LINEAR PENDANT
DIRECT/INDIRECT
TUNABLE WHITE & RGBW

PERFORMANCE CHART BASED ON 4' LENGTH WITH FLUSH LENS (TUNABLE WHITE AND 83+ CRI)

LENS OPTION	DELIVERED LUMENS (LM/FT)		!	SYSTEM WATTS (W/FT)		EFFICACY (LPW)			
DIRECT + INDIRECT	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL
	250	250	500	1.9	1.3	3.2	126	162	141
27001/	500	500	1000	3.8	3.0	6.8	121	158	137
2700K	750	750	1500	5.8	4.3	10.1	119	157	135
	1000	1000	2000	8.0	6.2	14.2	118	155	134
	250	250	500	1.9	1.3	3.2	135	164	147
75001/	500	500	1000	3.8	3.0	6.8	130	161	144
3500K	750	750	1500	5.8	4.3	10.1	127	161	141
	1000	1000	2000	8.0	6.2	14.2	123	159	139
	250	250	500	1.9	1.3	3.2	147	169	156
6200V	500	500	1000	3.8	3.0	6.8	145	165	154
6500K	750	750	1500	5.8	4.3	10.1	138	166	150
	1000	1000	2000	8.0	6.2	14.2	132	164	146
EEEICACV (I DW)	CRI	Multiplier							

EFFICACY (LPW)	CRI	Multiplier	
ADJUSTMENT FACTOR	93+	0.88	



Submitted By 16500, INC

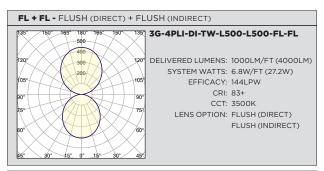
Catalog Number 3G-4PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'

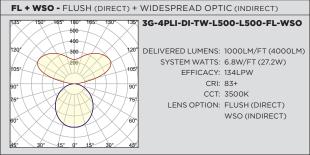
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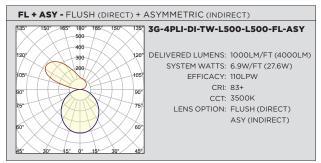
Туре

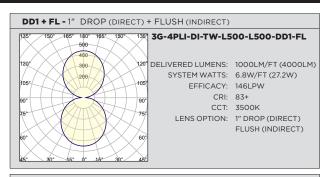
3G-4PLI-DI 3.5" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW

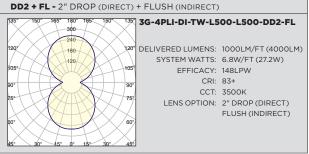
PHOTOMETRY BASED ON 4' LENGTH (83+ CRI AND 3500K SOURCE)

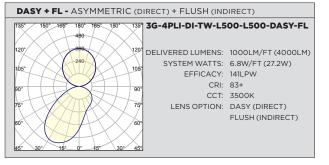














Submitted By 16500, INC Catalog Number 3G-4PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'

Notes

Туре

3G LIGHTING **3G-4PLI-DI**3.5" LINEAR PENDANT
DIRECT/INDIRECT
TUNABLE WHITE & RGBW

PERFORMANCE CHART BASED ON 4' LENGTH (RGBW WITH 83+ CRI AND 3500K SOURCE)

LENS OPTION	DELIVERED LUMENS (LM/FT)		SYSTEM WATTS (W/FT)			EFFICACY (LPW)			
DIRECT + INDIRECT	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL
	250	250	500	2.2	2.2	4.4	119	139	129
3500K	500	500	1000	4.6	4.6	9.2	113	138	125
3500K	750	750	1500	7.8	7.8	15.6	96	133	114
	1000	1000	2000	11.3	11.3	22.6	89	127	104

LUMINOUS INTENSITY	RGB	INTENSITY Min - Max (mcd)
PER LED	RED	355 - 805
	GREEN	710 - 1400
	BLUE	140 - 355



Submitted By 16500, INC Catalog Number 3G-4PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'

Notes

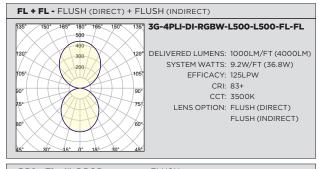
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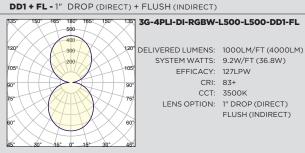
3C LIGHTING

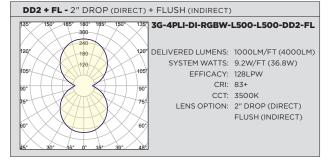
3G-4PLI-DI

3.5" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW

DRAWINGS AND DIMENSIONS









Submitted By 16500, INC

Catalog Number 3G-4PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'

Туре

Notes

3G LIGHTING

3G-4PLI-DI

3.5" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW

TECHNICAL

HOUSING

Extruded aluminum housing with 3.5" aperture

Machined aluminum end caps add 1/4" to each end of luminaire

Individual units and continuous runs available in 1' increments

24-gauge LED reflector with high reflectance white powder coated finish

Standard polyester powder coated matte white finish

Optional finishes available

OPTICS

Extruded, satin acrylic lens designed for optimal performance and glare control. Up to 8' continuous

Lens options include flush, 1" and 2" drops with illuminated end caps for all drop lenses

High performance widespread and asymmetric optics available

Widespread Optic peak intensity at 120° with optimal distance at 12" from ceiling

ELECTRICAL

Luminaires are pre-wired with factory installed quick connects and branch circuit wiring

Standard 0-10V, constant current drivers with 100-0.1% dimming range and >0.9 power factor

eldoLED DALI driver option with 100-0.1% dimming range

eldoLED DMX driver option with 100-0% dimming range

Lutron T-series 2 channel tunable white driver option with 100-1% dimming range

All drivers are integral and easily accessible through luminaire aperture

4' length (direct distribution) for each integral emergency battery. 10W output for 90 minutes

LED SYSTEM FOR TUNABLE WHITE (TW)

Proprietary LED system with color consistency <3 SDCM

2700K-6500K CCT range

Standard 83+CRI. Optional 93+CRI. (R9 value of 56 for 93+CRI)

L90 >60,000 hours

5 Year Warranty

LED SYSTEM FOR RGBW

Proprietary LED system with color consistency <3 SDCM

White LED available in 35K with 83+ CRI

L80 >72,000 hours

Red (335-805 mcd)

Green (710-1400 mcd)

Blue (140-355 mcd)

5 Year Warranty

MOUNTING

Toolless installation with 3G's proprietary mounting system

Internal, toolless joiner system (latch and hook) easily connects multiple sections together

LED reflectors remain within each fixture section during installation with 3G's click and lock spring system

Adjustable aircraft cable suspension with locking fasteners (60" length standard)

Standard, 18-gauge, 5 conductor single circuit power feed (clear braided finish)

All mounting canopies provided in white finish as standard

Suitable for various architectural ceilings (see mounting details)

Fixture weight: +/- 3 lb/ft

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC

Catalog Number 3G-4PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4'

Туре

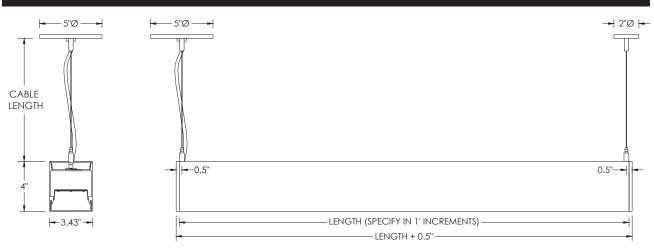
Notes

3G LIGHTING

3G-4PLI-DI

3.5" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW

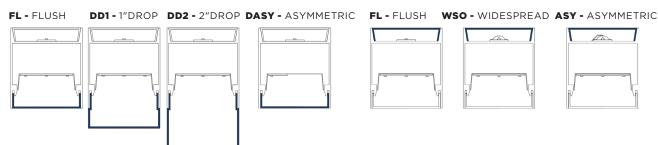
DRAWINGS AND DIMENSIONS



LENS OPTION

DIRECT LENS OPTION

INDIRECT LENS OPTION



PATTERNS

Specify pattern shape and overall dimensions as shown below. Available in 1' increments only Patterns are connected with fully illuminated 12"x12" L, T, and X-shaped sections



L-SHAPE	U-SHAPE	RECTANGLE/SQUARE	T-SHAPE	X-SHAPE
Provide dimensions of AxB Example: L - 6'x8'	Provide dimensions of AxBxC Example: U - 8'x10'x6'	Provide dimensions of AxB Example: R - 10'x8'	Provide dimensions of AxB Example: T - 14'x6'	Provide dimensions of AxB Example: X - 14'x14'



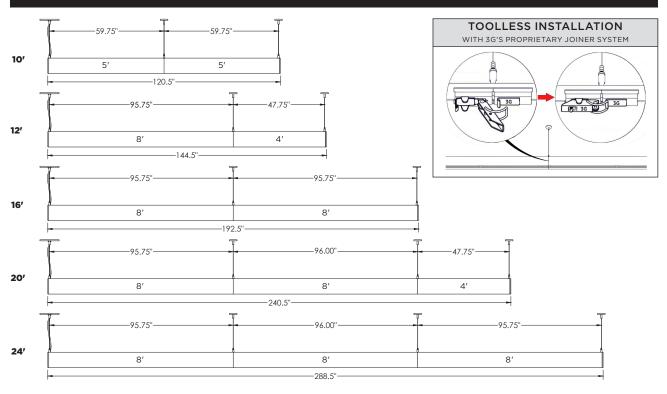
Submitted By 16500, INC Catalog Number 3G-4PLI-DI TW L1000 L1000 H90 UNV DMX FL FL WH 60 2C S-4' Туре

Notes

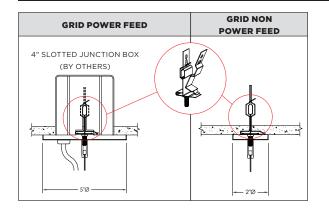
3G LIGHTING

3G-4PLI-DI 3.5" LINEAR PENDANT DIRECT/INDIRECT TUNABLE WHITE & RGBW

TYPICAL SECTION MOUNTING (AVAILABLE IN 1' INCREMENTS AS STANDARD)



MOUNTING DETAILS



DRYWALL POWER FEED	DRYWALL NON POWER FEED
OCTAGON JUNCTION BOX (BY OTHERS)	
50	- 20 -





Submitted By 16500, INC Catalog Number

3G-RC1M5 TW 12 H90 40D UNV DMX WT WG WH NC

Notes

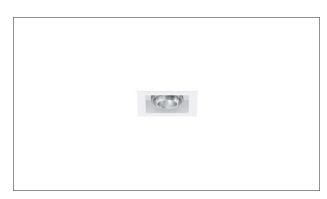
Туре



3G-RC1M5

1 LIGHT MINI MADISON DYNAMIC WHITE

New construction, shallow housing, and IC housing options available Trim fixture designed to conceal internal hardware Trimless fixture features a proprietary aluminum mudding flange Machined aluminum double gimbal. Adjustable and lockable 1.95" Regressed LED source for enhanced glare control Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) 1% dimming standard with several integral driver options







ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-RC1M5	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE ¹ (2700K-6500K)	08 - 800 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	20D - 20° ² 40D - 40° 60D - 60° 90D - 90° *	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)

DRIVER	FLANGE TYPE	GIMBAL FINISH	HOUSING INTERIOR
DIM - 0-10V (STANDARD 100-1%)	WT - WHITE (STANDARD)	NG - NATURAL ALUMINUM	BK - BLACK (STANDARD)
LE - PHASE DIMMING 3	ST - SILVER	BG - BLACK	WH-WHITE
(TRIAC/ELV, 100-1%)	BT - BLACK	WG - WHITE	CF - CUSTOM
LTEA - LUTRON HI-LUME LTEA 3 (FWD PHASE, 100-1%)	CT - CUSTOM		
D01 - 0-10V (eldoLED, 100-0.1%) ¹	XTR - TRIMLESS		
DALI - DALI (eldoLED ,100-1%) 1,4			
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)			
DMX - DMX (eldoLED, 100-0%) 1			

HOUSING TYPE	OPTIONS
NC - NEW CONSTRUCTION (NON-IC)	BH - C-CHANNEL BAR HANGERS
IC - IC HOUSING	CP - CHICAGO PLENUM
SH - SHALLOW HOUSING (IC RATED - BLACK ONLY)	EMR - EMERGENCY BATTERY (REMOTE) 5
	HXB50 - BLACK HEXCELL LOUVER
	LS50 - LINEAR SPREAD LENS
	PM50 - PRISMATIC LENS
	SF50 - SOFTENING LENS
	Maximum 2 optical accessories. See optical accessories page for more options

- 1 Tunable White option available with D01, DALI and DMX drivers
- 2 20D reflector available with 800 lumen output only
- 3 Phase dimming options available in 120V only
- 4 DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options
- 5 Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim

3G - Tunable White

MAY 26, 2020





Submitted By 16500, INC Catalog Number 3G-RC1M5 TW 12 H90 40D UNV DMX WT WG WH NC Туре

Notes

3G LIGHTING

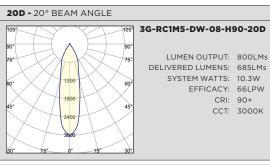
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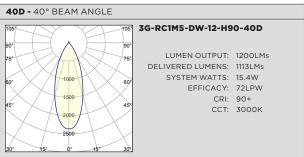
1 LIGHT MINI MADISON DYNAMIC WHITE

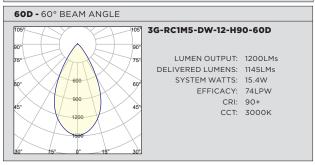
PERFORMANCE CHART BASED ON 60° BEAM AND 3000K SOURCE

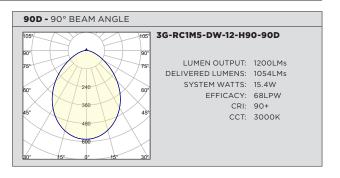
DIM TO WARM	90+ CRI (3000K)					
DIM TO WARM LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)			
800LMs	N/A	N/A	N/A			
1200LMs	1145	15.4	74			
2000LMs	1611	23.2	69			

PHOTOMETRY











Submitted By 16500, INC Catalog Number 3G-RC1M5 TW 12 H90 40D UNV DMX WT WG WH NC

Notes

I NC

3G LIGHTING

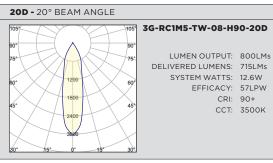
3G-RC1M5

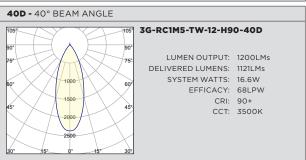
1 LIGHT MINI MADISON DYNAMIC WHITE

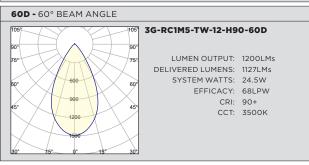
PERFORMANCE CHART BASED ON 60° BEAM ANGLE

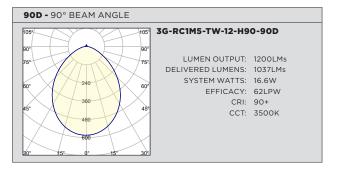
TUNABLE WHITE	90	0+ CRI (2700I	K)	90+ CRI (3500K)			90+ CRI (6500K)		
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1076	16.6	65	1127	16.6	68	1266	16.6	76
2000LMs	1523	24.5	62	1558	24.5	64	1824	24.5	74

PHOTOMETRY











Submitted By

Catalog Number 3G-RC1M5 TW 12 H90 40D UNV DMX WT WG WH NC

10

Туре

Notes

3G LIGHTING

3G-RC1M5

1 LIGHT MINI MADISON DYNAMIC WHITE

TECHNICAL

HOUSING

New construction, shallow housing and IC housing options available

Housing fabricated in cold rolled steel. Standard black powder coated finish

Maximum ceiling thickness of 1". Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housings are rated for #12 AWG, (4 in, 4 out), 90°C conductors and through branch wiring

TRIM

Features a 3/4" removable trim assembly designed to conceal inner hardware

TRIMLESS

Aluminum mudding flange features a unique reveal that emulates drywall

Integral aluminum blocking support provided to ensure fixture is properly secured within ceiling structure

ADJUSTABILITY

Solid aluminum 50mm double gimbal with dual axis adjustability

Each double gimbal can be locked in place

OPTICS

Regressed LED source for enhanced glare control

 $\label{proprietary} \mbox{ anodized, aluminum reflectors are field replaceable}$

Available in 20°, 40°, 60°, and 90°

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range $\,$

eldoLED 0-10V driver option available with 100-0.01% dimming range $\,$

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic ceiling tiles, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Butterfly brackets compatible with $1/2" \times 1/2"$ channel, 1/2", 5/8", 3/4" bar hanger, 1/2" EMT, and furring strips (supplied by others)

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-RC1M5 TW 12 H90 40D UNV DMX WT WG WH NC Туре

Notes

3G-RC1M5

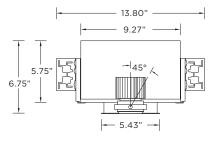
1 LIGHT MINI MADISON DYNAMIC WHITE

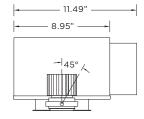
TRIM HOUSING OPTIONS

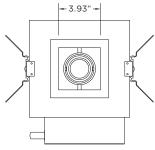
NC - New Construction (Non-IC)

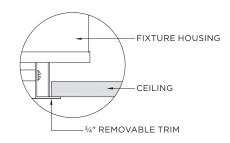
IC - IC Housing

CP - Chicago Plenum Housing

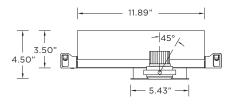


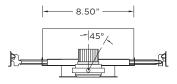


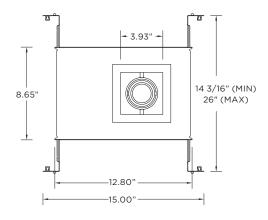


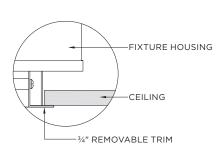


SH - Shallow Housing (IC Rated)











Submitted By 16500, INC Catalog Number 3G-RC1M5 TW 12 H90 40D UNV DMX WT WG WH NC

Туре

Notes

3G

3G-RC1M5

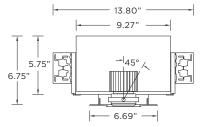
1 LIGHT MINI MADISON DYNAMIC WHITE

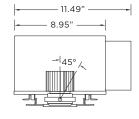
TRIMLESS HOUSING OPTIONS

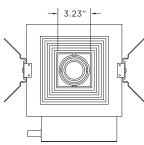
NC - New Construction (Non-IC)

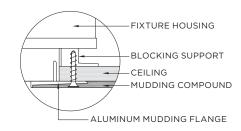
IC - IC Housing

CP - Chicago Plenum Housing

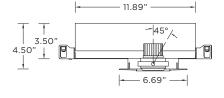


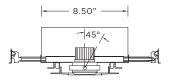


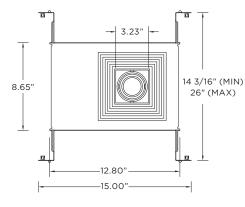


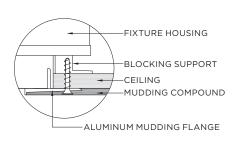


SH - Shallow Housing (IC rated)











Submitted By 16500, INC Catalog Number 3G-RC2M5 TW 20 H90 40D UNV DMX WT WG WH NC

Notes

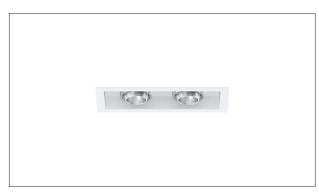
Туре



3G-RC2M5

2 LIGHT MINI MADISON DYNAMIC WHITE

New construction and IC housing options available Trim fixture designed to conceal internal hardware Trimless fixture features a proprietary aluminum mudding flange Machined aluminum double gimbal. Adjustable and lockable 1.95" Regressed LED source for enhanced glare control Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) 1% dimming standard with several integral driver options





ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-RC2M5	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE 1 (2700K-6500K)	08 - 800 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	20D - 20° ² 40D - 40° 60D - 60° 90D - 90° *	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)

DRIVER	FLANGE TYPE	GIMBAL FINISH	HOUSING INTERIOR
DIM - 0-10V (STANDARD 100-1%)	WT - WHITE (STANDARD)	NG - NATURAL ALUMINUM	BK - BLACK (STANDARD)
LE - PHASE DIMMING 3	ST - SILVER	BG - BLACK	WH-WHITE
(TRIAC/ELV, 100-1%)	BT - BLACK	WG - WHITE	CF - CUSTOM
LTEA - LUTRON HI-LUME LTEA 3 (FWD PHASE, 100-1%)	CT - CUSTOM		
D01 - 0-10V (eldoLED, 100-0.1%) ¹	XTR - TRIMLESS		
DALI - DALI (eldoLED ,100-1%) 1,4			
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)			
DMX - DMX (eldoLED, 100-0%) ¹			

HOUSING TYPE	OPTIONS
NC - NEW CONSTRUCTION (NON-IC)	BH - C-CHANNEL BAR HANGERS
IC - IC HOUSING	CP - CHICAGO PLENUM
SH - SHALLOW HOUSING (IC RATED - BLACK ONLY)	EMR - EMERGENCY BATTERY (REMOTE) 5
	HXB50 - BLACK HEXCELL LOUVER
	LS50 - LINEAR SPREAD LENS
	PM50 - PRISMATIC LENS
	SF50 - SOFTENING LENS
	Maximum 2 optical accessories. See optical accessories page for more options

- 1 Tunable White option available with DO1, DALI and DMX drivers
- 2 20D reflector available with 800 lumen output only
- 3 Phase dimming options available in 120V only
- 4 DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options
- 5 Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim

3G - Tunable White

MAY 26, 2020





Submitted By 16500, INC

Catalog Number 3G-RC2M5 TW 20 H90 40D UNV DMX WT WG WH NC

Notes

Туре



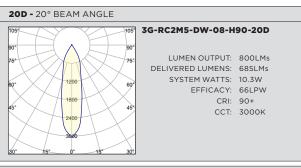
3G-RC2M5

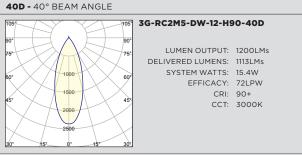
2 LIGHT MINI MADISON DYNAMIC WHITE

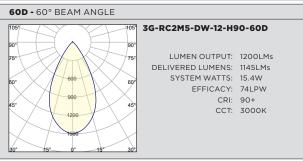
PERFORMANCE CHART BASED ON 60° BEAM AND 3000K SOURCE (PER FIXTURE HEAD)

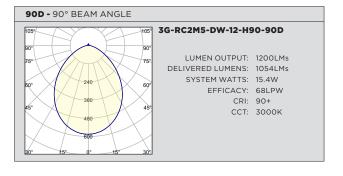
DIM TO WARM	90+ CRI (3000K)					
DIM TO WARM LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)			
800LMs	N/A	N/A	N/A			
1200LMs	1145	15.4	74			
2000LMs	1611	23.2	69			

PHOTOMETRY (PER FIXTURE HEAD)











Submitted By 16500, INC Catalog Number 3G-RC2M5 TW 20 H90 40D UNV DMX WT WG WH NC

Notes

Type NC

3G LIGHTING

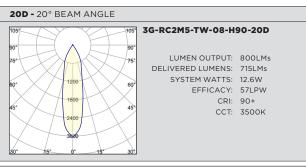
3G-RC2M5

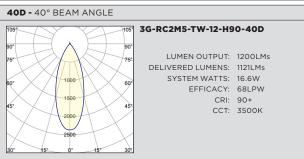
2 LIGHT MINI MADISON DYNAMIC WHITE

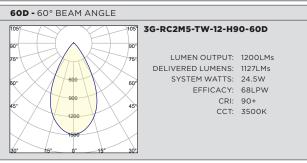
PERFORMANCE CHART BASED ON 60° BEAM ANGLE (PER FIXTURE HEAD)

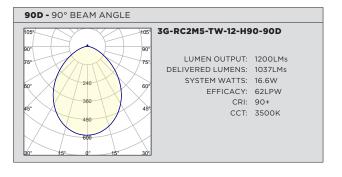
TUNABLE WHITE	9	0+ CRI (2700I	()	90+ CRI (3500K)		90+ CRI (6500K)			
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1076	16.6	65	1127	16.6	68	1266	16.6	76
2000LMs	1523	24.5	62	1558	24.5	64	1824	24.5	74

PHOTOMETRY (PER FIXTURE HEAD)











Submitted By

Catalog Number 3G-RC2M5 TW 20 H90 40D UNV DMX WT WG WH NC

Туре

Notes

3G LIGHTING

3G-RC2M5

2 LIGHT MINI MADISON DYNAMIC WHITE

TECHNICAL

HOUSING

New construction and IC housing options available

Housing fabricated in cold rolled steel. Standard black powder coated finish

Maximum ceiling thickness of 1". Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housings are rated for #12 AWG, (4 in, 4 out), 90°C conductors and through branch wiring

TRIM

Features a 3/4" removable trim assembly designed to conceal inner hardware

TRIMLESS

Aluminum mudding flange features a unique reveal that emulates drywall

Integral aluminum blocking support provided to ensure fixture is properly secured within ceiling structure

ADJUSTABILITY

Solid aluminum 50mm double gimbal with dual axis adjustability

Each double gimbal can be locked in place

OPTICS

Regressed LED source for enhanced glare control

Proprietary anodized, aluminum reflectors are field replaceable

Available in 20°, 40°, 60° and 90°

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range $\,$

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic ceiling tiles, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Butterfly brackets compatible with $1/2" \times 1/2"$ channel, 1/2", 5/8", 3/4" bar hanger, 1/2" EMT, and furring strips (supplied by others)

LISTING

ETL listed and tested to UL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number

Notes

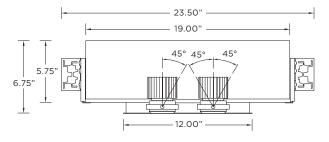
Туре 3G-RC2M5 TW 20 H90 40D UNV DMX WT WG WH NC

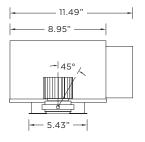
3G-RC2M5

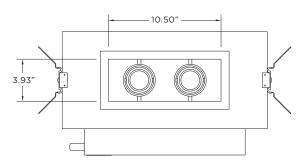
2 LIGHT MINI MADISON DYNAMIC WHITE

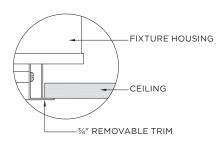
TRIM HOUSING

- NC New Construction (Non-IC)
- IC IC Housing
- **CP** Chicago Plenum Housing



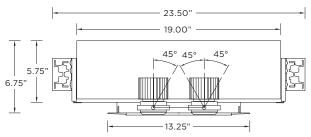


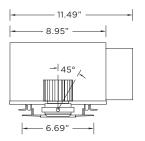


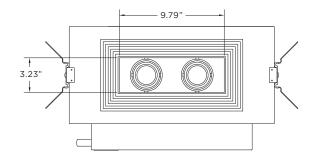


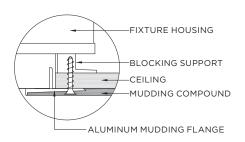
TRIMLESS HOUSING

- NC New Construction (Non-IC)
- IC IC Housing
- **CP** Chicago Plenum Housing











Submitted By 16500, INC Catalog Number 3G-RC3M5 TW 20 H90 40D UNV DMX WT WG WH NC

Notes



3G-RC3M5

3 LIGHT MINI MADISON DYNAMIC WHITE

New construction and IC housing options available Trim fixture designed to conceal internal hardware Trimless fixture features a proprietary aluminum mudding flange Machined aluminum double gimbal. Adjustable and lockable 1.95" Regressed LED source for enhanced glare control Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) 1% dimming standard with several integral driver options





Туре

ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-RC3M5	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE ¹ (2700K-6500K)	08 - 800 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	20D - 20° ² 40D - 40° 60D - 60° 90D - 90° *	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)

DRIVER	FLANGE TYPE	GIMBAL FINISH	HOUSING INTERIOR
DIM - 0-10V (STANDARD 100-1%)	WT - WHITE (STANDARD)	NG - NATURAL ALUMINUM	BK - BLACK (STANDARD)
LE - PHASE DIMMING 3	ST - SILVER	BG - BLACK	WH - WHITE
(TRIAC/ELV, 100-1%)	BT - BLACK	WG - WHITE	CF - CUSTOM
LTEA - LUTRON HI-LUME LTEA 3 (FWD PHASE, 100-1%)	CT - CUSTOM		
D01 - 0-10V (eldoLED, 100-0.1%) ¹	XTR - TRIMLESS		
DALI - DALI (eldoLED ,100-1%) 1,4			
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)			
DMX - DMX (eldoLED, 100-0%) ¹			

OPTIONS
BH - C-CHANNEL BAR HANGERS
CP - CHICAGO PLENUM
EMR - EMERGENCY BATTERY (REMOTE) 5
HXB50 - BLACK HEXCELL LOUVER
LS50 - LINEAR SPREAD LENS
PM50 - PRISMATIC LENS
SF50 - SOFTENING LENS
Maximum 2 optical accessories. See optical accessories page for more options

- 1 Tunable White option available with D01, DALI and DMX drivers
- 2 20D reflector available with 800 lumen output only
- 3 Phase dimming options available in 120V only
- 4 DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options
- 5 Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim

3G - Tunable White

MAY 26, 2020





Submitted By 16500, INC

Catalog Number 3G-RC3M5 TW 20 H90 40D UNV DMX WT WG WH NC Туре

Notes

3G LIGHTING

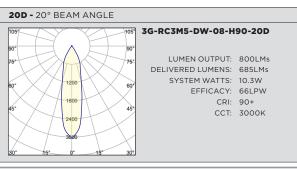
3G-RC3M5

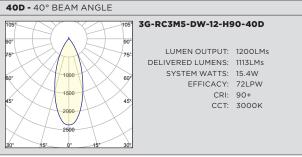
3 LIGHT MINI MADISON DYNAMIC WHITE

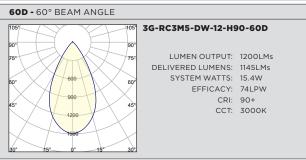
PERFORMANCE CHART BASED ON 60° BEAM AND 3000K SOURCE (PER FIXTURE HEAD)

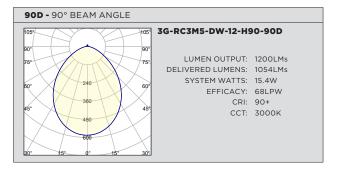
DIM TO WARM	90+ CRI (3000K)					
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)			
800LMs	N/A	N/A	N/A			
1200LMs	1145	15.4	74			
2000LMs	1611	23.2	69			

PHOTOMETRY (PER FIXTURE HEAD)











Submitted By 16500, INC Catalog Number 3G-RC3M5 TW 20 H90 40D UNV DMX WT WG WH NC

Notes

IC Type

3G LIGHTING

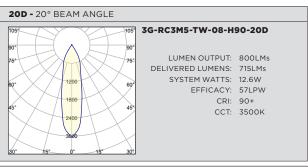
3G-RC3M5

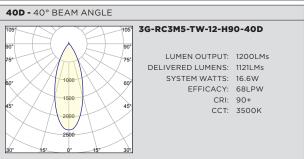
3 LIGHT MINI MADISON DYNAMIC WHITE

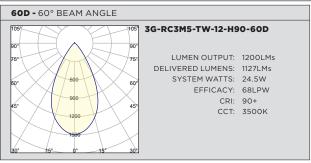
PERFORMANCE CHART BASED ON 60° BEAM ANGLE (PER FIXTURE HEAD)

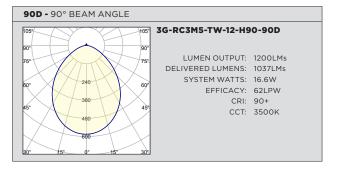
TUNABLE WHITE	90+ CRI (2700K)			90+ CRI (3500K)			90+ CRI (6500K)		
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1076	16.6	65	1127	16.6	68	1266	16.6	76
2000LMs	1523	24.5	62	1558	24.5	64	1824	24.5	74

PHOTOMETRY (PER FIXTURE HEAD)











Submitted By 16500, INC Catalog Number 3G-RC3M5 TW 20 H90 40D UNV DMX WT WG WH NC

Туре

Notes

3G LIGHTING

3G-RC3M5

3 LIGHT MINI MADISON DYNAMIC WHITE

TECHNICAL

HOUSING

New construction and IC housing options available

Housing fabricated in cold rolled steel. Standard black powder coated finish

Maximum ceiling thickness of 1". Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housings are rated for #12 AWG, (4 in, 4 out), 90°C conductors and through branch wiring

TRIM

Features a 3/4" removable trim assembly designed to conceal inner hardware

TRIMLESS

Aluminum mudding flange features a unique reveal that emulates drywall

Integral aluminum blocking support provided to ensure fixture is properly secured within ceiling structure

ADJUSTABILITY

Solid aluminum 50mm double gimbal with dual axis adjustability

Each double gimbal can be locked in place

OPTICS

Regressed LED source for enhanced glare control

Proprietary anodized, aluminum reflectors are field replaceable

Available in 20°, 40°, 60° and 90°

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range $\,$

 ${\tt eldoLED\ DALI\ and\ Lutron\ EcoSystem\ driver\ options\ available\ with\ 100-1\%\ dimming\ range}$

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic ceiling tiles, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Butterfly brackets compatible with 1/2" x 1/2" channel, 1/2", 5/8", 3/4" bar hanger, 1/2" EMT, and furring strips (supplied by others)

LISTING

ETL listed and tested to UL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number

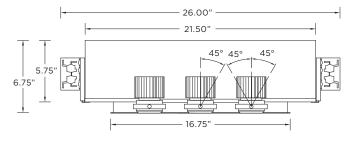
Туре 3G-RC3M5 TW 20 H90 40D UNV DMX WT WG WH NC Notes

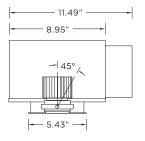
3G-RC3M5

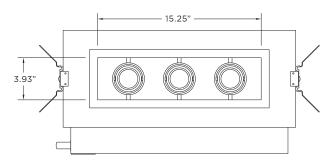
3 LIGHT MINI MADISON DYNAMIC WHITE

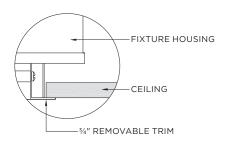
TRIM HOUSING

- NC New Construction (Non-IC)
- IC IC Housing
- **CP** Chicago Plenum Housing



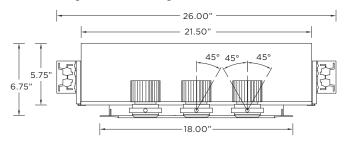


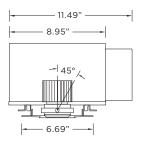


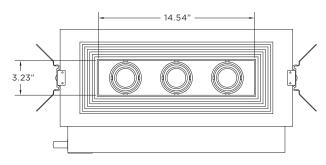


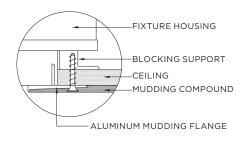
TRIMLESS HOUSING

- NC New Construction (Non-IC)
- IC IC Housing
- **CP** Chicago Plenum Housing











Submitted By 16500, INC Catalog Number 3G-RC1 TW 20 H90 40D UNV DMX WT WG WH IC

Notes

Туре



3G-RC1

1 LIGHT MADISON DYNAMIC WHITE

New construction housing with IC housing option available Trim fixture designed to conceal internal hardware Trimless fixture features a proprietary aluminum mudding flange Machined aluminum double gimbals. Adjustable and lockable 2.75" Regressed LED source for enhanced glare control Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) 1% dimming standard with several integral driver options





ORDERING INFORMATION

3G-RC1 DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE 1 (2700K-6500K) DW - DIM TO WARM (1800-3000K) 12 - 1200 LUMENS 20 - 2000 LUMENS 20 - 2000 LUMENS 40D - 40° 60D - 60° 90D - 90° *	CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
* 90D reflector supplied standard with lens	3G-RC1	(1800-3000K) TW - TUNABLE WHITE ¹	12 - 1200 LUMENS	H90 - 90+ CRI	20D - 20° 40D - 40° 60D - 60° 90D - 90° *	120 - 120V

DRIVER	FLANGE TYPE	GIMBAL FINISH	HOUSING INTERIOR
DIM - 0-10V (STANDARD 100-1%)	WT - WHITE TRIM (STANDARD)	NG - NATURAL ALUMINUM	BK - BLACK (STANDARD)
LE - PHASE DIMMING 3	ST - SILVER TRIM	BG - BLACK	WH - WHITE
(TRIAC/ELV, 100-1%)	BT - BLACK TRIM	WG - WHITE	CF - CUSTOM
LTEA - LUTRON HI-LUME LTEA 3 (FWD PHASE, 100-1%)	CT - CUSTOM		
D01 - 0-10V (eldoLED, 100-0.1%) ¹	XTR - TRIMLESS		
DALI - DALI (eldoLED, 100-1%) 1,4			
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)			
DMX - DMX (eldoLED, 100-0%) ¹			

HOUSING TYPE	OPTIONS
NC - NEW CONSTRUCTION (NON-IC)	CP - CHICAGO PLENUM
IC - IC HOUSING	BH - BAR HANGERS
	SF70 - SOFTENING LENS
	LS70 - LINEAR SPREAD
	HXB70 - BLACK HEXCELL LOUVER
	EMR - EMERGENCY BATTERY ⁵
	Maximum 3 optical accessories. See optical accessories page for more options

- 1 Tunable White option available with D01, DALI and DMX drivers
- 2 10D reflector available with 800 lumen output only 3 Phase dimming options available in 120V only
- 4 DALI-2 (Type 6) provided as standard, Please consult factory for DALI (Type 8) options
- 5 Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim

3G - Tunable White







Submitted By 16500, INC

Catalog Number 3G-RC1 TW 20 H90 40D UNV DMX WT WG WH IC Туре

Notes

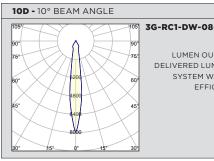
3G-RC1

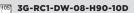
1 LIGHT MADISON DYNAMIC WHITE

PERFORMANCE CHART BASED ON 20° BEAM AND 3000K SOURCE

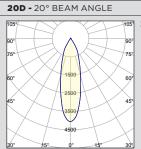
DIM TO WARM	90+ CRI (3000K)					
DIM TO WARM LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)			
800LMs	N/A	N/A	N/A			
1200LMs	1136	15.4	74			
2000LMs	1593	23.2	69			

PHOTOMETRY



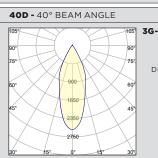


LUMEN OUTPUT: 800LMs DELIVERED LUMENS: 759LMs SYSTEM WATTS: 10.3W EFFICACY: 74LPW CRI: 90+ CCT: 3000K



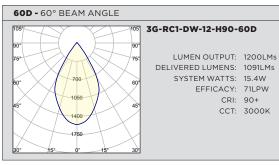
105 3G-RC1-DW-12-H90-20D

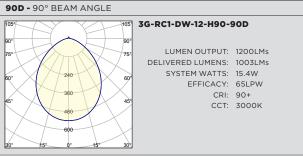
LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1136LMs SYSTEM WATTS: 15.4W EFFICACY: 74LPW CRI: 90+ CCT: 3000K



3G-RC1-DW-12-H90-40D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1064LMs SYSTEM WATTS: 15.4W EFFICACY: 69LPW CRI: 90+ CCT: 3000K







Submitted By 16500, INC

Catalog Number 3G-RC1 TW 20 H90 40D UNV DMX WT WG WH IC Туре

Notes

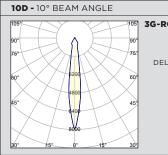
3G-RC1

1 LIGHT MADISON DYNAMIC WHITE

PERFORMANCE CHART BASED ON 20° BEAM

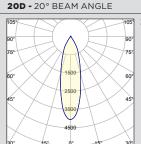
TUNA DI E WILLE	90+ CRI (2700K)			90+ CRI (3500K)			90+ CRI (6500K)		
TUNABLE WHITE LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1066	16.6	64	1091	16.6	66	1221	16.6	74
2000LMs	1491	24.5	61	1561	24.5	64	1684	24.5	69

PHOTOMETRY



3G-RC1-TW-08-H90-10D

LUMEN OUTPUT: 800LMs DELIVERED LUMENS: 789LMs SYSTEM WATTS: 12.6W EFFICACY: 63LPW CRI: 90+ CCT: 3500K



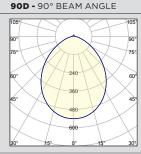
105 3G-RC1-TW-12-H90-20D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1091LMs SYSTEM WATTS: 24.5W EFFICACY: 66LPW CRI: 90+ CCT: 3500K



60D - 60° BEAM ANGLE

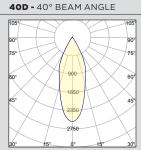
LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1110LMs SYSTEM WATTS: 24.5W EFFICACY: 67LPW 1050 CRI: 90+ CCT: 3500K



105 3G-RC1-TW-12-H90-90D

3G-RC1-TW-12-H90-60D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1022LMs SYSTEM WATTS: 24.5W EFFICACY: 62LPW CRI: 90+ CCT: 3500K



3G-RC1-TW-12-H90-40D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1027LMs SYSTEM WATTS: 24.5W EFFICACY: 62LPW CRI: 90+ CCT: 3500K



i unable white | Color i unin

Catalog Number

3G-RC1 TW 20 H90 40D UNV DMX WT WG WH IC

Туре

Notes

Submitted By 16500, INC



3G-RC1

1 LIGHT MADISON DYNAMIC WHITE

TECHNICAL

HOUSING

New construction housing with IC housing option available

Housing fabricated in cold rolled steel. Standard black powder coated finish

Maximum ceiling thickness of 1". Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housings are rated for #12 AWG, (4 in, 4 out), 90°C conductors and through branch wiring

TRIM

Features a 3/4" removable trim assembly designed to conceal inner hardware

TRIMLESS

Aluminum mudding flange features a unique reveal that emulates drywall

Integral aluminum blocking support provided to ensure fixture is properly secured within ceiling structure

ADJUSTABILITY

Solid aluminum double gimbal with dual axis adjustability

Each double gimbal can be locked in place

OPTICS

Regressed LED source for enhanced glare control

Proprietary anodized, aluminum reflectors are field replaceable (10° reflector not interchangeable)

Available in 10°, 20°, 40°, 60° and 90°

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range $\,$

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic ceiling tiles, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Butterfly brackets compatible with $1/2" \times 1/2"$ channel, 1/2", 5/8", 3/4" bar hanger, 1/2" EMT, and furring strips (supplied by others)

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-RC1 TW 20 H90 40D UNV DMX WT WG WH IC

Туре

Notes

3G-RC1

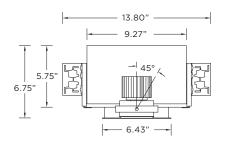
1 LIGHT MADISON DYNAMIC WHITE

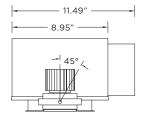
TRIM HOUSING OPTIONS

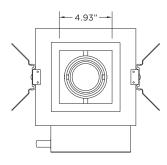
NC - New Construction (Non-IC)

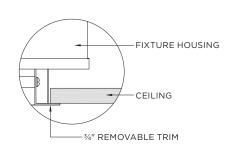
IC - IC Housing

CP - Chicago Plenum Housing





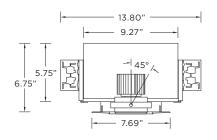


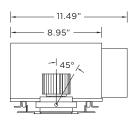


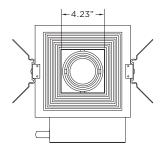
TRIMLESS HOUSING OPTIONS

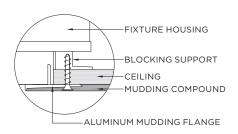
NC - New Construction (Non-IC)

IC - IC Housing
CP - Chicago Plenum Housing











Submitted By 16500, INC Catalog Number 3G-RC2 TW 20 H90 40D UNV DMX WT WG WH IC

Notes

Туре



3G-RC2

2 LIGHT MADISON DYNAMIC WHITE

New construction housing with IC housing option available Trim fixture designed to conceal internal hardware Trimless fixture features a proprietary aluminum mudding flange Machined aluminum double gimbals. Adjustable and lockable 2.75" Regressed LED source for enhanced glare control Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) 1% dimming standard with several integral driver options





ORDERING INFORMATION

3G-RC2 DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE 1 (2700K-6500K) 12 - 1200 LUMENS 12 - 1200 LUMENS 20D - 20° 120 - 120V 347 - 347V (0-10V ONLY) 90D - 90° *	CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
	3G-RC2	(1800-3000K) TW - TUNABLE WHITE ¹	12 - 1200 LUMENS	H90 - 90+ CRI	20D - 20° 40D - 40° 60D - 60° 90D - 90° *	120 - 120V 347 - 347V

DRIVER	FLANGE TYPE	GIMBAL FINISH	HOUSING INTERIOR
DIM - 0-10V (STANDARD 100-1%)	WT - WHITE TRIM (STANDARD)	NG - NATURAL ALUMINUM	BK - BLACK (STANDARD)
LE - PHASE DIMMING 3	ST - SILVER TRIM	BG - BLACK	WH-WHITE
(TRIAC/ELV, 100-1%)	BT - BLACK TRIM	WG - WHITE	CF - CUSTOM
LTEA - LUTRON HI-LUME LTEA 3 (FWD PHASE, 100-1%)	CT - CUSTOM		
D01 - 0-10V (eldoLED, 100-0.1%) ¹	XTR - TRIMLESS		
DALI - DALI (eldoLED, 100-1%) 1,4			
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)			
DMX - DMX (eldoLED, 100-0%) ¹			

HOUSING TYPE	OPTIONS
NC - NEW CONSTRUCTION (NON-IC)	CP - CHICAGO PLENUM
IC - IC HOUSING	BH - BAR HANGERS
	SF70 - SOFTENING LENS
	LS70 - LINEAR SPREAD
	HXB70 - BLACK HEXCELL LOUVER
	EMR - EMERGENCY BATTERY ⁵
	Maximum 3 optical accessories. See optical accessories page for more options

- 1 Tunable White option available with D01, DALI and DMX drivers
- 2 10D reflector available with 800 lumen output only 3 Phase dimming options available in 120V only
- 4 DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options
- 5 Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim

3G - Tunable White





Submitted By 16500, INC

Catalog Number 3G-RC2 TW 20 H90 40D UNV DMX WT WG WH IC

Notes

Туре

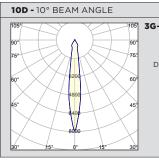
3G-RC2

2 LIGHT MADISON DYNAMIC WHITE

PERFORMANCE CHART BASED ON 20° BEAM AND 3000K SOURCE (PER FIXTURE HEAD)

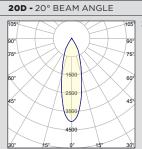
DIM TO WARM	90+ CRI (3000K)				
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)		
800LMs	N/A	N/A	N/A		
1200LMs	1136	15.4	74		
2000LMs	1593	23.2	69		

PHOTOMETRY (PER FIXTURE HEAD)



3G-RC2-DW-08-H90-10D

LUMEN OUTPUT: 800LMs DELIVERED LUMENS: 759LMs SYSTEM WATTS: 10.3W EFFICACY: 74LPW CRI: 90+ CCT: 3000K

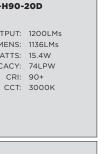


40D - 40° BEAM ANGLE

1650

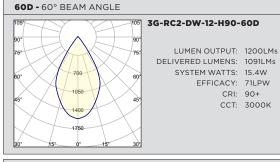
105 3G-RC2-DW-12-H90-20D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1136LMs SYSTEM WATTS: 15.4W EFFICACY: 74LPW CRI: 90+



3G-RC2-DW-12-H90-40D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1064LMs SYSTEM WATTS: 15.4W EFFICACY: 69LPW CRI: 90+ CCT: 3000K



90D - 90° BEAM ANGLE

105 3G-RC2-DW-12-H90-90D LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1003LMs SYSTEM WATTS: 15.4W EFFICACY: 65LPW CRI: 90+ CCT: 3000K





Submitted By 16500, INC Catalog Number 3G-RC2 TW 20 H90 40D UNV DMX WT WG WH IC Туре

Notes

3G LIGHTING

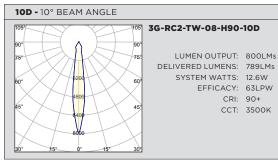
3G-RC2

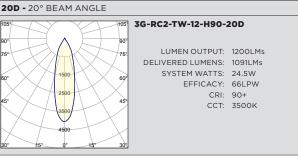
2 LIGHT MADISON DYNAMIC WHITE

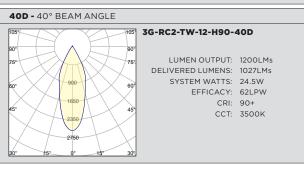
PERFORMANCE CHART BASED ON 20° BEAM (PER FIXTURE HEAD)

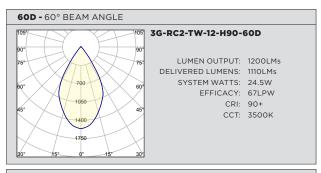
TUNABLE WHITE	90+ CRI (2700K)				90+ CRI (6500K)				
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1066	16.6	64	1091	16.6	66	1221	16.6	74
2000LMs	1491	24.5	61	1561	24.5	64	1684	24.5	69

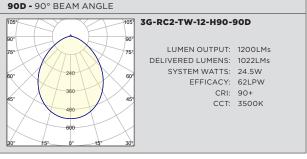
PHOTOMETRY (PER FIXTURE HEAD)













Submitted By 16500, INC Catalog Number 3G-RC2 TW 20 H90 40D UNV DMX WT WG WH IC

Туре

Notes

3G-RC2

2 LIGHT MADISON DYNAMIC WHITE

TECHNICAL

HOUSING

New construction housing with IC housing option available

Housing fabricated in cold rolled steel. Standard black powder coated finish

Maximum ceiling thickness of 1". Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housings are rated for #12 AWG, (4 in, 4 out), 90°C conductors and through branch wiring

TRIM

Features a 3/4" removable trim assembly designed to conceal inner hardware

TRIMLESS

Aluminum mudding flange features a unique reveal that emulates drywall

Integral aluminum blocking support provided to ensure fixture is properly secured within ceiling structure

ADJUSTABILITY

Solid aluminum double gimbal with dual axis adjustability

Each double gimbal can be locked in place

OPTICS

Regressed LED source for enhanced glare control

Proprietary anodized, aluminum reflectors are field replaceable (10° reflector not interchangeable)

Available in 10°, 20°, 40°, 60° and 90°

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range $\,$

 ${\tt eldoLED\ DALI\ and\ Lutron\ EcoSystem\ driver\ options\ available\ with\ 100-1\%\ dimming\ range}$

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic ceiling tiles, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Butterfly brackets compatible with $1/2" \times 1/2"$ channel, 1/2", 5/8", 3/4" bar hanger, 1/2" EMT, and furring strips (supplied by others)

LISTING

 ${\it ETL\ listed\ and\ tested\ to\ cUL\ standards}.\ Suitable\ for\ dry\ and\ damp\ locations$

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-RC2 TW 20 H90 40D UNV DMX WT WG WH IC

Notes

Туре

3G

3G-RC2

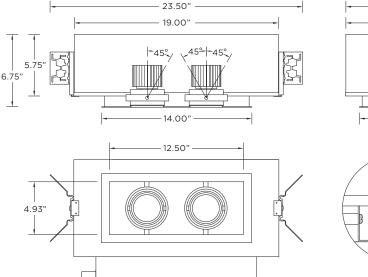
2 LIGHT MADISON DYNAMIC WHITE

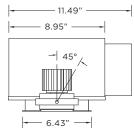
TRIM HOUSING

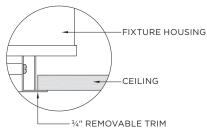
NC - New Construction (Non-IC)

IC - IC Housing

CP - Chicago Plenum Housing





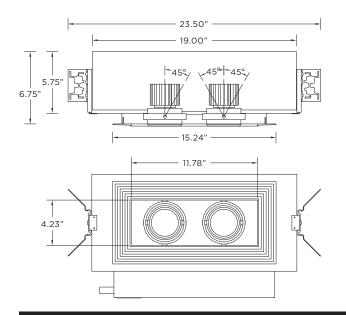


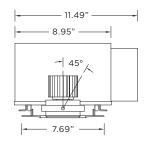
TRIMLESS HOUSING

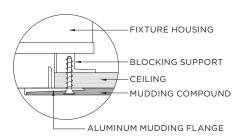
NC - New Construction (Non-IC)

IC - IC Housing

CP - Chicago Plenum Housing









Submitted By 16500, INC Catalog Number

Notes

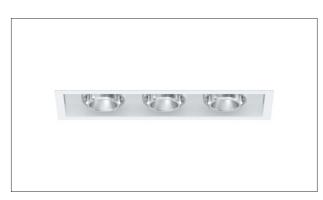
3G-RC3 TW 20 H90 40D UNV DMX WT WG WH IC



3G-RC3

3 LIGHT MADISON DYNAMIC WHITE

New construction housing with IC housing option available Trim fixture designed to conceal internal hardware Trimless fixture features a proprietary aluminum mudding flange Machined aluminum double gimbals. Adjustable and lockable 2.75" Regressed LED source for enhanced glare control Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) 1% dimming standard with several integral driver options





Туре

ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-RC3	DW - DIM TO WARM	08 - 800 LUMENS	H90 - 90+ CRI	10D - 10°2	UNV - 120/277V
	(1800-3000K)	12 - 1200 LUMENS		20D - 20°	120 - 120V
	TW - TUNABLE WHITE 1 (2700K-6500K)	20 - 2000 LUMENS		40D - 40°	347 - 347V
	(=::::::;			60D - 60°	(0-10V ONLY)
				90D - 90° *	
				* 90D reflector supplied standard with lens	
DDIVED	EI ANGE T	VDE	GIMBAI EINICH	HOLISING	INTEDIOD

DRIVER	FLANGE TYPE	GIMBAL FINISH	HOUSING INTERIOR
DIM - 0-10V (STANDARD 100-1%)	WT - WHITE TRIM (STANDARD)	NG - NATURAL ALUMINUM	BK - BLACK (STANDARD)
LE - PHASE DIMMING 3	ST - SILVER TRIM	BG - BLACK	WH - WHITE
(TRIAC/ELV, 100-1%) LTEA - LUTRON HI-LUME LTEA ³	BT - BLACK TRIM	WG - WHITE	CF - CUSTOM
(FWD PHASE, 100-1%)	CT - CUSTOM		
D01 - 0-10V (eldoLED, 100-0.1%) ¹	XTR - TRIMLESS		
DALI - DALI (eldoLED, 100-1%) 1,4			
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)			
DMX - DMX (eldoLED, 100-0%) ¹			

HOUSING TYPE	OPTIONS
NC - NEW CONSTRUCTION (NON-IC)	CP - CHICAGO PLENUM
IC - IC HOUSING	BH - BAR HANGERS
	SF70 - SOFTENING LENS
	LS70 - LINEAR SPREAD
	HXB70 - BLACK HEXCELL LOUVER
	EMR - EMERGENCY BATTERY 5
	Maximum 3 optical accessories. See optical accessories page for more options

- 1 Tunable White option available with D01, DALI and DMX drivers
- 2 10D reflector available with 800 lumen output only 3 Phase dimming options available in 120V only
- 4 DALI-2 (Type 6) provided as standard, Please consult factory for DALI (Type 8) options
- 5 Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim

3G - Tunable White





Submitted By 16500, INC

Catalog Number 3G-RC3 TW 20 H90 40D UNV DMX WT WG WH IC Туре

Notes

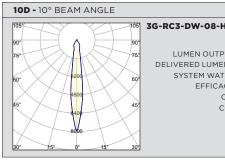
3G-RC3

3 LIGHT MADISON DYNAMIC WHITE

PERFORMANCE CHART BASED ON 20° BEAM AND 3000K SOURCE (PER FIXTURE HEAD)

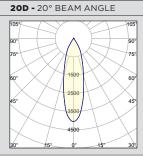
DIM TO WARM	90+ CRI (3000K)				
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)		
800LMs	N/A	N/A	N/A		
1200LMs	1136	15.4	74		
2000LMs	1593	23.2	69		

PHOTOMETRY (PER FIXTURE HEAD)



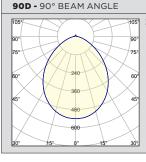
3G-RC3-DW-08-H90-10D

LUMEN OUTPUT: 800LMs DELIVERED LUMENS: 759LMs SYSTEM WATTS: 10.3W EFFICACY: 74LPW CRI: 90+ CCT: 3000K



105 3G-RC3-DW-12-H90-20D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1136LMs SYSTEM WATTS: 15.4W EFFICACY: 74LPW CRI: 90+ CCT: 3000K



60D - 60° BEAM ANGLE

1050

105 3G-RC3-DW-12-H90-90D

3G-RC3-DW-12-H90-60D

LUMEN OUTPUT: 1200LMs

EFFICACY: 71LPW

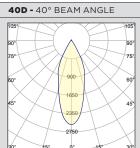
CRI: 90+

CCT: 3000K

DELIVERED LUMENS: 1091LMs

SYSTEM WATTS: 15.4W

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1003LMs SYSTEM WATTS: 15.4W EFFICACY: 65LPW CRI: 90+ CCT: 3000K



3G-RC3-DW-12-H90-40D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1064LMs SYSTEM WATTS: 15.4W EFFICACY: 69LPW CRI: 90+ CCT: 3000K



Submitted By 16500, INC

Catalog Number 3G-RC3 TW 20 H90 40D UNV DMX WT WG WH IC Туре

Notes

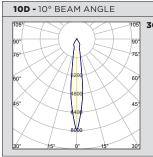
3G-RC3

3 LIGHT MADISON DYNAMIC WHITE

PERFORMANCE CHART BASED ON 20° BEAM (PER FIXTURE HEAD)

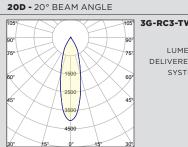
TUNABLE WHITE	90+ CRI (2700K)		90	90+ CRI (3500K)		90+ CRI (6500K)			
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1066	16.6	64	1091	16.6	66	1221	16.6	74
2000LMs	1491	24.5	61	1561	24.5	64	1684	24.5	69

PHOTOMETRY (PER FIXTURE HEAD)



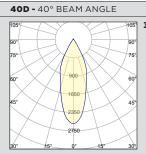
3G-RC3-TW-08-H90-10D

LUMEN OUTPUT: 800LMs DELIVERED LUMENS: 789LMs SYSTEM WATTS: 12.6W EFFICACY: 63LPW CRI: 90+ CCT: 3500K



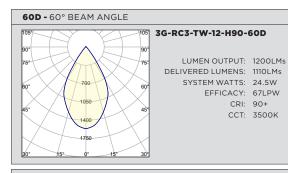
105 3G-RC3-TW-12-H90-20D

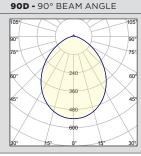
LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1091LMs SYSTEM WATTS: 24.5W EFFICACY: 66LPW CRI: 90+ CCT: 3500K



3G-RC3-TW-12-H90-40D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1027LMs SYSTEM WATTS: 24.5W EFFICACY: 62LPW CRI: 90+ CCT: 3500K





105 3G-RC3-TW-12-H90-90D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1022LMs SYSTEM WATTS: 24.5W EFFICACY: 62LPW CRI: 90+ CCT: 3500K





Tunable White | Color Tuning

Catalog Number 3G-RC3 TW 20 H90 40D UNV DMX WT WG WH IC

Туре

Notes

3G LIGHTING

3G-RC3

3 LIGHT MADISON DYNAMIC WHITE

TECHNICAL

HOUSING

New construction housing with IC housing option available

Housing fabricated in cold rolled steel. Standard black powder coated finish

Maximum ceiling thickness of 1". Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housings are rated for #12 AWG, (4 in, 4 out), 90°C conductors and through branch wiring

TRIM

Features a 3/4" removable trim assembly designed to conceal inner hardware

TRIMLESS

Aluminum mudding flange features a unique reveal that emulates drywall

Integral aluminum blocking support provided to ensure fixture is properly secured within ceiling structure

ADJUSTABILITY

Solid aluminum double gimbal with dual axis adjustability

Each double gimbal can be locked in place

OPTICS

Regressed LED source for enhanced glare control

Proprietary anodized, aluminum reflectors are field replaceable (10° reflector not interchangeable)

Available in 10°, 20°, 40°, 60° and 90°

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic ceiling tiles, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Butterfly brackets compatible with $1/2" \times 1/2"$ channel, 1/2", 5/8", 3/4" bar hanger, 1/2" EMT, and furring strips (supplied by others)

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-RC3 TW 20 H90 40D UNV DMX WT WG WH IC

Туре

Notes

3G-RC3

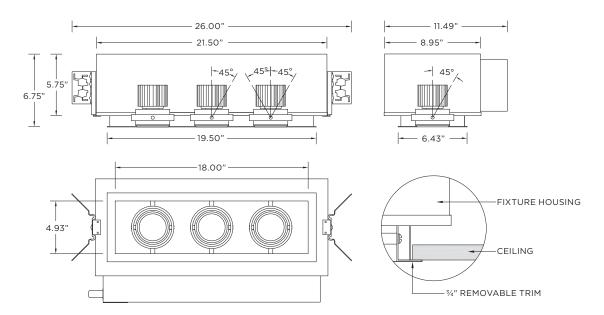
3 LIGHT MADISON DYNAMIC WHITE

TRIM HOUSING

NC - New Construction (Non-IC)

IC - IC Housing

CP - Chicago Plenum Housing

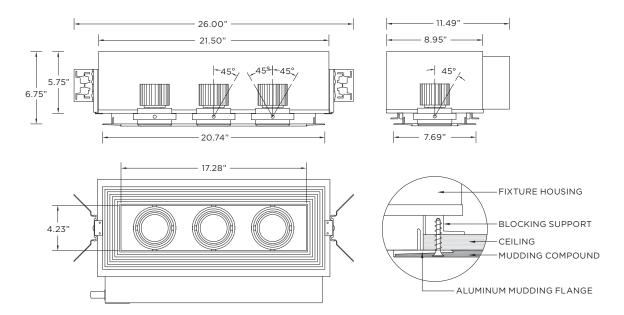


TRIMLESS HOUSING

NC - New Construction (Non-IC)

IC - IC Housing

CP - Chicago Plenum Housing





Submitted By 16500, INC Catalog Number

3G-RC4 TW 20 H90 40D UNV DMX WT WG WH IC

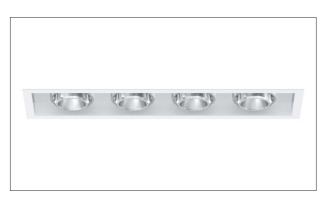
Notes



3G-RC4

4 LIGHT MADISON DYNAMIC WHITE

New construction housing with IC housing option available Trim fixture designed to conceal internal hardware Trimless fixture features a proprietary aluminum mudding flange Machined aluminum double gimbals. Adjustable and lockable 2.75" Regressed LED source for enhanced glare control Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) 1% dimming standard with several integral driver options





Туре

ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-RC4	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE ¹ (2700K-6500K)	08 - 800 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	10D - 10° ² 20D - 20° 40D - 40° 60D - 60° 90D - 90° *	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)
DRIVER	FLANGE 1	YPE	GIMBAL FINISH	HOUSING	INTERIOR

DRIVER	FLANGE TYPE	GIMBAL FINISH	HOUSING INTERIOR
DIM - 0-10V (STANDARD 100-1%)	WT - WHITE TRIM (STANDARD)	NG - NATURAL ALUMINUM	BK - BLACK (STANDARD)
LE - PHASE DIMMING 3	ST - SILVER TRIM	BG - BLACK	WH - WHITE
(TRIAC/ELV, 100-1%) LTEA - LUTRON HI-LUME LTEA ³	BT - BLACK TRIM	WG - WHITE	CF - CUSTOM
(FWD PHASE, 100-1%)	CT - CUSTOM		
D01 - 0-10V (eldoLED, 100-0.1%) ¹	XTR - TRIMLESS		
DALI - DALI (eldoLED, 100-1%) 1,4			
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)			
DMX - DMX (eldoLED, 100-0%) ¹			

HOUSING TYPE	OPTIONS
NC - NEW CONSTRUCTION (NON-IC)	CP - CHICAGO PLENUM
IC - IC HOUSING	BH - BAR HANGERS
	SF70 - SOFTENING LENS
	LS70 - LINEAR SPREAD
	HXB70 - BLACK HEXCELL LOUVER
	EMR - EMERGENCY BATTERY ⁵
	Maximum 3 optical accessories. See optical accessories page for more options

- 1 Tunable White option available with D01, DALI and DMX drivers
- 2 10D reflector available with 800 lumen output only 3 Phase dimming options available in 120V only
- 4 DALI-2 (Type 6) provided as standard, Please consult factory for DALI (Type 8) options
- 5 Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim

3G - Tunable White





Submitted By 16500, INC Catalog Number 3G-RC4 TW 20 H90 40D UNV DMX WT WG WH IC

Туре

Notes

3G LIGHTING

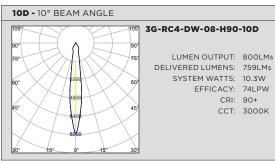
3G-RC4

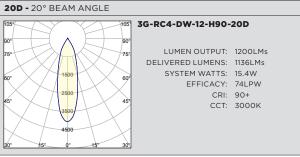
4 LIGHT MADISON DYNAMIC WHITE

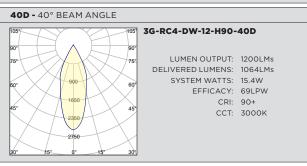
PERFORMANCE CHART BASED ON 20° BEAM AND 3000K SOURCE (PER FIXTURE HEAD)

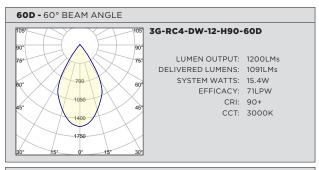
DIM TO WARM	90+ CRI (3000K)				
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)		
800LMs	N/A	N/A	N/A		
1200LMs	1136	15.4	74		
2000LMs	1593	23.2	69		

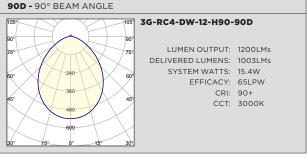
PHOTOMETRY (PER FIXTURE HEAD)













Submitted By 16500, INC

Catalog Number 3G-RC4 TW 20 H90 40D UNV DMX WT WG WH IC

Туре

Notes

3G LIGHTING

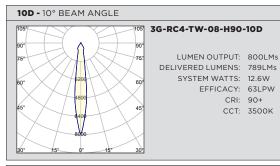
3G-RC4

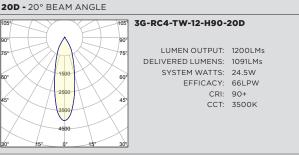
4 LIGHT MADISON DYNAMIC WHITE

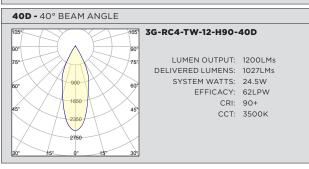
PERFORMANCE CHART BASED ON 20° BEAM (PER FIXTURE HEAD)

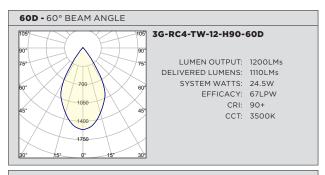
TUNABLE WHITE	90+ CRI (2700K)		90+ CRI (3500K)			90+ CRI (6500K)			
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1066	16.6	64	1091	16.6	66	1221	16.6	74
2000LMs	1491	24.5	61	1561	24.5	64	1684	24.5	69

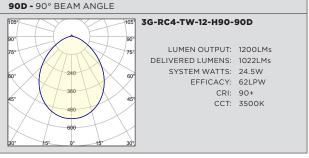
PHOTOMETRY (PER FIXTURE HEAD)













Submitted By 16500, INC Catalog Number 3G-RC4 TW 20 H90 40D UNV DMX WT WG WH IC Туре

Notes

1

3G

3G-RC4

4 LIGHT MADISON DYNAMIC WHITE

TECHNICAL

HOUSING

New construction housing with IC housing option available

Housing fabricated in cold rolled steel. Standard black powder coated finish

Maximum ceiling thickness of 1". Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housings are rated for #12 AWG, (4 in, 4 out), 90°C conductors and through branch wiring

TRIM

Features a 3/4" removable trim assembly designed to conceal inner hardware

TRIMLESS

Aluminum mudding flange features a unique reveal that emulates drywall

Integral aluminum blocking support provided to ensure fixture is properly secured within ceiling structure

ADJUSTABILITY

Solid aluminum double gimbal with dual axis adjustability

Each double gimbal can be locked in place

OPTICS

Regressed LED source for enhanced glare control

Proprietary anodized, aluminum reflectors are field replaceable (10° reflector not interchangeable)

Available in 10°, 20°, 40°, 60° and 90°

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

 ${\tt eldoLED\ DALI\ and\ Lutron\ EcoSystem\ driver\ options\ available\ with\ 100-1\%\ dimming\ range}$

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic ceiling tiles, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Butterfly brackets compatible with $1/2" \times 1/2"$ channel, 1/2", 5/8", 3/4" bar hanger, 1/2" EMT, and furring strips (supplied by others)

LISTING

 $\ensuremath{\mathsf{ETL}}$ listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC

Catalog Number 3G-RC4 TW 20 H90 40D UNV DMX WT WG WH IC Туре

Notes

3G LIGHTING

3G-RC4

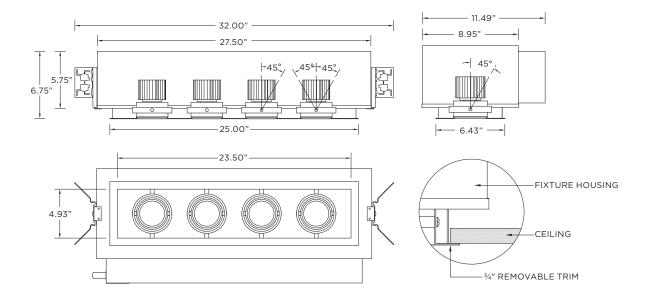
4 LIGHT MADISON DYNAMIC WHITE

TRIM HOUSING

NC - New Construction (Non-IC)

IC - IC Housing

CP - Chicago Plenum Housing

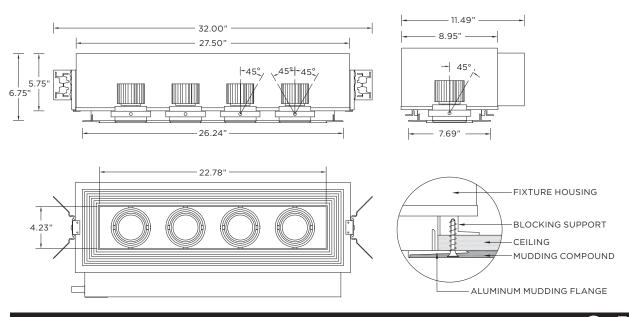


TRIMLESS HOUSING

NC - New Construction (Non-IC)

IC - IC Housing

CP - Chicago Plenum Housing





Submitted By 16500, INC Catalog Number 3G-RC1M5-4RD TW 20 H90 40D UNV DMX WT WG BK IC

Notes

Туре

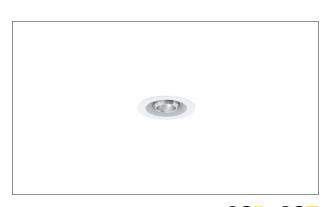


3G-RC1M5-4RD

4" ROUND MINI MADISON DYNAMIC WHITE

New construction, shallow housing, and IC housing options available $\,$ Machined aluminum insert with seamless ceiling integration Trim fixture designed to conceal internal hardware Machined aluminum double gimbal. Adjustable and lockable 1.95" Regressed LED source for enhanced glare control Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI)

1% dimming standard with several integral driver options







ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-RC1M5-4RD	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE ¹ (2700K-6500K)	08 - 800 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	20D - 20° ² 40D - 40° 60D - 60° 90D - 90° *	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)

DRIVER	FLANGE TYPE	GIMBAL FINISH	HOUSING INTERIOR
DIM - 0-10V (STANDARD 100-1%)	WT - WHITE (STANDARD)	NG - NATURAL ALUMINUM	BK - BLACK (STANDARD)
LE - PHASE DIMMING 3	ST - SILVER	BG - BLACK	WH - WHITE
(TRIAC/ELV, 100-1%)	BT - BLACK	WG - WHITE	CF - CUSTOM
LTEA - LUTRON HI-LUME LTEA 3 (FWD PHASE, 100-1%)	CT - CUSTOM		
D01 - 0-10V (eldoLED, 100-0.1%) ¹	XTR - TRIMLESS		
DALI - DALI (eldoLED ,100-1%) 1,4			
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)			
DMX - DMX (eldoLED, 100-0%) ¹			

HOUSING TYPE	OPTIONS
NC - NEW CONSTRUCTION (NON-IC)	BH - C-CHANNEL BAR HANGERS
IC - IC HOUSING	CP - CHICAGO PLENUM
SH - SHALLOW HOUSING (IC RATED - BLACK ONLY)	EMR - EMERGENCY BATTERY (REMOTE) 5
	HXB50 - BLACK HEXCELL LOUVER
	LS50 - LINEAR SPREAD LENS
	PM50 - PRISMATIC LENS
	SF50 - SOFTENING LENS
	Marina Cartial and a first and
	Maximum 2 optical accessories. See optical accessories page for more options

- 1 Tunable White option available with D01, DALI and DMX drivers
- 2 20D reflector available with 800 lumen output only
- 3 Phase dimming options available in 120V only
- 4 DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options
- 5 Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim

3G → Tunable White





Submitted By 16500, INC Catalog Number 3G-RC1M5-4RD TW 20 H90 40D UNV DMX WT WG BK IC

Notes

Type Type

3G LIGHTING

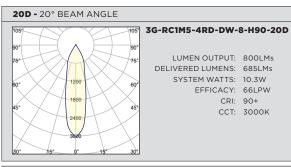
3G-RC1M5-4RD

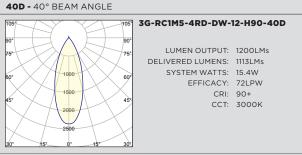
4" ROUND MINI MADISON DYNAMIC WHITE

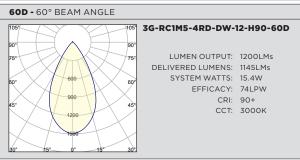
PERFORMANCE CHART BASED ON 60° BEAM AND 3000K SOURCE

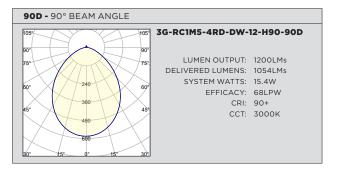
DIM TO WARM	90+ CRI (3000K)					
DIM TO WARM LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)			
800LMs	N/A	N/A	N/A			
1200LMs	1145	15.4	74			
2000LMs	1611	23.2	69			

PHOTOMETRY











Submitted By 16500, INC

Catalog Number 3G-RC1M5-4RD TW 20 H90 40D UNV DMX WT WG BK IC

Notes

G BK IC

3G LIGHTING

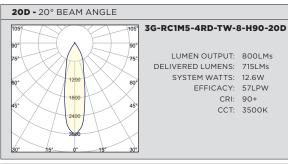
3G-RC1M5-4RD

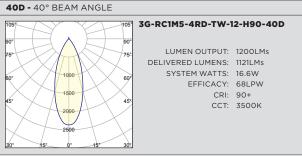
4" ROUND MINI MADISON DYNAMIC WHITE

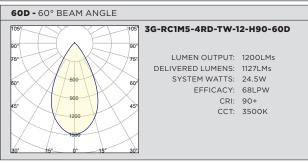
PERFORMANCE CHART BASED ON 60° BEAM ANGLE

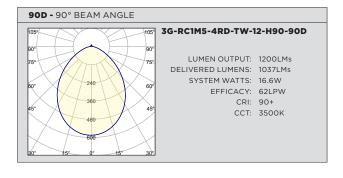
TUNABLE WHITE	90+ CRI (2700K)			90+ CRI (3500K)			90+ CRI (6500K)		
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1076	16.6	65	1127	16.6	68	1266	16.6	76
2000LMs	1523	24.5	62	1558	24.5	64	1824	24.5	74

PHOTOMETRY











Submitted By 16500, INC Catalog Number 3G-RC1M5-4RD TW 20 H90 40D UNV DMX WT WG BK IC

Туре

Notes

3G LIGHTING

3G-RC1M5-4RD

4" ROUND MINI MADISON DYNAMIC WHITE

TECHNICAL

HOUSING

New construction, shallow housing and IC housing options available

Housing fabricated in cold rolled steel. Standard black powder coated finish

Maximum ceiling thickness of 1". Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housings are rated for #12 AWG, (4 in, 4 out), 90°C conductors and through branch wiring

TRIM

Features a 3/4" removable trim assembly designed to conceal inner hardware

TRIMLESS

Mudding flange with integral aluminum blocking support

Machined aluminum insert with seamless ceiling integration

ADJUSTABILITY

Solid aluminum 50mm double gimbal with dual axis adjustability

Each double gimbal can be locked in place

OPTICS

Regressed LED source for enhanced glare control

 $\label{proprietary} \mbox{ anodized, aluminum reflectors are field replaceable}$

Available in 20°, 40°, 60° and 90°

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic ceiling tiles, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Butterfly brackets compatible with $1/2" \times 1/2"$ channel, 1/2", 5/8", 3/4" bar hanger, 1/2" EMT, and furring strips (supplied by others)

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-RC1M5-4RD TW 20 H90 40D UNV DMX WT WG BK IC

Туре

Notes

3G LIGHTING

3G-RC1M5-4RD

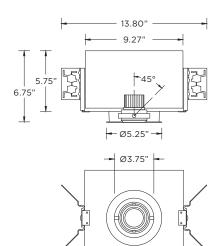
4" ROUND MINI MADISON DYNAMIC WHITE

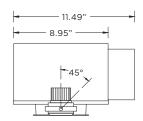
TRIM HOUSING OPTIONS

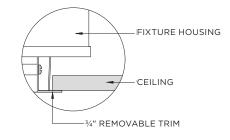
NC - New Construction (Non-IC)

IC - IC Housing

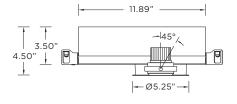
CP - Chicago Plenum Housing

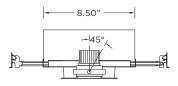


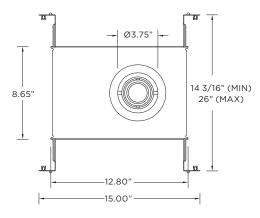


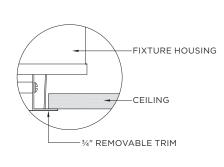


SH - Shallow Housing (IC rated)











Submitted By 16500, INC Catalog Number 3G-RC1M5-4RD TW 20 H90 40D UNV DMX WT WG BK IC

Туре

Notes

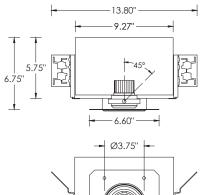
3G-RC1M5-4RD

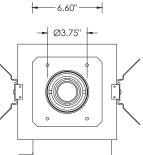
4" ROUND MINI MADISON DYNAMIC WHITE

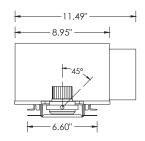
TRIMLESS HOUSING OPTIONS

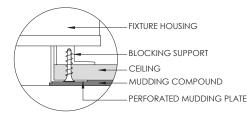
NC - New Construction (Non-IC)

IC - IC Housing
CP - Chicago Plenum Housing

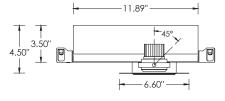


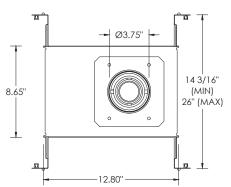




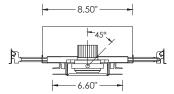


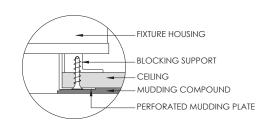
SH - Shallow Housing (IC rated)





-15.00"







Submitted By 16500, INC Catalog Number 3G-RC1-5RD TW 22 H90 40D UNV DMX WT WG BK IC

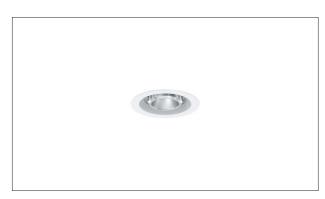
Notes



3G-RC1-5RD

5" ROUND MADISON DYNAMIC WHITE

New construction housing with IC housing option available Machined aluminum insert with seamless ceiling integration Trim fixture designed to conceal internal hardware Machined aluminum double gimbal. Adjustable and lockable 2.75" Regressed LED source for enhanced glare control Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) 1% dimming standard with several integral driver options







Туре

ORDERING INFORMATION

3G-RC1-5RD DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE (2700K-6500K) 12 - 1200 LUMENS 20 - 2000 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS 13 - 1200 LUMENS 20 - 2000 LUMENS 14 - 1200 LUMENS 20 - 2000 LUMENS 15 - 1200 LUMENS 20 - 2000 LUMENS 40D - 40° 60D - 60° 90D - 90° *
Standard with lens

DRIVER	FLANGE TYPE	GIMBAL FINISH	HOUSING INTERIOR
DIM - 0-10V (STANDARD 100-1%)	WT - WHITE TRIM (STANDARD)	NG - NATURAL ALUMINUM	BK - BLACK (STANDARD)
LE - PHASE DIMMING 3	ST - SILVER TRIM	BG - BLACK	WH - WHITE
(TRIAC/ELV, 100-1%)	BT - BLACK TRIM	WG - WHITE	CF - CUSTOM
LTEA - LUTRON HI-LUME LTEA 3 (FWD PHASE, 100-1%)	CT - CUSTOM		
D01 - 0-10V (eldoLED, 100-0.1%) ¹	XTR - TRIMLESS		
DALI - DALI (eldoLED, 100-1%) 1,4			
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)			
DMX - DMX (eldoLED, 100-0%) ¹			

HOUSING TYPE	OPTIONS
NC - NEW CONSTRUCTION (NON-IC)	CP - CHICAGO PLENUM
IC - IC HOUSING	BH - BAR HANGERS
	SF70 - SOFTENING LENS
	LS70 - LINEAR SPREAD
	HXB70 - BLACK HEXCELL LOUVER
	EMR - EMERGENCY BATTERY ⁵
	Maximum 3 optical accessories. See optical accessories page for more options

- 1 Tunable White option available with D01, DALI and DMX drivers
- 2 10D reflector available with 800 lumen output only 3 Phase dimming options available in 120V only
- 4 DALI-2 (Type 6) provided as standard, Please consult factory for DALI (Type 8) options
- 5 Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim

3G - Tunable White





Submitted By 16500, INC Catalog Number 3G-RC1-5RD TW 22 H90 40D UNV DMX WT WG BK IC

Notes

Type IC

3G LIGHTING

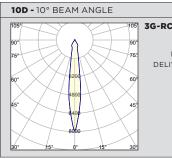
3G-RC1-5RD

5" ROUND MADISON DYNAMIC WHITE

PERFORMANCE CHART BASED ON 20° BEAM AND 3000K SOURCE

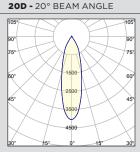
DIM TO WARM	90+ CRI (3000K)					
DIM TO WARM LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)			
800LMs	N/A	N/A	N/A			
1200LMs	1136	15.4	74			
2000LMs	1593	23.2	69			

PHOTOMETRY



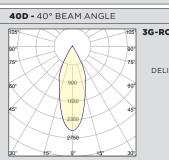
105 3G-RC1-5RD-DW-08-H90-10D

LUMEN OUTPUT: 800LMs
DELIVERED LUMENS: 759LMs
SYSTEM WATTS: 10.3W
EFFICACY: 74LPW
CRI: 90+
CCT: 3000K



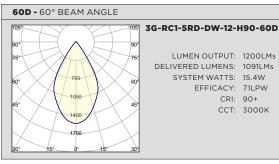
3G-RC1-5RD-DW-12-H90-20D

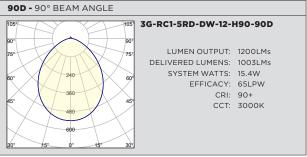
LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1136LMs
SYSTEM WATTS: 15.4W
EFFICACY: 74LPW
CRI: 90+
CCT: 3000K



3G-RC1-5RD-DW-12-H90-40D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1064LMs
SYSTEM WATTS: 15.4W
EFFICACY: 69LPW
CRI: 90+
CCT: 3000K







Submitted By 16500, INC Catalog Number 3G-RC1-5RD TW 22 H90 40D UNV DMX WT WG BK IC

Notes

Type IC

3G LIGHTING

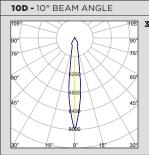
3G-RC1-5RD

5" ROUND MADISON DYNAMIC WHITE

PERFORMANCE CHART BASED ON 20° BEAM

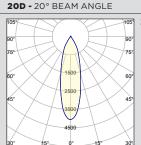
TUNADIEWILLE	90+ CRI (2700K)			90+ CRI (3500K)			90+ CRI (6500K)		
TUNABLE WHITE LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1066	16.6	64	1091	16.6	66	1221	16.6	74
2000LMs	1491	24.5	61	1561	24.5	64	1684	24.5	69

PHOTOMETRY



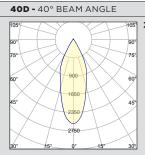
105 3G-RC1-5RD-TW-08-H90-10D

LUMEN OUTPUT: 800LMs
DELIVERED LUMENS: 789LMs
SYSTEM WATTS: 12.6W
EFFICACY: 63LPW
CRI: 90+
CCT: 3500K



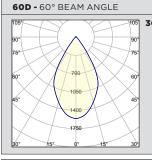
105 3G-RC1-5RD-TW-12-H90-20D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1091LMs
SYSTEM WATTS: 24.5W
EFFICACY: 66LPW
CRI: 90+
CCT: 3500K



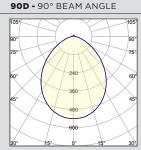
3G-RC1-5RD-TW-12-H90-40D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1027LMs
SYSTEM WATTS: 24.5W
EFFICACY: 62LPW
CRI: 90+
CCT: 3500K



3G-RC1-5RD-TW-12-H90-60D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1110LMs
SYSTEM WATTS: 24.5W
EFFICACY: 67LPW
CRI: 90+
CCT: 3500K



3G-RC1-5RD-TW-12-H90-90D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1022LMs
SYSTEM WATTS: 24.5W
EFFICACY: 62LPW
CRI: 90+
CCT: 3500K





Submitted By

Catalog Number

3G-RC1-5RD TW 22 H90 40D UNV DMX WT WG BK IC

Туре

Notes

3G

3G-RC1-5RD

5" ROUND MADISON DYNAMIC WHITE

TECHNICAL

HOUSING

New construction housing with IC housing option available

Housing fabricated in cold rolled steel. Standard black powder coated finish

Maximum ceiling thickness of 1". Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housings are rated for #12 AWG, (4 in, 4 out), 90°C conductors and through branch wiring

TRIM

Features a 3/4" removable trim assembly designed to conceal inner hardware

TRIMLESS

Mudding flange with integral blocking support

Machined aluminum insert with seamless ceiling integration

ADJUSTABILITY

Solid aluminum double gimbal with dual axis adjustability

Each double gimbal can be locked in place

OPTICS

Regressed LED source for enhanced glare control

 $Proprietary\ anodized,\ aluminum\ reflectors\ are\ field\ replaceable\ (10^{\circ}\ reflector\ not\ interchangeable)$

Available in 10°, 20°, 40°, 60° and 90°

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range $\,$

 ${\tt eldoLED\ DALI\ and\ Lutron\ EcoSystem\ driver\ options\ available\ with\ 100-1\%\ dimming\ range}$

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through fixture aperture

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic ceiling tiles, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Butterfly brackets compatible with $1/2" \times 1/2"$ channel, 1/2", 5/8", 3/4" bar hanger, 1/2" EMT, and furring strips (supplied by others)

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-RC1-5RD TW 22 H90 40D UNV DMX WT WG BK IC

Туре

Notes

3G LIGHTING

3G-RC1-5RD

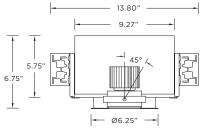
5" ROUND MADISON DYNAMIC WHITE

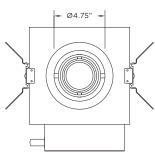
TRIM HOUSING OPTIONS

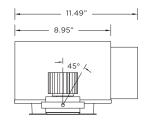
NC - New Construction (Non-IC)

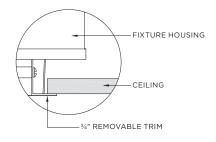
IC - IC Housing

CP - Chicago Plenum Housing







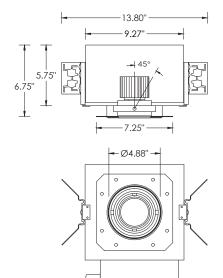


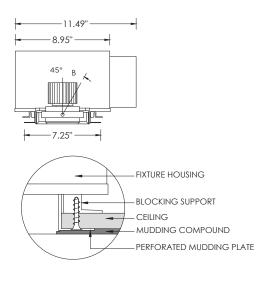
TRIMLESS HOUSING OPTIONS

NC - New Construction (Non-IC)

IC - IC Housing

CP - Chicago Plenum Housing









Submitted By 16500, INC

Catalog Number 3G-48RMSL TW 20 H90 40D UNV DMX WT WG WH S-4' 12

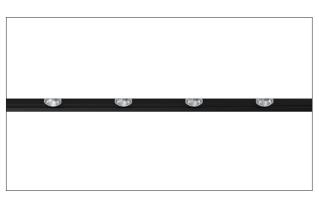
Notes



3G-48RMSL

4.8" RECESSED MINI MADISON SLOT DYNAMIC WHITE

4.8" recessed slot designed for continuous runs in various configurations Suitable for drywall, wood, grid ceiling, and other architectural ceiling applications 50mm machined aluminum double gimbals. Adjustable and lockable Individual fixture heads can slide within the channel Easily adjustable in the field for maximum flexibility Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) 1% dimming standard with several integral driver options





Туре

ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-48RMSL	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE ¹ (2700K-6500K)	08 - 800 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	20D - 20° ² 40D - 40° 60D - 60° 90D - 90° *	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)
				* 90D reflector supplied standard with lens	

DRIVER	FLANGE TYPE	GIMBAL FINISH	HOUSING INTERIOR
DIM - 0-10V (STANDARD 100-1%)	WT - WHITE TRIM FLANGE	NG - NATURAL ALUMINUM	BK - BLACK
LE - PHASE DIMMING 3	XTR - TRIMLESS	BG - BLACK	WH - WHITE
(TRIAC/ELV, 100-1%) LTEA - LUTRON HI-LUME LTEA ³ (FWD PHASE, 100-1%)	FX - FLANGELESS GCX - GRID CEILING (UNIVERSAL MOUNT)*	WG - WHITE	
D01 - 0-10V (eldoLED, 100-0.1%) ¹	(UNIVERSAL MOUNT)		
DALI - DALI (eldoLED, 100-1%) 1,4			
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)	* Grid ceiling fixtures ship with universal		
DMX - DMX (eldoLED, 100-0%) 1	mounting brackets suitable for all ceiling types. See mounting section for details		

		types. See mounting section for details	
OPTIC	DNS	RUN TYPE	FIXTURE HEAD SPACING
СР	- CHICAGO PLENUM	S' (STRAIGHT RUN)	12 - 12" ON CENTER
2C	- 2 CIRCUIT	L - 'X' (L-SHAPE)	18 - 18" ON CENTER
3C	- 3 CIRCUIT	U - 'X' (U-SHAPE)	24 - 24" ON CENTER
SF50	- SOFTENING LENS	R'X' (RECTANGLE/SQUARE)	36 - 36" ON CENTER
LS50	- LINEAR SPREAD		48 - 48" ON CENTER
HXB50	• BLACK HEXCELL LOUVER		CUS (XX) - CUSTOM SPACING *
EMR	- EMERGENCY BATTERY ⁵ (REMOTE)		
	um 2 optical accessories. tical accessories page for options	U-Shape and R-Rectangle/Square not available with grid ceiling applications. Continuous runs available in 6" increments	* Specify number of fixture heads (XX)

- 1 Tunable White option available with D01, DALI and DMX drivers
- 2 20D reflector available with 800 lumen output only
- 3 Phase dimming options available in 120V only
- 4 DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options
- ${\bf 5} \ {\sf Emergency \ battery \ installed \ remotely \ by \ others. \ Not \ accessible \ through \ the \ inside \ of \ the \ fixture}$

3GD - Warm Dim 3GT - Tunable White





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Туре

Notes

3G LIGHTING

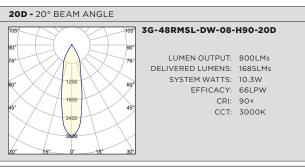
3G-48RMSL

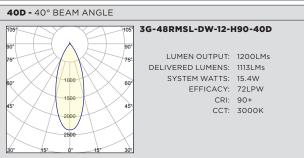
4.8" RECESSED MINI MADISON SLOT DYNAMIC WHITE

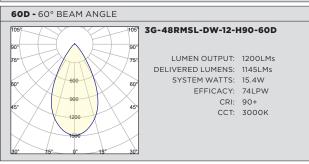
PERFORMANCE CHART BASED ON 60° BEAM AND 3000K SOURCE (PER FIXTURE HEAD)

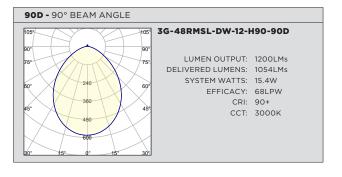
DIM TO WARM	90+ CRI (3000K)				
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)		
800LM	N/A	N/A	N/A		
1200LM	1145	15.4	74		
2000LM	1611	23.2	69		

PHOTOMETRY (PER FIXTURE HEAD)











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Catalog Number 3G-48RMSL TW 20 H90 40D UNV DMX WT WG WH S-4' 12

Туре

Notes

3G

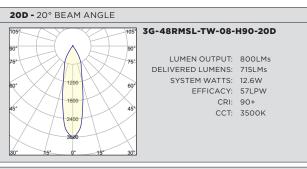
3G-48RMSL

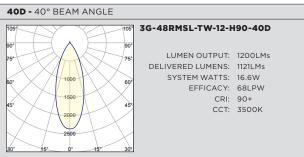
4.8" RECESSED MINI MADISON SLOT DYNAMIC WHITE

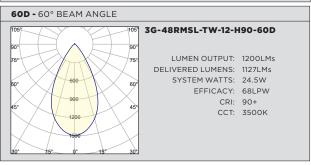
PERFORMANCE CHART BASED ON 60° BEAM (PER FIXTURE HEAD)

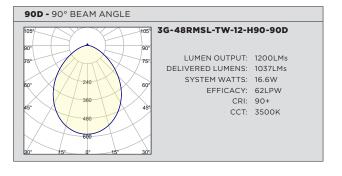
TUNABLE WHITE	90+ CRI (2700K)			90+ CRI (3500K)			90+ CRI (6500K)		
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LM	1076	16.6	65	1127	16.6	68	1266	16.6	76
2000LM	1523	24.5	62	1558	24.5	64	1824	24.5	74

PHOTOMETRY (PER FIXTURE HEAD)











Submitted By 16500, INC Catalog Number 3G-48RMSL TW 20 H90 40D UNV DMX WT WG WH S-4' 12 Туре

Notes

3G LIGHTING

3G-48RMSL

4.8" RECESSED MINI MADISON SLOT DYNAMIC WHITE

TECHNICAL

HOUSING

Housing constructed in extruded aluminum and cold rolled steel

Designed for continuous runs in various configurations. Available in 6" increments

Maximum ceiling thickness of 1.75". Consult factory for modifications

Standard matte black powder coated finish with optional matte white finish

Trim flange with matte white powder coated finish and minimal 0.400" overlap

Trimless model features an extruded aluminum mudding flange for seamless ceiling integration

Integral aluminum blocking support also provided to ensure fixture is properly secured within ceiling structure

ADJUSTABILITY

Solid aluminum, 50mm double gimbals with dual axis adjustability (45°x35°)

Individual fixture heads can slide left or right within the channel. Easily adjustable in field

Each double gimbal can be locked in place

OPTICS

Regressed LED source for enhanced glare control

Proprietary anodized, aluminum reflectors are field replaceable (20° reflector not interchangeable)

Available in 20°, 40°, 60° and 90°

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V driver

Lutron EcoSystem and eldoLED DALI options available with 100-1% dimming

eldoLED 0-10V, 100-0.01% dimming range available (D01)

DMX drivers available with 100-0% dimming range

120V Forward Phase/Reverse Phase driver option with 100-1% dimming

Individual fixture sections can be wired independently

All drivers are integral and easily accessible through the channel aperture

Remote emergency battery operates for 90 minutes at 10W (not accessible within channel)

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

New construction housing suspended via 1/4" threaded rod or suspension cables (by others)

Trim fixture designed for use in drywall, wood, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Flangeless fixture designed for use in wood ceilings

Suitable for various grid ceiling applications (see mounting details)

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





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Catalog Number 3G-48RMSL TW 20 H90 40D UNV DMX WT WG WH S-4' 12

Туре

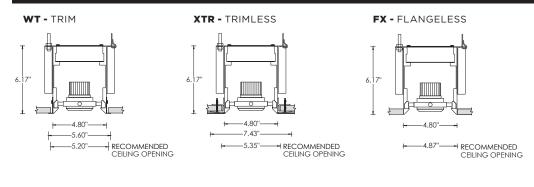
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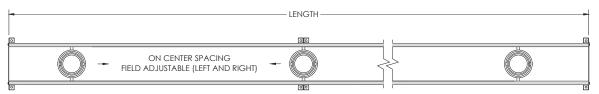
3G LIGHTING

3G-48RMSL

4.8" RECESSED MINI MADISON SLOT DYNAMIC WHITE

DRAWINGS AND DIMENSIONS HARD CEILING





MOUNTING DETAILS HARD CEILING





Submitted By 16500, INC

Catalog Number 3G-48RMSL TW 20 H90 40D UNV DMX WT WG WH S-4' 12

Туре

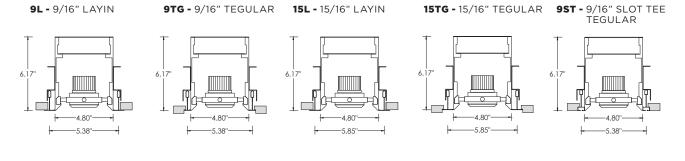
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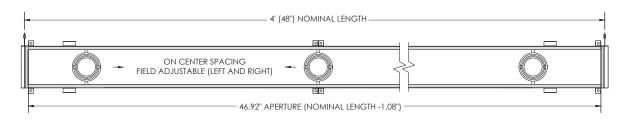
3G

3G-48RMSL

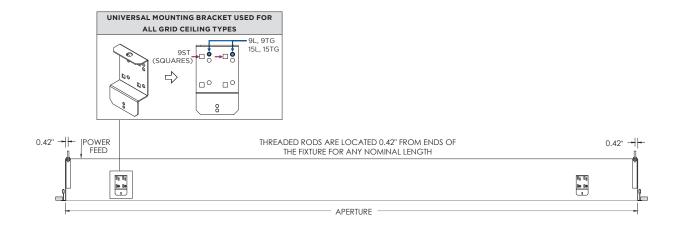
4.8" RECESSED MINI MADISON SLOT DYNAMIC WHITE

DRAWINGS AND DIMENSIONS GRID CEILING





MOUNTING DETAILS GRID CEILING





Submitted By 16500, INC Catalog Number 3G-48RMSL TW 20 H90 40D UNV DMX WT WG WH S-4' 12

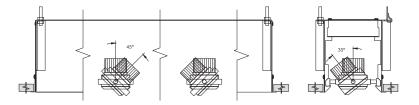
Notes

3G

3G-48RMSL

4.8" RECESSED MINI MADISON SLOT DYNAMIC WHITE

GIMBAL ADJUSTABILITY



PATTERNS

Specify pattern shape and overall dimensions as shown below Patterns are connected with 12"x12" mitered corner sections (Fixture heads not available) Please consult factory for custom patterns and shapes not shown below



Туре

L-SHAPE	U-SHAPE	RECTANGLE/SQUARE
Provide dimensions of AxB Example: L - 5'x6'	Provide dimensions of AxBxC Example: U - 5'x6'x4'	Provide dimensions of AxB Example: R - 5'x6'
B O O O O O O O O O O O O O O O O O O O	C B B	B



Submitted By 16500, INC

Catalog Number

3G-58RMSL TW 20 H90 40D UNV DMX WT WG WH S-4' 12

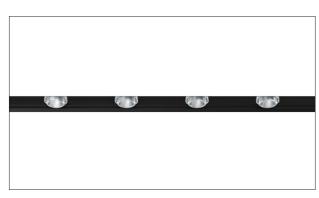
Notes



3G-58RMSL

5.8" RECESSED MADISON SLOT DYNAMIC WHITE

5.8" recessed slot designed for continuous runs in various configurations
Suitable for drywall, wood, and other architectural ceiling applications
Suitable for grid ceiling and 6" techzone applications
Machined aluminum double gimbals. Adjustable and lockable
Individual fixture heads can slide within the channel
Easily adjustable in the field for maximum flexibility
Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI)
1% dimming standard with several integral driver options





Туре

ORDERING INFORMATION

3G-58RMSL DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE 1 (2700K-6500K) 20 - 2000 LUMENS DW - DIM TO WARM (1800-3000K) 12 - 1200 LUMENS 20 - 2000 LUMENS DW - DIM TO WARM (1800-3000K) 12 - 1200 LUMENS 20 - 2000 LUMENS 40D - 40° 60D - 60° 90D - 90° * * 90D reflector supplied	CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
standard with lens	3G-58RMSL	(1800-3000K) TW - TUNABLE WHITE ¹	12 - 1200 LUMENS	H90 - 90+ CRI	20D - 20° 40D - 40° 60D - 60° 90D - 90° *	120 - 120V 347 - 347V

DRIVER	FLANGE TYPE	GIMBAL FINISH	HOUSING INTERIOR
DIM - 0-10V (STANDARD 100-1%)	WT - WHITE TRIM FLANGE	NG - NATURAL ALUMINUM	BK - BLACK (STANDARD)
LE - PHASE DIMMING 3	XTR - TRIMLESS	BG - BLACK	WH-WHITE
(TRIAC/ELV, 100-1%)	FX - FLANGELESS	WG - WHITE	
LTEA - LUTRON HI-LUME LTEA 3 (FWD PHASE, 100-1%)	GCX - GRID CEILING (UNIVERSAL MOUNT) *		
D01 - 0-10V (eldoLED, 100-0.1%) ¹	6TZ - 6" TECHZONE		
DALI - DALI (eldoLED, 100-1%) 1,4	(AVAILABLE IN STRAIGHT		
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)	RUNS ONLY) * Grid ceiling fixtures ship with universal		
DMX - DMX (eldoLED, 100-0%) ¹	mounting brackets suitable for all ceiling types. See mounting section for details		
OPTIONS	RUN TYPE	FIXTURE HEAD SPACING	

		types. See mounting section for details	
ОРТІС	ONS	RUN TYPE	FIXTURE HEAD SPACING
СР	- CHICAGO PLENUM	S' (STRAIGHT RUN)	12 - 12" ON CENTER
2C	- 2 CIRCUIT	L - 'X'L-SHAPE)	18 - 18" ON CENTER
3C	- 3 CIRCUIT	U - 'X' (U-SHAPE)	24 - 24" ON CENTER
SF70	- SOFTENING LENS	R'X' (RECTANGLE/SQUARE)	36 - 36" ON CENTER
LS70	- LINEAR SPREAD		48 - 48" ON CENTER
НХВ70	- BLACK HEXCELL LOUVER		CUS (XX) - CUSTOM SPACING *
EMR	- EMERGENCY BATTERY ⁵ (REMOTE)		
	nm 3 optical accessories. cical accessories page for otions	U-Shape and R-Rectangle/Square not available with grid ceiling applications. Continuous runs available in 6" increments	* Specify number of fixture heads (XX)

- ${\bf 1} \ \ {\bf Tunable \ White \ option \ available \ with \ D01, \ DALI \ and \ DMX \ drivers}$
- 2 10D reflector available with 800 lumen output only
- 3 Phase dimming options available in 120V only
- 4 DALI-2 (Type 6) provided as standard. Consult factory for DALI Type 8 option
- **5** Emergency battery installed remotely by others. Not accessible through the inside of the fixture

3GD - Warm Dim

3G - Tunable White

NOVEMBER 3, 2020





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Catalog Number 3G-58RMSL TW 20 H90 40D UNV DMX WT WG WH S-4' 12

Туре

Notes

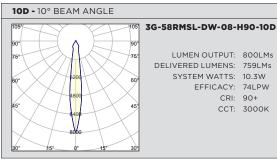
3G-58RMSL

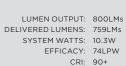
5.8" RECESSED MADISON SLOT DYNAMIC WHITE

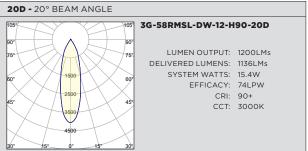
PERFORMANCE CHART BASED ON 20° BEAM AND 3000K SOURCE (PER FIXTURE HEAD)

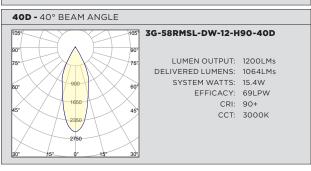
DIM TO WARM	90+ CRI (3000K)				
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)		
800LM	N/A	N/A	N/A		
1200LM	1136	15.4	74		
2000LM	1593	23.2	69		

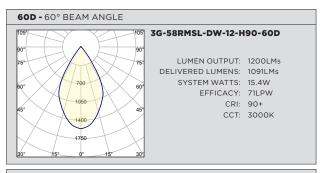
PHOTOMETRY (PER FIXTURE HEAD)

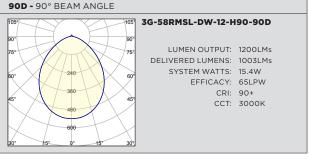














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Catalog Number 3G-58RMSL TW 20 H90 40D UNV DMX WT WG WH S-4' 12

Туре

Notes

3G LIGHTING

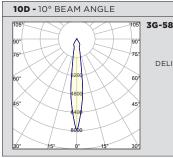
3G-58RMSL

5.8" RECESSED MADISON SLOT DYNAMIC WHITE

PERFORMANCE CHART BASED ON 20° BEAM (PER FIXTURE HEAD)

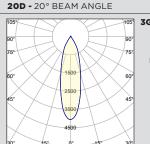
TUNABLE WHITE	90+ CRI (2700K)			90	90+ CRI (3500K)		90+ CRI (6500K)		
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LM	1066	16.6	64	1091	16.6	66	1221	16.6	74
2000LM	1491	24.5	61	1561	24.5	64	1684	24.5	69

PHOTOMETRY (PER FIXTURE HEAD)



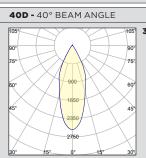
3G-58RMSL-TW-08-H90-10D

LUMEN OUTPUT: 800LMs
DELIVERED LUMENS: 789LMs
SYSTEM WATTS: 12.6W
EFFICACY: 63LPW
CRI: 90+
CCT: 3500K



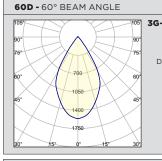
105 3G-58RMSL-TW-12-H90-20D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1091LMs
SYSTEM WATTS: 24.5W
EFFICACY: 66LPW
CRI: 90+
CCT: 3500K



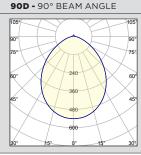
3G-58RMSL-TW-12-H90-40D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1027LMs
SYSTEM WATTS: 24.5W
EFFICACY: 62LPW
CRI: 90+
CCT: 3500K



3G-58RMSL-TW-12-H90-60D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1110LMs
SYSTEM WATTS: 24.5W
EFFICACY: 67LPW
CRI: 90+
CCT: 3500K



3G-58RMSL-TW-12-H90-90D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1022LMs
SYSTEM WATTS: 24.5W
EFFICACY: 62LPW
CRI: 90+
CCT: 3500K





Submitted By 16500, INC Catalog Number 3G-58RMSL TW 20 H90 40D UNV DMX WT WG WH S-4' 12 Туре

Notes

3G

3G-58RMSL

5.8" RECESSED MADISON SLOT DYNAMIC WHITE

TECHNICAL

HOUSING

Housing constructed in extruded aluminum and cold rolled steel

Designed for continuous runs in various configurations. Available in 6" increments

Maximum ceiling thickness of 1.75". Consult factory for modifications

Standard matte black powder coated finish with optional matte white finish

Trim flange with matte white powder coated finish and minimal 0.400" overlap

Trimless model features an extruded aluminum mudding flange for seamless ceiling integration

Integral aluminum blocking support also provided to ensure fixture is properly secured within ceiling structure

ADJUSTABILITY

Solid aluminum, 70mm double gimbals with dual axis adjustability (45°x45°)

Individual fixture heads can slide left or right within the channel. Easily adjustable in field

Each double gimbal can be locked in place

OPTICS

Regressed LED source for enhanced glare control

Proprietary anodized, aluminum reflectors are field replaceable (10° reflector not interchangeable)

Available in 10°, 20°, 40°, 60° and 90°

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V driver

Lutron EcoSystem and eldoLED DALI options available with 100-1% dimming

eldoLED 0-10V, 100-0.01% dimming range available (D01)

DMX drivers available with 100-0% dimming range

120V Forward Phase/Reverse Phase driver option with 100-1% dimming

Individual fixture sections can be wired independently

All drivers are integral and easily accessible through the channel aperture

Remote emergency battery operates for 90 minutes at 10W (not accessible within channel)

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

New construction housing suspended via 1/4" threaded rod or suspension cables (by others)

Trim fixture designed for use in drywall, wood, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Flangeless fixture designed for use in wood ceilings

Suitable for various grid ceiling applications (see mounting details)

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By

Catalog Number

3G-58RMSL TW 20 H90 40D UNV DMX WT WG WH S-4' 12

16500, INC

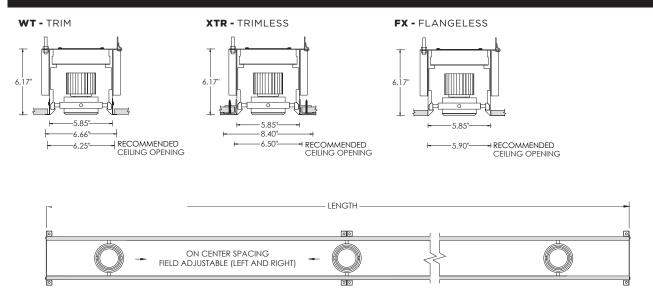
Notes

Туре

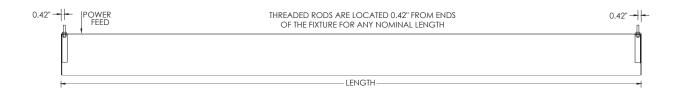
3G-58RMSL

5.8" RECESSED MADISON SLOT DYNAMIC WHITE

DRAWINGS AND DIMENSIONS HARD CEILING



MOUNTING DETAILS HARD CEILING





Submitted By 16500, INC Catalog Number

Notes

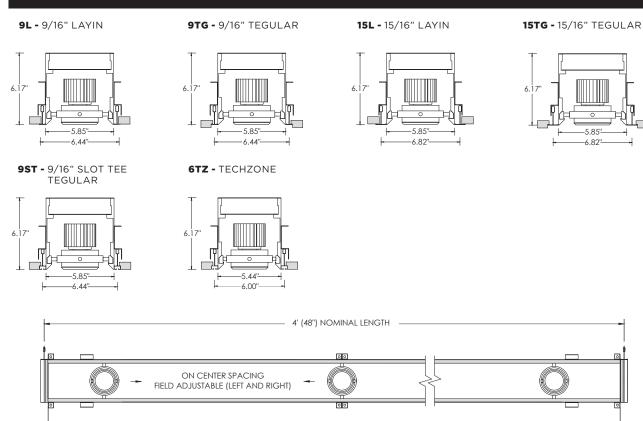
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Туре

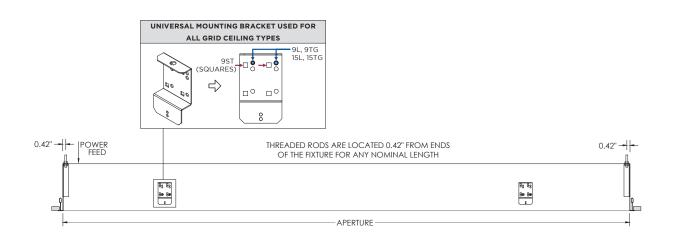
3G-58RMSL

5.8" RECESSED MADISON SLOT DYNAMIC WHITE

DRAWINGS AND DIMENSIONS GRID CEILING



MOUNTING DETAILS GRID CEILING



46.92" OR 94.92" APERTURE



Submitted By 16500, INC Catalog Number 3G-58RMSL TW 20 H90 40D UNV DMX WT WG WH S-4' 12

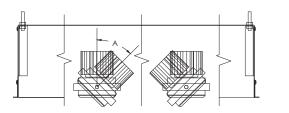
Notes

3G

3G-58RMSL

5.8" RECESSED MADISON SLOT DYNAMIC WHITE

GIMBAL ADJUSTABILITY



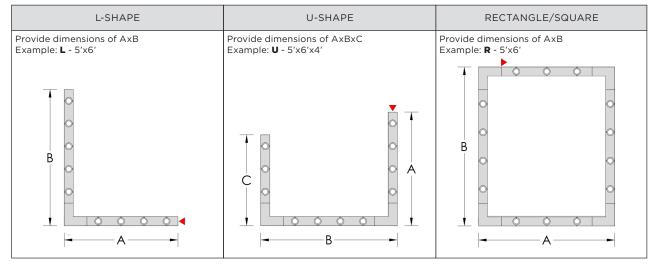
LUMEN OUTPUT	А	В
Up to 2200lm	45°	45°
3000lm/4000lm	45°	35°
5000lm	45°	20°

PATTERNS

Specify pattern shape and overall dimensions as shown below Patterns are connected with 12"x12" mitered corner sections (Fixture heads not available) Please consult factory for custom patterns and shapes not shown below



Туре





Submitted By 16500, INC Catalog Number 3G-PM1 TW 20 H90 40D UNV DMX WG WH 60

Notes

Туре



CAT. NO

3G-PM1

1 LIGHT MADISON PENDANT MOUNTED DYNAMIC WHITE

Extruded aluminum housing with fabricated mitered corners Housing design features a beveled edge with no visible hardware Machined aluminum double gimbals. Adjustable and lockable 2.75" Regressed LED source for enhanced glare control Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) Adjustable aircraft cable suspension 1% dimming standard with integral drivers

LED SOURCE



BEAM ANGLE



VOLTAGE



ORDERING INFORMATION

3G-PM1	TW - TUNA	O WARM .3000K) BLE WHITE ¹ K-6500K)	08 - 800 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	10D - 10° 2 20D - 20° 40D - 40° 60D - 60° 90D - 90°	* or supplied	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)
DRIVER		GIMBAL FI	INISH	HOUSING		CABLE LEN	NGTH
DIM - 0-10V (STANDAR LE - PHASE DIMMIN (TRIAC/ELV, 100-1 DO1 - 0-10V (eldoLED, 10 DALI - DALI (eldoLED, 10 (1% ECOSYSTEM) DMX - DMX (eldoLED, 10	G ³ (%) (100-0.1%) ¹ (100-1%) ^{1,4} (ME LDE1	NG - NATU BG - BLAC WG - WHIT		BK - BLACK WH - WHITE SV - SILVER CF - CUSTOM Housing interior & exterior of powder coated the same coated		120" - 120"	nopies provided in matte
OPTIONS							
SF70 - SOFTENING L LS70 - LINEAR SPRE SB70 - SANDBLASTE HXB70 - BLACK HEXCE BCN - BLACK CANO SCN - SILVER CANO	AD LENS D LENS ELL LOUVER PY						

CRI

LUMEN OUTPUT

- Maximum 3 optical accessories. See optical accessories page for more options 1 Tunable White option available with D01, DALI and DMX drivers

- 2 10D reflector available with 800 lumen output only
 3 Forward Phase/Reverse Phase driver available in 120V only
 4 DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options

3GD - Warm Dim

3G - Tunable White





Submitted By 16500, INC Catalog Number 3G-PM1 TW 20 H90 40D UNV DMX WG WH 60

Туре

Notes

3G LIGHTING

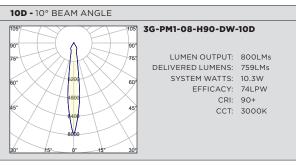
3G-PM1

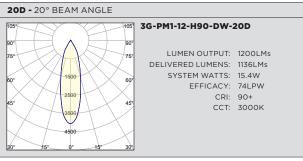
1 LIGHT MADISON PENDANT MOUNTED DYNAMIC WHITE

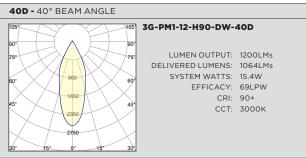
PERFORMANCE CHART BASED ON 20° BEAM AND 3000K SOURCE (PER FIXTURE HEAD)

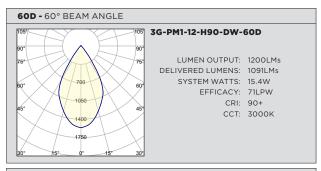
DIM TO WARM	9	90+ CRI (3000K)					
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)				
800LMs	N/A	N/A	N/A				
1200LMs	1136	15.4	74				
2000LMs	1593	23.2	69				

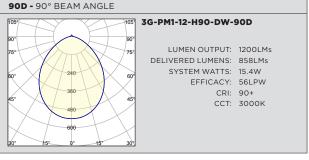
PHOTOMETRY (PER FIXTURE HEAD)













Submitted By 16500, INC

Catalog Number 3G-PM1 TW 20 H90 40D UNV DMX WG WH 60

Туре

Notes

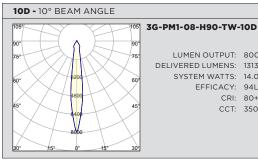
3G-PM1

1 LIGHT MADISON PENDANT MOUNTED DYNAMIC WHITE

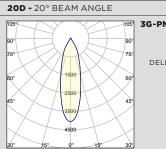
PERFORMANCE CHART BASED ON 20° BEAM (PER FIXTURE HEAD)

90+ CRI (2700K)			90	90+ CRI (3500K)			90+ CRI (6500K)		
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1066	16.6	64	1091	16.6	66	1221	16.6	74
2000LMs	1491	24.5	61	1561	24.5	64	1684	24.5	69

PHOTOMETRY (PER FIXTURE HEAD)

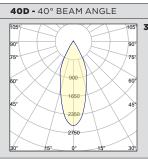


LUMEN OUTPUT: 800LMs DELIVERED LUMENS: 1313LMs SYSTEM WATTS: 14.0W EFFICACY: 94LPW CRI: 80+ CCT: 3500K



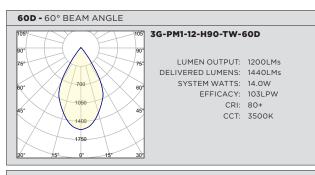
105 3G-PM1-12-H90-TW-20D

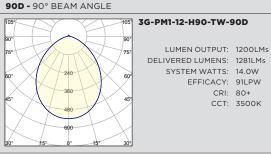
LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1444LMs SYSTEM WATTS: 14.0W EFFICACY: 103LPW CRI: 80+ CCT: 3500K



3G-PM1-12-H90-TW-40D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1426LMs SYSTEM WATTS: 14.0W EFFICACY: 102LPW CRI: 80+ CCT: 3500K







Submitted By 16500, INC Catalog Number 3G-PM1 TW 20 H90 40D UNV DMX WG WH 60

Туре

Notes

3G LIGHTING

3G-PM1

1 LIGHT MADISON PENDANT MOUNTED DYNAMIC WHITE

TECHNICAL

HOUSING

Extruded aluminum housing with fabricated mitered corners

Housing design features a beveled edge with no visible hardware

Integral driver compartment fabricated in cold rolled steel

Standard polyester powder coated interior and exterior available in matte white, matte black, and matte silver

ADJUSTABILITY

Solid aluminum, 70mm machined double gimbals with dual axis adjustability (45°x45°)

Each double gimbal can be locked into place

OPTICS

Regressed LED source for enhanced glare control

 $Proprietary\ anodized,\ aluminum\ reflectors\ are\ field\ replaceable\ (10^{\circ}\ reflector\ not\ interchangeable)$

Available in 10°, 20°, 40°, 60°, and 90°

Fixture head designed to accept 3 optical accessories

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through the top of the fixture housing

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Suitable for drywall, concrete, wood, grid ceiling, and other architectural ceilings (see mounting details)

Adjustable aircraft cable suspension with locking fasteners (60" length standard)

Standard, 18-gauge, 5 conductor single circuit power feed (clear braided finish)

Fixture mounts to a standard junction box

All mounting canopies provided in matte white powder coated finish as standard

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-PM1 TW 20 H90 40D UNV DMX WG WH 60

Туре

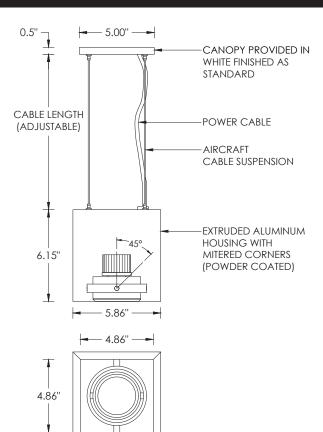
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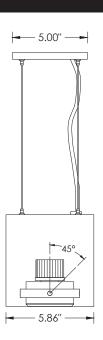
3G

3G-PM1

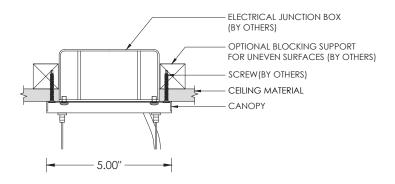
1 LIGHT MADISON PENDANT MOUNTED DYNAMIC WHITE

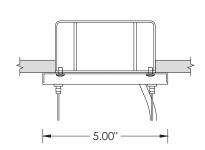
DRAWINGS AND DIMENSIONS





MOUNTING







Submitted By 16500, INC

Catalog Number 3G-PM2 TW 20 H90 40D UNV DMX WG WH 60

Notes



3G-PM2

2 LIGHT MADISON PENDANT MOUNTED DYNAMIC WHITE

Extruded aluminum housing with fabricated mitered corners Housing design features a beveled edge with no visible hardware Machined aluminum double gimbals. Adjustable and lockable 2.75" Regressed LED source for enhanced glare control Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) Adjustable aircraft cable suspension 1% dimming standard with integral drivers







Туре

ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-PM2	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE 1 (2700K-6500K)	8 - 800 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	10D - 10° ² 20D - 20° 40D - 40° 60D - 60° 90D - 90° *	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)
				* 90D reflector supplied standard with lens	

DRIVER	GIMBAL FINISH	HOUSING	CABLE LENGTH
DIM - 0-10V (STANDARD 100-1%)	NG - NATURAL (STANDARD)	BK - BLACK	60" - 60" (STANDARD)
LE - PHASE DIMMING 3	BG - BLACK	WH - WHITE	120" - 120"
(TRIAC/ELV, 100-1%)	WG - WHITE	SV - SILVER	
D01 - 0-10V (eldoLED, 100-0.1%) ¹		CF - CUSTOM	
DALI - DALI (eldoLED, 100-1%) 1,4			
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)			
DMX - DMX (eldoLED, 100-0%) 1			
		Housing interior & exterior will be powder coated the same color	Mounting canopies provided in matte white finish as standard

OPTIONS

SF70 - SOFTENING LENS

LS70 - LINEAR SPREAD LENS

SB70 - SANDBLASTED LENS

HXB70 - BLACK HEXCELL LOUVER

BCN - BLACK CANOPY

- SILVER CANOPY SCN

1 Tunable White option available with D01, DALI and DMX drivers

2 10D reflector available with 800 lumen output only
3 Forward Phase/Reverse Phase driver available in 120V only
4 DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options

Maximum 3 optical accessories. See optical accessories page for more options

3GD - Warm Dim

3G - Tunable White





Submitted By 16500, INC Catalog Number 3G-PM2 TW 20 H90 40D UNV DMX WG WH 60

Туре

Notes

3C LIGHTING

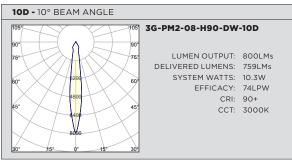
3G-PM2

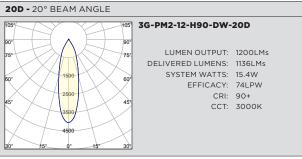
2 LIGHT MADISON PENDANT MOUNTED DYNAMIC WHITE

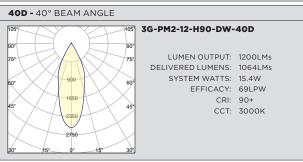
PERFORMANCE CHART BASED ON 20° BEAM AND 3000K SOURCE (PER FIXTURE HEAD)

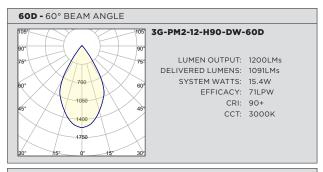
DIM TO WARM	9	90+ CRI (3000K)					
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)				
800LMs	N/A	N/A	N/A				
1200LMs	1136	15.4	74				
2000LMs	1593	23.2	69				

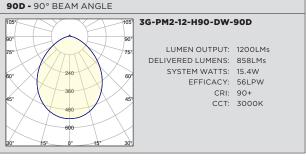
PHOTOMETRY (PER FIXTURE HEAD)













Submitted By 16500, INC

Catalog Number 3G-PM2 TW 20 H90 40D UNV DMX WG WH 60

Туре

Notes

3G LIGHTING

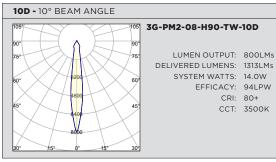
3G-PM2

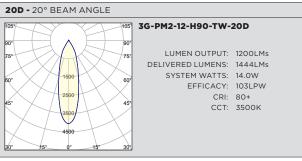
2 LIGHT MADISON PENDANT MOUNTED DYNAMIC WHITE

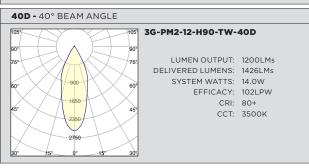
PERFORMANCE CHART BASED ON 20° BEAM (PER FIXTURE HEAD)

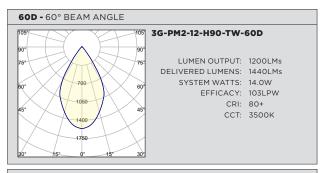
TUNA DI E MULTE	90+ CRI (2700K)			90	0+ CRI (3500	к)	90+ CRI (6500K)		
TUNABLE WHITE LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1066	16.6	64	1091	16.6	66	1221	16.6	74
2000LMs	1491	24.5	61	1561	24.5	64	1684	24.5	69

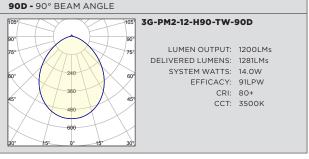
PHOTOMETRY (PER FIXTURE HEAD)













Submitted By 16500, INC Catalog Number 3G-PM2 TW 20 H90 40D UNV DMX WG WH 60

Туре

Notes

3G LIGHTING

3G-PM2

2 LIGHT MADISON PENDANT MOUNTED DYNAMIC WHITE

TECHNICAL

HOUSING

Extruded aluminum housing with fabricated mitered corners

Housing design features a beveled edge with no visible hardware

Integral driver compartment fabricated in cold rolled steel

Standard polyester powder coated interior and exterior available in matte white, matte black, and matte silver

ADJUSTABILITY

Solid aluminum, 70mm machined double gimbals with dual axis adjustability (45°x45°)

Each double gimbal can be locked into place

OPTICS

Regressed LED source for enhanced glare control

 $Proprietary\ anodized,\ aluminum\ reflectors\ are\ field\ replaceable\ (10^{\circ}\ reflector\ not\ interchangeable)$

Available in 10°, 20°, 40°, 60°, and 90°

Fixture head designed to accept 3 optical accessories

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through the top of the fixture housing

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Suitable for drywall, concrete, wood, grid ceiling, and other architectural ceilings (see mounting details)

Adjustable aircraft cable suspension with locking fasteners (60" length standard)

Standard, 18-gauge, 5 conductor single circuit power feed (clear braided finish)

Fixture mounts to a standard junction box

All mounting canopies provided in matte white powder coated finish as standard

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-PM2 TW 20 H90 40D UNV DMX WG WH 60

Туре

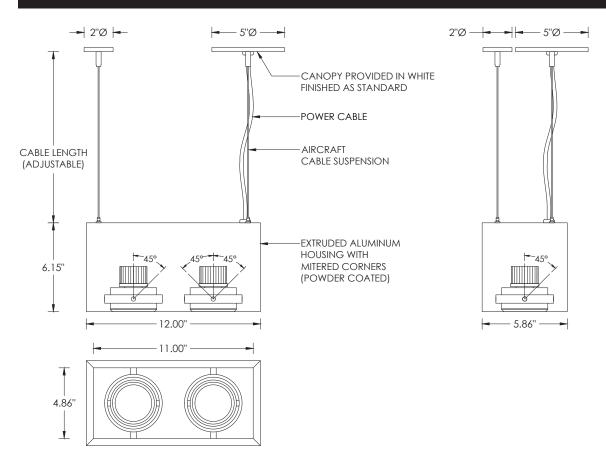
Notes

3G LIGHTING

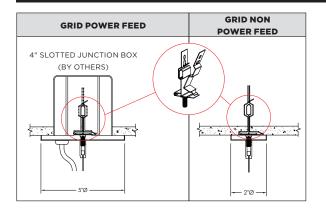
3G-PM2

2 LIGHT MADISON PENDANT MOUNTED DYNAMIC WHITE

DRAWINGS AND DIMENSIONS



MOUNTING DETAILS



DRYWALL POWER FEED	DRYWALL NON POWER FEED
OCTAGON JUNCTION BOX (BY OTHERS)	
50	-20-





Submitted By 16500, INC

Catalog Number 3G-PM3 TW 20 H90 40D UNV DMX WG WH 60

Notes



3G-PM3

3 LIGHT MADISON PENDANT MOUNTED DYNAMIC WHITE

Extruded aluminum housing with fabricated mitered corners Housing design features a beveled edge with no visible hardware Machined aluminum double gimbals. Adjustable and lockable 2.75" Regressed LED source for enhanced glare control Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) Adjustable aircraft cable suspension 1% dimming standard with integral drivers





Туре

ORDERING INFORMATION

CAT. NO	LED SOURCE	E	LUMEN OUTPUT	CRI	BEAM ANG	LE	VOLTAGE
3G-PM3	DW - DIM TO (1800-30		08 - 800 LUMENS	H90 - 90+ CRI	10D - 10°2		UNV - 120/277V
	TW - TUNABL	_	12 - 1200 LUMENS		20D - 20°		120 - 120V
	(2700K-		20 - 2000 LUMENS		40D - 40°		347 - 347V
					60D - 60°		(0-10V ONLY)
					90D - 90° *	,	
					* 90D reflector standard wi		

DRIVER	GIMBAL FINISH	HOUSING	CABLE LENGTH
DIM • 0-10V (STANDARD 100-1%)	NG - NATURAL (STANDARD)	BK - BLACK	60" - 60" (STANDARD)
LE - PHASE DIMMING ³ (TRIAC/ELV, 100-1%)	BG - BLACK WG - WHITE	WH - WHITE SV - SILVER	120" - 120"
D01 - 0-10V (eldoLED, 100-0.1%) ¹ DALI - DALI (eldoLED, 100-1%) ^{1,4}	WG - WITTE	CF - CUSTOM	
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)			
DMX - DMX (eldoLED, 100-0%) ¹			
		Housing interior & exterior will be powder coated the same color	Mounting canopies provided in matte white finish as standard

OPTIONS

SF70 - SOFTENING LENS

LS70 - LINEAR SPREAD LENS

SB70 - SANDBLASTED LENS

HXB70 - BLACK HEXCELL LOUVER

BCN - BLACK CANOPY

- SILVER CANOPY SCN

1 Tunable White option available with D01, DALI and DMX drivers

2 10D reflector available with 800 lumen output only
3 Forward Phase/Reverse Phase driver available in 120V only
4 DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options

Maximum 3 optical accessories. See optical accessories page for more options

3GD - Warm Dim

3G - Tunable White





Submitted By 16500, INC

Catalog Number 3G-PM3 TW 20 H90 40D UNV DMX WG WH 60

Туре

Notes

3G

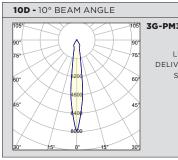
3G-PM3

3 LIGHT MADISON PENDANT MOUNTED DYNAMIC WHITE

PERFORMANCE CHART BASED ON 20° BEAM AND 3000K SOURCE (PER FIXTURE HEAD)

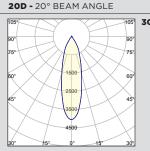
DIM TO WARM	90	90+ CRI (3000K)					
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)				
800LMs	N/A	N/A	N/A				
1200LMs	1136	15.4	74				
2000LMs	1593	23.2	69				

PHOTOMETRY (PER FIXTURE HEAD)



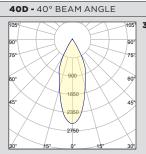
105 3G-PM3-08-H90-DW-10D

LUMEN OUTPUT: 800LMs
DELIVERED LUMENS: 759LMs
SYSTEM WATTS: 10.3W
EFFICACY: 74LPW
CRI: 90+
CCT: 3000K



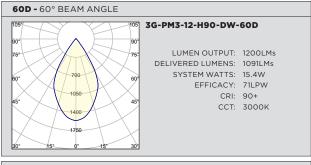
105 3G-PM3-12-H90-DW-20D

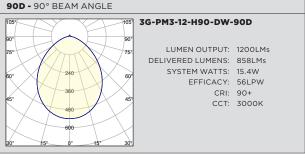
LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 135.4W
SYSTEM WATTS: 15.4W
EFFICACY: 74LPW
CRI: 90+
CCT: 3000K



3G-PM3-12-H90-DW-40D

LUMEN OUTPUT: 1200LMs
DELIVERED LUMENS: 1064LMs
SYSTEM WATTS: 15.4W
EFFICACY: 69LPW
CRI: 90+
CCT: 3000K







Submitted By 16500, INC

Catalog Number 3G-PM3 TW 20 H90 40D UNV DMX WG WH 60

Туре

Notes

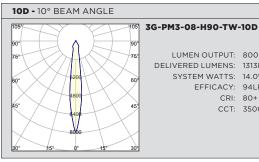
3G-PM3

3 LIGHT MADISON PENDANT MOUNTED DYNAMIC WHITE

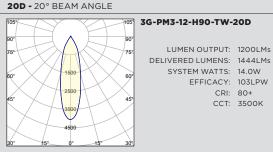
PERFORMANCE CHART BASED ON 20° BEAM (PER FIXTURE HEAD)

90+ CRI (2700K)			90	90+ CRI (3500K)			90+ CRI (6500K)		
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1066	16.6	64	1091	16.6	66	1221	16.6	74
2000LMs	1491	24.5	61	1561	24.5	64	1684	24.5	69

PHOTOMETRY (PER FIXTURE HEAD)



LUMEN OUTPUT: 800LMs DELIVERED LUMENS: 1313LMs SYSTEM WATTS: 14.0W EFFICACY: 94LPW CRI: 80+ CCT: 3500K



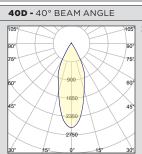
60D - 60° BEAM ANGLE

3G-PM3-12-H90-TW-60D LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1440LMs SYSTEM WATTS: 14.0W EFFICACY: 103LPW 1050 CRI: 80+ CCT: 3500K



90D - 90° BEAM ANGLE

105 3G-PM3-12-H90-TW-90D LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1281LMs SYSTEM WATTS: 14.0W EFFICACY: 91LPW CRI: 80+ CCT: 3500K



3G-PM3-12-H90-TW-40D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1426LMs SYSTEM WATTS: 14.0W EFFICACY: 102LPW CRI: 80+ CCT: 3500K



Submitted By 16500, INC Catalog Number 3G-PM3 TW 20 H90 40D UNV DMX WG WH 60

Туре

Notes

3G LIGHTING

3G-PM3

3 LIGHT MADISON PENDANT MOUNTED DYNAMIC WHITE

TECHNICAL

HOUSING

Extruded aluminum housing with fabricated mitered corners

Housing design features a beveled edge with no visible hardware

Integral driver compartment fabricated in cold rolled steel

Standard polyester powder coated interior and exterior available in matte white, matte black, and matte silver

ADJUSTABILITY

Solid aluminum, 70mm machined double gimbals with dual axis adjustability (45°x45°)

Each double gimbal can be locked into place

OPTICS

Regressed LED source for enhanced glare control

 $Proprietary\ anodized,\ aluminum\ reflectors\ are\ field\ replaceable\ (10^{\circ}\ reflector\ not\ interchangeable)$

Available in 10°, 20°, 40°, 60°, and 90°

Fixture head designed to accept 3 optical accessories

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through the top of the fixture housing

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Suitable for drywall, concrete, wood, grid ceiling, and other architectural ceilings (see mounting details)

Adjustable aircraft cable suspension with locking fasteners (60" length standard)

Standard, 18-gauge, 5 conductor single circuit power feed (clear braided finish)

Fixture mounts to a standard junction box

All mounting canopies provided in matte white powder coated finish as standard

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-PM3 TW 20 H90 40D UNV DMX WG WH 60

Туре

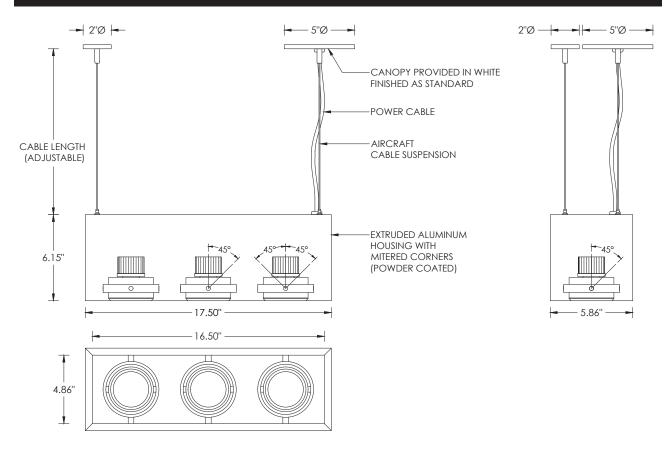
Notes

3G LIGHTING

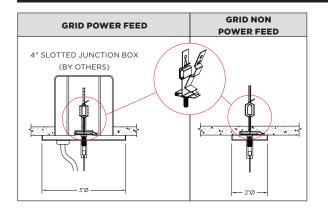
3G-PM3

3 LIGHT MADISON PENDANT MOUNTED DYNAMIC WHITE

DRAWINGS AND DIMENSIONS



MOUNTING DETAILS



DRYWALL POWER FEED	DRYWALL NON POWER FEED
OCTAGON JUNCTION BOX (BY OTHERS)	
570	- 20





Submitted By 16500, INC Catalog Number

Notes

Туре 3G-SM1 TW 20 H90 40D UNV DMX WG WH



3G-SM1

1 LIGHT MADISON SURFACE MOUNTED DYNAMIC WHITE

Extruded aluminum housing with fabricated mitered corners Housing design features a beveled edge with no visible hardware Machined aluminum double gimbals. Adjustable and lockable 2.75" Regressed LED source for enhanced glare control Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) Adjustable aircraft cable suspension 1% dimming standard with integral drivers







ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-SM1	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE 1 (2700K-6500K)	08 - 800 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	10D - 10° 2 20D - 20° 40D - 40° 60D - 60° 90D - 90° *	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)

DRIVER	GIMBAL FINISH	HOUSING	OPTIONS
DIM - 0-10V (STANDARD 100-1%)	NG - NATURAL (STANDARD)	BK - BLACK	CDF - CONDUIT FEED
LE - PHASE DIMMING 3	BG - BLACK	WH - WHITE	SF70 - SOFTENING LENS
(TRIAC/ELV, 100-1%)	WG - WHITE	SV - SILVER	LS70 - LINEAR SPREAD LENS
D01 - 0-10V (eldoLED, 100-0.1%) ¹		CF - CUSTOM	SB70 - SANDBLASTED LENS
DALI - DALI (eldoLED, 100-1%) 1,4			HXB70 - BLACK HEXCELL LOUVER
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)			
DMX - DMX (eldoLED, 100-0%) 1			
			Maximum 3 optical accessories.
		Housing interior & exterior will be powder coated the same color	See optical accessories page for more options

- Tunable White option available with DO1, DALI and DMX drivers
 10D reflector available with 800 lumen output only
 Forward Phase/Reverse Phase driver available in 120V only
 DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options

3GD - Warm Dim

3GT - Tunable White





Submitted By 16500, INC

Catalog Number 3G-SM1 TW 20 H90 40D UNV DMX WG WH

Туре

Notes

3G

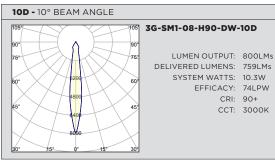
3G-SM1

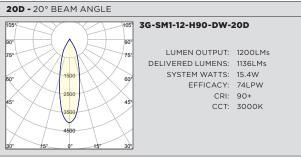
1 LIGHT MADISON SURFACE MOUNTED DYNAMIC WHITE

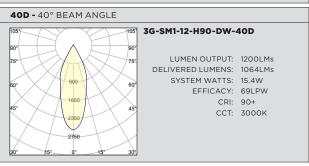
PERFORMANCE CHART BASED ON 20° BEAM AND 3000K SOURCE

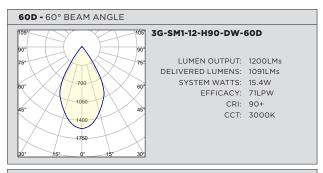
DIM TO WARM	90+ CRI (3000K)				
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)		
800LMs	N/A	N/A	N/A		
1200LMs	1136	15.4	74		
2000LMs	1593	23.2	69		

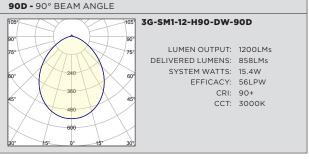
PHOTOMETRY













Submitted By 16500, INC

Catalog Number 3G-SM1 TW 20 H90 40D UNV DMX WG WH

Туре

Notes

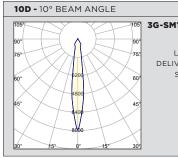
3G-SM1

1 LIGHT MADISON SURFACE MOUNTED DYNAMIC WHITE

PERFORMANCE CHART BASED ON 20° BEAM

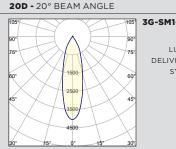
TUNABLE WHITE LUMEN OUTPUT	90+ CRI (2700K)		90+ CRI (3500K)			90+ CRI (6500K)			
	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1066	16.6	64	1091	16.6	66	1221	16.6	74
2000LMs	1491	24.5	61	1561	24.5	64	1684	24.5	69

PHOTOMETRY



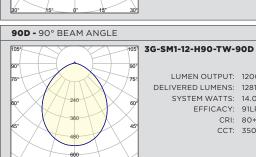
3G-SM1-08-H90-TW-10D

LUMEN OUTPUT: 800LMs DELIVERED LUMENS: 1313LMs SYSTEM WATTS: 14.0W EFFICACY: 94LPW CRI: 80+ CCT: 3500K



105 3G-SM1-12-H90-TW-20D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1444LMs SYSTEM WATTS: 14.0W EFFICACY: 103LPW CRI: 80+ CCT: 3500K



1050

60D - 60° BEAM ANGLE

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1281LMs SYSTEM WATTS: 14.0W EFFICACY: 91LPW CRI: 80+ CCT: 3500K

3G-SM1-12-H90-TW-60D

LUMEN OUTPUT: 1200LMs

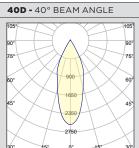
EFFICACY: 103LPW

CRI: 80+

CCT: 3500K

DELIVERED LUMENS: 1440LMs

SYSTEM WATTS: 14.0W



3G-SM1-12-H90-TW-40D

LUMEN OUTPUT: 1200LMs DELIVERED LUMENS: 1426LMs SYSTEM WATTS: 14.0W EFFICACY: 102LPW CRI: 80+ CCT: 3500K



Submitted By 16500, INC Catalog Number 3G-SM1 TW 20 H90 40D UNV DMX WG WH

Туре

Notes

3G LIGHTING

3G-SM1

1 LIGHT MADISON SURFACE MOUNTED DYNAMIC WHITE

TECHNICAL

HOUSING

Extruded aluminum housing with fabricated mitered corners

Housing design features a beveled edge with no visible hardware

Integral driver compartment fabricated in cold rolled steel

Standard polyester powder coated interior and exterior available in matte white, matte black, and matte silver

ADJUSTABILITY

Solid aluminum, 70mm machined double gimbals with dual axis adjustability (45°x45°)

Each double gimbal can be locked into place

OPTICS

Regressed LED source for enhanced glare control

Proprietary anodized, aluminum reflectors are field replaceable (10° reflector not interchangeable)

Available in 10°, 20°, 40°, 60°, and 90°

Fixture head designed to accept 3 optical accessories

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through the top of the fixture housing

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Suitable for surface mounted applications

Suitable for drywall, concrete, wood, grid ceiling, and other architectural ceilings

Fixture mounts to a standard junction box

Optional conduit feed available

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC

Catalog Number 3G-SM1 TW 20 H90 40D UNV DMX WG WH

Туре

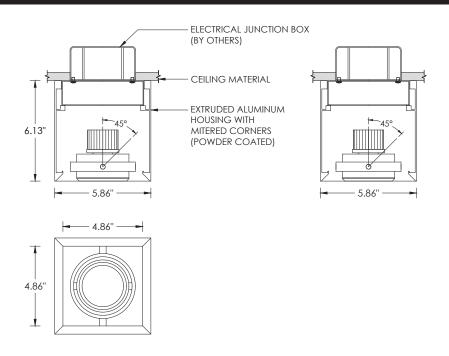
Notes

3G LIGHTING

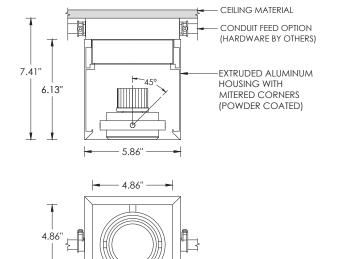
3G-SM1

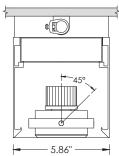
1 LIGHT MADISON SURFACE MOUNTED DYNAMIC WHITE

DRAWINGS AND DIMENSIONS STANDARD JUNCTION BOX



DRAWINGS AND DIMENSIONS CONDUIT FEED OPTION









Submitted By 16500, INC

Catalog Number 3G-SM2 TW 20 H90 40D UNV DMX WG WH

Notes

Туре



3G-SM2

2 LIGHT MADISON SURFACE MOUNTED DYNAMIC WHITE

Extruded aluminum housing with fabricated mitered corners Housing design features a beveled edge with no visible hardware Machined aluminum double gimbals. Adjustable and lockable 2.75" Regressed LED source for enhanced glare control Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) Adjustable aircraft cable suspension 1% dimming standard with integral drivers







ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-SM2	DW - DIM TO WARM (1800-3000K) TW - TUNABLE WHITE ¹ (2700K-6500K)	08 - 800 LUMENS 12 - 1200 LUMENS 20 - 2000 LUMENS	H90 - 90+ CRI	10D - 10° 2 20D - 20° 40D - 40° 60D - 60° 90D - 90° *	UNV - 120/277V 120 - 120V 347 - 347V (0-10V ONLY)

DRIVER	GIMBAL FINISH	HOUSING	OPTIONS
DIM - 0-10V (STANDARD 100-1%)	NG - NATURAL (STANDARD)	BK - BLACK	CDF - CONDUIT FEED
LE - PHASE DIMMING 3	BG - BLACK	WH - WHITE	SF70 - SOFTENING LENS
(TRIAC/ELV, 100-1%)	WG - WHITE	SV - SILVER	LS70 - LINEAR SPREAD LENS
D01 - 0-10V (eldoLED, 100-0.1%) ¹		CF - CUSTOM	SB70 - SANDBLASTED LENS
DALI - DALI (eldoLED, 100-1%) 1,4			HXB70 - BLACK HEXCELL LOUVER
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)			
DMX - DMX (eldoLED, 100-0%) 1			
			Maximum 3 optical accessories.
		Housing interior & exterior will be powder coated the same color	See optical accessories page for more options

- Tunable White option available with DO1, DALI and DMX drivers
 10D reflector available with 800 lumen output only
 Forward Phase/Reverse Phase driver available in 120V only
 DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options

3GD - Warm Dim

3GT - Tunable White





Submitted By 16500, INC

Catalog Number 3G-SM2 TW 20 H90 40D UNV DMX WG WH

Туре

Notes

3G LIGHTING

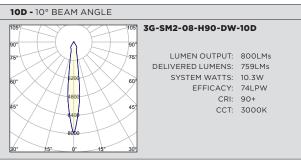
3G-SM2

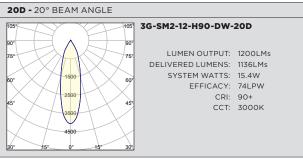
2 LIGHT MADISON SURFACE MOUNTED DYNAMIC WHITE

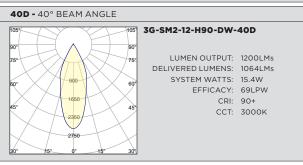
PERFORMANCE CHART BASED ON 20° BEAM AND 3000K SOURCE (PER FIXTURE HEAD)

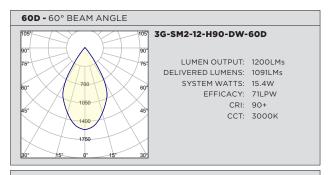
DIM TO WARM	90+ CRI (3000K)					
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)			
800LMs	N/A	N/A	N/A			
1200LMs	1136	15.4	74			
2000LMs	1593	23.2	69			

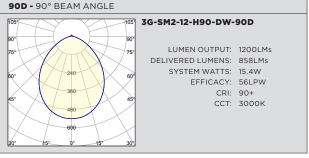
PHOTOMETRY (PER FIXTURE HEAD)













Submitted By 16500, INC Catalog Number 3G-SM2 TW 20 H90 40D UNV DMX WG WH

Туре

Notes

3G LIGHTING

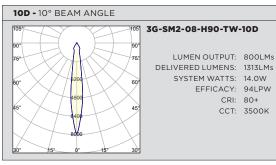
3G-SM2

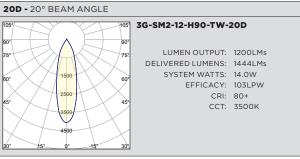
2 LIGHT MADISON SURFACE MOUNTED DYNAMIC WHITE

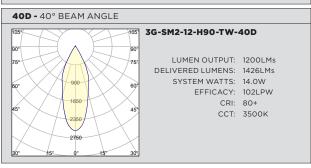
PERFORMANCE CHART BASED ON 20° BEAM (PER FIXTURE HEAD)

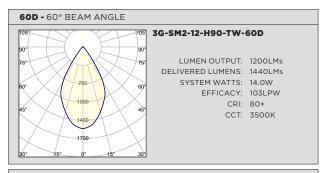
TUNABLE WHITE	90+ CRI (2700K)			90+ CRI (3500K)			90+ CRI (6500K)		
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1066	16.6	64	1091	16.6	66	1221	16.6	74
2000LMs	1491	24.5	61	1561	24.5	64	1684	24.5	69

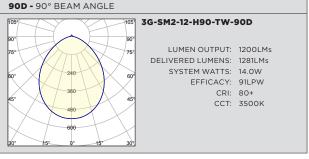
PHOTOMETRY (PER FIXTURE HEAD)













Submitted By 16500, INC Catalog Number 3G-SM2 TW 20 H90 40D UNV DMX WG WH

Туре

Notes

3G LIGHTING

3G-SM2

2 LIGHT MADISON SURFACE MOUNTED DYNAMIC WHITE

TECHNICAL

HOUSING

Extruded aluminum housing with fabricated mitered corners

Housing design features a beveled edge with no visible hardware

Integral driver compartment fabricated in cold rolled steel

Standard polyester powder coated interior and exterior available in matte white, matte black, and matte silver

ADJUSTABILITY

Solid aluminum, 70mm machined double gimbals with dual axis adjustability (45°x45°)

Each double gimbal can be locked into place

OPTICS

Regressed LED source for enhanced glare control

Proprietary anodized, aluminum reflectors are field replaceable (10° reflector not interchangeable)

Available in 10°, 20°, 40°, 60°, and 90°

Fixture head designed to accept 3 optical accessories

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through the top of the fixture housing

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Suitable for surface mounted applications

Suitable for drywall, concrete, wood, grid ceiling, and other architectural ceilings

Fixture mounts to a standard junction box

Optional conduit feed available

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

 $\label{thm:material} \textbf{Manufacturer 1 Year Warranty for defects in material and workmanship under normal use}$

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-SM2 TW 20 H90 40D UNV DMX WG WH

Туре

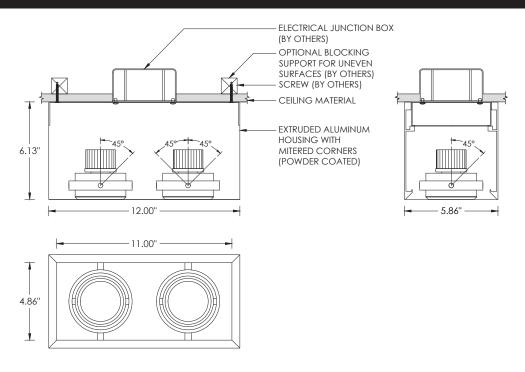
Notes

3G LIGHTING

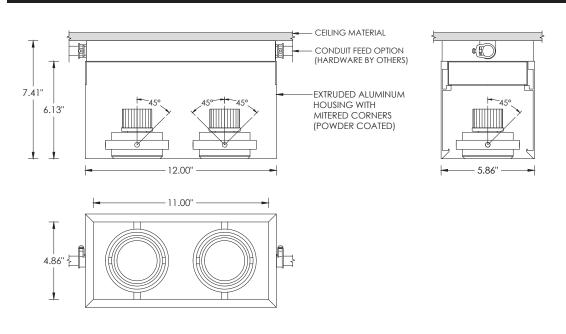
3G-SM2

2 LIGHT MADISON SURFACE MOUNTED DYNAMIC WHITE

DRAWINGS AND DIMENSIONS STANDARD JUNCTION BOX



DRAWINGS AND DIMENSIONS CONDUIT FEED OPTION







Submitted By 16500, INC Catalog Number 3G-SM3 TW 20 H90 40D UNV DMX WG WH

Notes

Туре



3G-SM3

3 LIGHT MADISON SURFACE MOUNTED DYNAMIC WHITE

Extruded aluminum housing with fabricated mitered corners Housing design features a beveled edge with no visible hardware Machined aluminum double gimbals. Adjustable and lockable 2.75" Regressed LED source for enhanced glare control Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI) Adjustable aircraft cable suspension 1% dimming standard with integral drivers







ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-SM3	DW - DIM TO WARM (1800-3000K)	08 - 800 LUMENS	H90 - 90+ CRI	10D - 10°2	UNV - 120/277V
		12 - 1200 LUMENS		20D - 20°	120 - 120V
	TW - TUNABLE WHITE 1 (2700K-6500K)	20 - 2000 LUMENS		40D - 40°	347 - 347V
				60D - 60°	(0-10V ONLY)
				90D - 90° *	
				* 90D reflector supplied standard with lens	

DRIVER	GIMBAL FINISH HOUSING		OPTIONS		
DIM - 0-10V (STANDARD 100-1%)	NG - NATURAL (STANDARD)	BK - BLACK	CDF - CONDUIT FEED		
LE - PHASE DIMMING 3	BG - BLACK	WH - WHITE	SF70 - SOFTENING LENS		
(TRIAC/ELV, 100-1%)	WG - WHITE	SV - SILVER	LS70 - LINEAR SPREAD LENS		
D01 - 0-10V (eldoLED, 100-0.1%) ¹		CF - CUSTOM	SB70 - SANDBLASTED LENS		
DALI - DALI (eldoLED, 100-1%) 1,4			HXB70 - BLACK HEXCELL LOUVER		
DHL2 - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)					
DMX - DMX (eldoLED, 100-0%) 1					
			Maximum 3 optical accessories.		
		Housing interior & exterior will be powder coated the same color	See optical accessories page for more options		

- Tunable White option available with DO1, DALI and DMX drivers
 10D reflector available with 800 lumen output only
 Forward Phase/Reverse Phase driver available in 120V only
 DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options

3GD - Warm Dim

3GT - Tunable White





Submitted By 16500, INC Catalog Number 3G-SM3 TW 20 H90 40D UNV DMX WG WH

Туре

Notes

3G

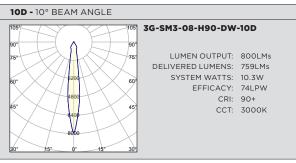
3G-SM3

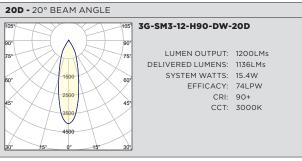
3 LIGHT MADISON SURFACE MOUNTED DYNAMIC WHITE

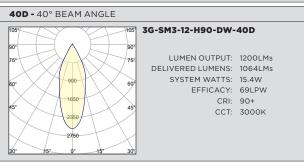
PERFORMANCE CHART BASED ON 20° BEAM AND 3000K SOURCE (PER FIXTURE HEAD)

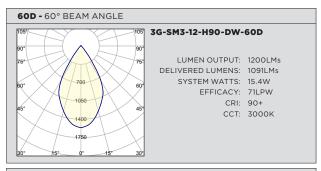
DIM TO WARM	90+ CRI (3000K)					
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)			
800LMs	N/A	N/A	N/A			
1200LMs	1136	15.4	74			
2000LMs	1593	23.2	69			

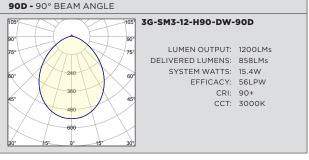
PHOTOMETRY (PER FIXTURE HEAD)













Submitted By 16500, INC Catalog Number 3G-SM3 TW 20 H90 40D UNV DMX WG WH

Туре

Notes

3G LIGHTING

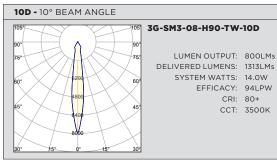
3G-SM3

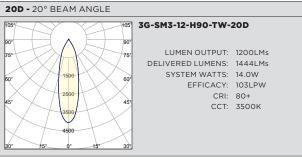
3 LIGHT MADISON SURFACE MOUNTED DYNAMIC WHITE

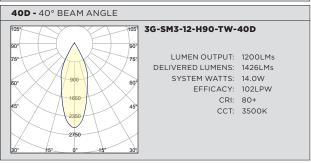
PERFORMANCE CHART BASED ON 20° BEAM (PER FIXTURE HEAD)

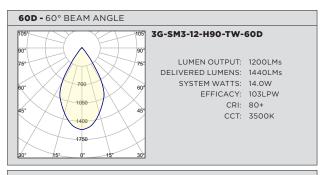
TUNABLE WHITE	90+ CRI (2700K)			90+ CRI (3500K)			90+ CRI (6500K)		
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
800LMs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1200LMs	1066	16.6	64	1091	16.6	66	1221	16.6	74
2000LMs	1491	24.5	61	1561	24.5	64	1684	24.5	69

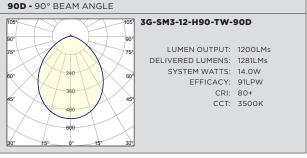
PHOTOMETRY (PER FIXTURE HEAD)













Submitted By 16500, INC Catalog Number 3G-SM3 TW 20 H90 40D UNV DMX WG WH

Туре

Notes

3G LIGHTING

3G-SM3

3 LIGHT MADISON SURFACE MOUNTED DYNAMIC WHITE

TECHNICAL

HOUSING

Extruded aluminum housing with fabricated mitered corners

Housing design features a beveled edge with no visible hardware

Integral driver compartment fabricated in cold rolled steel

Standard polyester powder coated interior and exterior available in matte white, matte black, and matte silver

ADJUSTABILITY

Solid aluminum, 70mm machined double gimbals with dual axis adjustability (45°x45°)

Each double gimbal can be locked into place

OPTICS

Regressed LED source for enhanced glare control

Proprietary anodized, aluminum reflectors are field replaceable (10° reflector not interchangeable)

Available in 10°, 20°, 40°, 60°, and 90°

Fixture head designed to accept 3 optical accessories

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

eldoLED 0-10V driver option available with 100-0.01% dimming range

eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range

DMX driver option available with 100-0% dimming range

All drivers are integral and easily accessible through the top of the fixture housing

LED SYSTEM

Bridgelux LED module (field replaceable)

Color consistency <3 SDCM

Standard 90+ CRI

Dim to Warm (1800K-3000K)

Tunable White (2700K-6500K)

L70 >50,000 hours

5 Year Warranty

MOUNTING

Suitable for surface mounted applications

Suitable for drywall, concrete, wood, grid ceiling, and other architectural ceilings

Fixture mounts to a standard junction box

Optional conduit feed available

LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

 $\label{thm:material} \textbf{Manufacturer 1 Year Warranty for defects in material and workmanship under normal use}$

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-SM3 TW 20 H90 40D UNV DMX WG WH

Туре

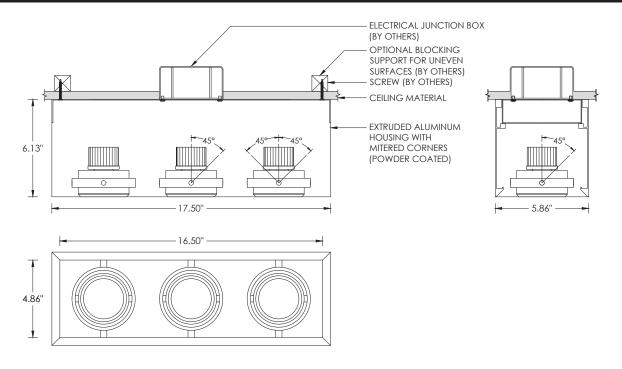
Notes

3G

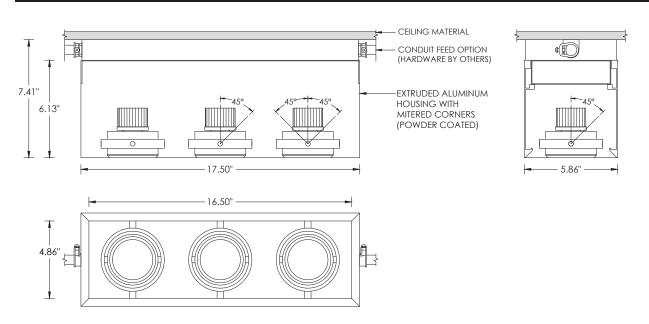
3G-SM3

3 LIGHT MADISON SURFACE MOUNTED DYNAMIC WHITE

DRAWINGS AND DIMENSIONS STANDARD JUNCTION BOX



DRAWINGS AND DIMENSIONS CONDUIT FEED OPTION





Submitted By 16500, INC

Catalog Number Туре 3G-4RPE TW L1000 H90 UNV DMX WT FL S-2' Notes



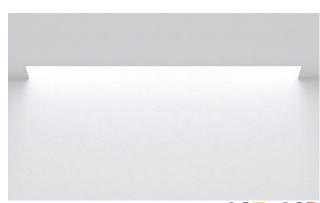
CAT. NO

3G-4RPE

3.5" RECESSED PERIMETER TUNABLE WHITE & RGBW

Narrow 3.5" aperture with one piece extruded aluminum housing Designed for continuous runs in 1' increments as standard 12" fully illuminated end filler option is field cuttable for odd lengths LED system with performance up to 147 lumens per watt Lens position available in flush, 1", 2" and 3" regressed options Asymmetric optics available 1% dimming standard with several integral driver options

LED SOURCE



CRI

3GB

VOLTAGE

ORDERING INFORMATION

3G-4RPE	(2700K-6500K) RGBW - INFINITE COLOR 1 (3500K WHITE)		L250 - LOW OUTPUT (L500 - MEDIUM OUTPUT L750 - HIGH OUTPUT L1000 - VERY HIGH OUTPUT L1000 - CUSTOM OUTPUT L1000 - CUSTOM OUTPUT L1000 - LC	PUT (500 LM/FT) T (750 LM/FT) UTPUT (1000 LM/FT) ³		S80 - 83+ 0 H90 - 93+ 0		UNV - 120/277V
			*Specify custom lumen outputs in 50lm increments (ie: LC600, LC650, LC700) Custom output cannot exceed LC1000 Lumen outputs suitable for white LED source only					
DRIVER		FLANGE TY	/PE	LENS POSITION		OPTIONS		
DO1 - 0-10V (STAN DALI - DALI (eldoLE DMX - DMX (eldoLE DHLT - LUTRON T S (2 CHANNEL 1	D, 100-1%) D, 100-0%)	*Grid ceiling f	ILESS NGELESS	RG2	- FLUSH - 1" REGRESSED - 2" REGRESSED - 3" REGRESSED		CP - CHIC DASY - AS	FILLER* RGENCY CIRCUIT ⁴ CAGO PLENUM YMMETRIC OPTIC ¹ minated end filler option is le for odd lengths
RUN TYPE								
S '(STRAIGHT F L 'X'(L-SH	HAPE)							
u - ′X′X	'(U-SHAPE)							

LUMEN OUTPUT

- 1 RGBW LED source available with S80 (83 +CRI) and DMX driver option only. Not available with asymmetric optic or EM options
- 2 L250 (250LM/FT) not available in 2' and 3' lengths. Specify LC400 for 2' and 3' fixture lengths when outputs lower than 500LM/FT are required
- 3 L1000 (1000LM/FT) not available for H90 (93+ CRI)

Use end filler option for odd lengths

* Individual units available in 2', 3', 4', 5', 6' and 8' Continuous runs available in 1' increments as standard

4 EMC (emergency circuit) option available for tunable white LED source only. Not available with RGBW

3G - Tunable White

3GB - RGBW





Submitted By 16500, INC Catalog Number 3G-4RPE TW L1000 H90 UNV DMX WT FL S-2'

Туре

Notes

3G LIGHTING

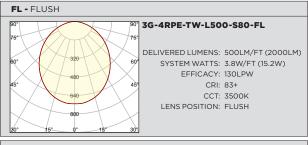
3G-4RPE

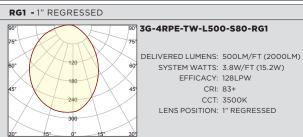
3.5" RECESSED PERIMETER TUNABLE WHITE & RGBW

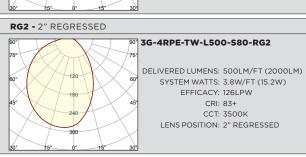
PERFORMANCE CHART BASED ON 4' LENGTH WITH FLUSH LENS (TUNABLE WHITE AND 83+ CRI)

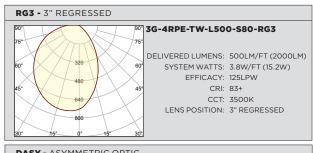
COLOR TEMP	DELIVERED LUMENS (LM/F)	SYSTEM WATTS (W/FT)	EFFICACY (LPW)
	250	1.9	126
2700K	500	3.8	121
2700K	750	5.8	119
	1000	8.0	118
	250	1.9	126
	500	3.8	121
3500K	750	5.8	119
	1000	8.0	118
	250	1.9	147
6500K	500	3.8	145
6500K	750	5.8	138
	1000	8.0	132
EFFICACY (LPW)	CRI	Multiplier	
ADJUSTMENT FACTOR	93+	0.88	

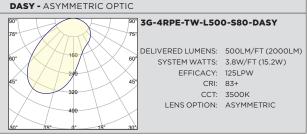
PHOTOMETRY PERFORMANCE CHARTS BASED ON A 4' FIXTURE WITH MEDIUM LUMEN OUTPUT OPTION (L500)













Submitted By 16500, INC Catalog Number 3G-4RPE TW L1000 H90 UNV DMX WT FL S-2'

Туре

Notes

3G

3G-4RPE

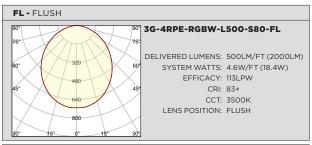
3.5" RECESSED PERIMETER TUNABLE WHITE & RGBW

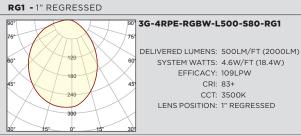
PERFORMANCE CHART BASED ON 4' LENGTH (RGBW WITH 83+ CRI AND 3500K SOURCE)

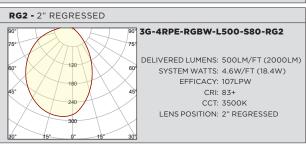
COLOR TEMP	DELIVERED LUMENS (LM/F)	SYSTEM WATTS (W/FT)	EFFICACY (LPW)
	250	2.2	119
3500K	500	4.6	113
3500K	750	7.8	96
	1000	11.3	89

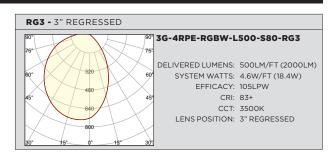
	RGB	INTENSITY Min - Max (mcd)
LUMINOUS INTENSITY	RED	355 - 805
PER LED	GREEN	710 - 1400
	BLUE	140 - 355

PHOTOMETRY PERFORMANCE CHARTS BASED ON A 4' FIXTURE WITH MEDIUM LUMEN OUTPUT OPTION (L500)











Project 21-12877-4 Date 6/24/2021

Tunable White | Color Tuning

Catalog Number

3G-4RPE TW L1000 H90 UNV DMX WT FL S-2'

Туре

Notes

Submitted By 16500, INC



3G-4RPE

3.5" RECESSED PERIMETER TUNABLE WHITE & RGBW

TECHNICAL

HOUSING

Extruded aluminum housing with narrow 3.5" aperture

Individual units and continuous runs available in 1' increments

12" fully illuminated end filler option is field cuttable for odd lengths

Trim flange with matte white powder coated finish and minimal 0.400" overlap

Trimless model features a satin coat mudding flange for seamless ceiling

24-gauge LED reflector with high reflectance white powder coated finish

Standard polyester powder coated matte white finish

OPTICS

Extruded, satin acrylic lens designed for optimal performance and glare control. Up to 8' continuous

Lens position available in flush, 1", 2" and 3" regressed options

High performance asymmetric optics available

ELECTRICAL

Luminaires are pre-wired with factory installed quick connects and branch circuit wiring

Standard 0-10V, constant current drivers with 100-0.1% dimming range and >0.9 power factor

eldoLED DALI driver option with 100-0.1% dimming range

eldoLED DMX driver option with 100-0% dimming range

Lutron T-series 2 channel tunable white driver option with 100-1% dimming range

All drivers are integral and easily accessible through luminaire aperture

LED SYSTEM FOR TUNABLE WHITE (TW)

Proprietary LED system with color consistency <3 SDCM

2700K-6500K CCT range

Standard 83+CRI. Optional 93+CRI. (R9 value of 56 for 93+CRI)

L90 >60,000 hours

5 Year Warranty

LED SYSTEM FOR RGBW

Proprietary LED system with color consistency <3 SDCM

White LED available in 35K with 83+ CRI

L80 >72,000 hours

Red (335-805 mcd)

Green (710-1400 mcd)

Blue (140-355 mcd)

5 Year Warranty

MOUNTING

Housing suspended via 1/4" threaded rod or suspension cables (by others)

Toolless installation with 3G's proprietary mounting system

Internal, toolless joiner system (latch and hook) easily connects multiple sections together

LED reflectors remain within each fixture section during installation with 3G's click and lock spring system

Trim fixture designed for use in drywall, wood, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Flangeless fixture designed for use in wood ceilings

Suitable for various grid ceiling applications (see mounting details)

Fixture weight: +/- 3 lbs/ft

ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-4RPE TW L1000 H90 UNV DMX WT FL S-2'

Туре

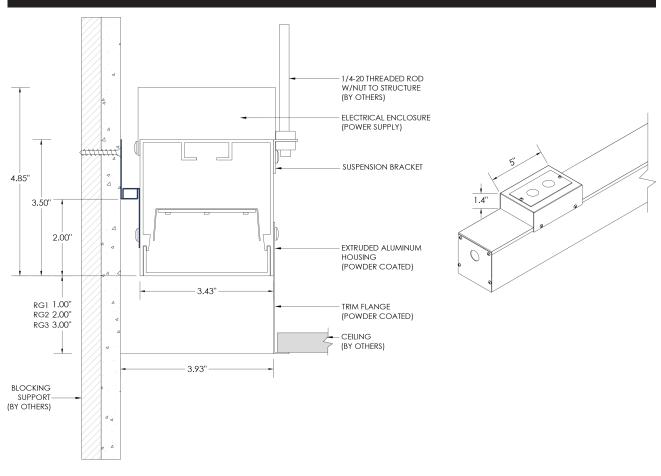
Notes

3G LIGHTING

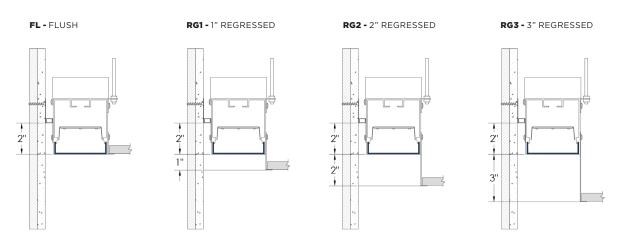
3G-4RPE

3.5" RECESSED PERIMETER TUNABLE WHITE & RGBW

DRAWINGS AND DIMENSIONS



LENS POSITION





Submitted By 16500, INC Catalog Number 3G-4RPE TW L1000 H90 UNV DMX WT FL S-2'

Туре

Notes

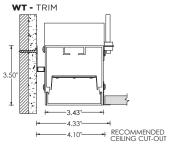
3G LIGHTING

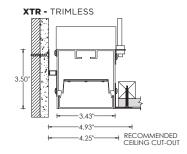
3G-4RPE

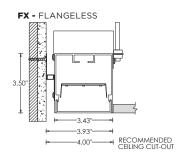
3.5" RECESSED PERIMETER TUNABLE WHITE & RGBW

HARD CEILING MOUNTING TYPES

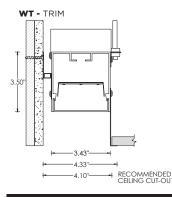
FLUSH

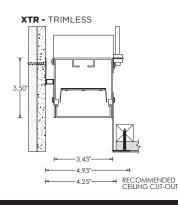


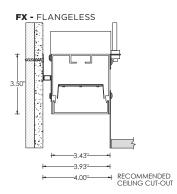




2" REGRESSED

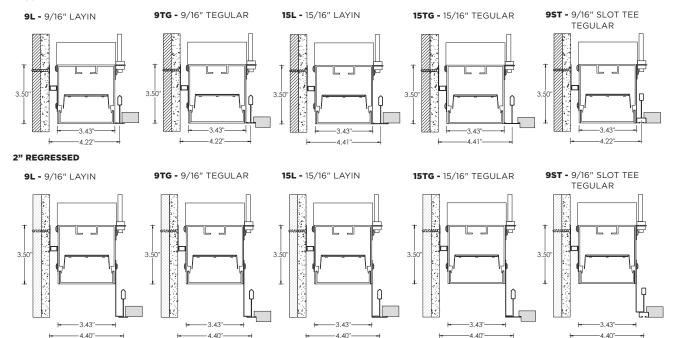






GRID CEILING MOUNTING TYPES

FLUSH





Submitted By 16500, INC Catalog Number 3G-4RGZ TW L1000 H90 UNV DMX WT W-2FT

Notes

Туре



3G-4RGZ

3.5" RECESSED WALL GRAZER TUNABLE WHITE

Narrow 3.5" aperture with one piece extruded aluminum housing
Adjustable LED profile ensures textured surfaces are evenly illuminated
Individual or continuous runs in multiple run configurations
Suitable for drywall, grid, wood, and various architectural ceilings
LED system with performance up to 119 lumens per watt
1% dimming standard with several integral driver options



3G

ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	VOLTAGE
3G-4RGZ	TW - TUNABLE WHITE (2700K-6500K)	L250 - LOW OUTPUT (250 LM/FT) 1 L500 - MEDIUM OUTPUT (500 LM/FT) L750 - HIGH OUTPUT (750 LM/FT) L1000 - VERY HIGH OUTPUT (1000 LM/FT) 2 LC CUSTOM OUTPUT (SPECIFY LM/FT) * *Specify custom lumen outputs in 50lm increments (ie: LC600, LC650, LC700) Custom output cannot exceed LC1000	S80 - 83+ CRI H90 - 93+ CRI	UNV - 120/277V

DRIVER	FLANGE TYPE	OPTIONS	RUN TYPE
D01 - 0-10V (STANDARD 100-0.1%)	WT - WHITE TRIM	EF - END FILLER *	S'(STRAIGHT RUN)
DALI - DALI (eldoLED, 100-1%)	XTR - TRIMLESS	EMB - INTEGRAL EMERGENCY BATTERY (MIN 4' SECTION)	L 'X'(L-SHAPE)
DMX - DMX (eldoLED, 100-0%) DHLT - LUTRON T SERIES (100-1%) (2 CHANNEL TUNABLE WHITE)	FX - FLANGELESS GCX - GRID CEILING (UNIVERSAL MOUNT)*	EMC - EMERGENCY CIRCUIT CP - CHICAGO PLENUM	U - 'X'X'(U-SHAPE)
	*Grid ceiling fixtures ship with universal mounting brackets suitable for all ceiling types. See mounting section for details	*End filler option for odd lengths (non illuminated)	Specify runs in 1' increments Use end filler option for odd lengths

¹ L250 (250LM/FT) not available in 2' and 3' lengths. Specify LC400 when outputs lower than 500LM/FT are required

2 L1000 (1000LM/FT) not available for H90 (93+ CRI)

3G - Tunable White





Submitted By 16500, INC Catalog Number 3G-4RGZ TW L1000 H90 UNV DMX WT W-2FT Туре

Notes

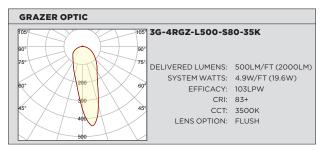
3G

3G-4RGZ

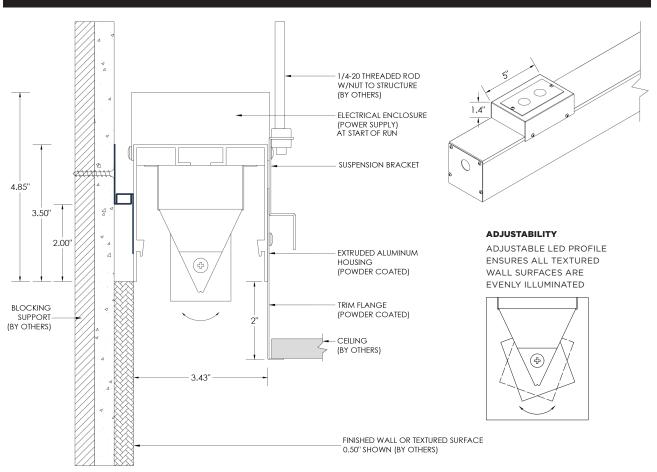
3.5" RECESSED WALL GRAZER TUNABLE WHITE

PERFORMANCE CHART AND PHOTOMETRY BASED ON 4' LENGTH (TUNABLE WHITE AND 83+ CRI)

COLOR TEMP	DELIVERED LUMENS (LM/F)	SYSTEM WATTS (W/FT)	EFFICACY (LPW)
	250	2.4	96
27004	500	4.9	95
2700K	750	7.5	94
	1000	10.0	93
	250	2.4	104
	500	4.9	103
3500K	750	7.5	102
	1000	10.0	100
	250	2.4	119
	500	4.9	118
6500K	750	7.5	116
	1000	10.0	115
EFFICACY (LPW)	CRI	Multiplier	
ADJUSTMENT FACTOR	93+	0.88	



DRAWINGS AND DIMENSIONS





Submitted By

Catalog Number

3G-4RGZ TW L1000 H90 UNV DMX WT W-2FT

Туре

Notes

3G-4RGZ

3.5" RECESSED WALL GRAZER TUNABLE WHITE

TECHNICAL

HOUSING

Extruded aluminum housing with narrow 3.5" aperture

Individual units and continuous runs available in 1' increments

End filler option available for odd lengths. 6" non illuminated sections provided (field cuttable)

Trim flange with matte white powder coated finish and minimal 0.400" overlap

Trimless model features a satin coat mudding flange for seamless ceiling integration

Standard polyester powder coated matte white finish

Adjustable LED profile ensures all textured wall surfaces are evenly illuminated (field adjustable post installation)

Proprietary, high performance wall grazer optic made from extruded acrylic

Luminaires are pre-wired with factory installed quick connects and branch circuit wiring

Standard 0-10V, constant current drivers with 100-0.1% dimming range and >0.9 power factor

eldoLED DALI driver option with 100-0.1% dimming range

eldoLED DMX driver option with 100-0% dimming range

Lutron T-series 2 channel tunable white driver option with 100-1% dimming range

All drivers are integral and easily accessible through luminaire aperture

Minimum 4' and maximum 6' length for each integral emergency battery. 10W output for 90 minutes

LED SYSTEM

Proprietary LED system with color consistency <3 SDCM

2700K-6500K CCT range

Standard 83+CRI. Optional 93+CRI. (R9 value of 56 for 93+CRI)

L90 >60,000 hours

5 Year Warranty

MOUNTING

New construction housing suspended via 1/4" threaded rod or suspension cables (by others)

Trim fixture designed for use in drywall, wood, and other architectural ceiling materials

Trimless fixture designed for use in drywall, mud-in ceiling applications

Flangeless fixture designed for use in wood ceilings

Suitable for various grid ceiling applications (see mounting details)

Fixture weight: +/- 4 lbs/ft

LISTING

ETL listed and tested to UL standards. Suitable for dry and damp locations

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C





Submitted By 16500, INC Catalog Number 3G-4RGZ TW L1000 H90 UNV DMX WT W-2FT

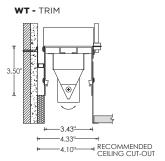
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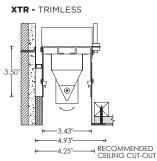


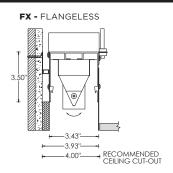
3G-4RGZ

3.5" RECESSED WALL GRAZER TUNABLE WHITE

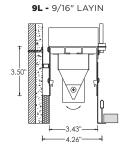
HARD CEILING MOUNTING TYPES

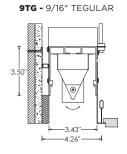


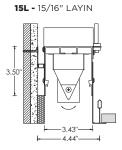


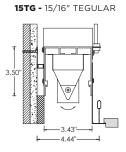


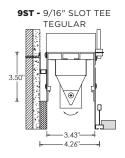
GRID CEILING MOUNTING TYPES



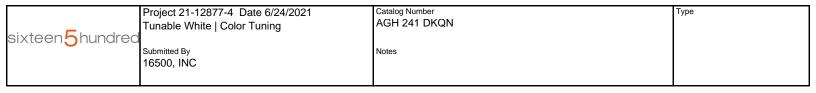






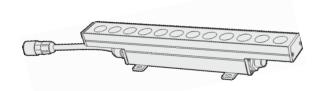


Туре



AL GRAZE AC™





The **AL Graze AC** is a high power, low profile, outdoor linear LED fixture. Featuring a robust IP66 housing, on-board AC + DMX driver, and linkable cable system, it is the perfect option for any structure that calls for indoor or outdoor linear grazing.

SPECIFICATIONS

Color	2700K, 3000K, 3500K, 4000K, RGB, RGBW, RGBA, DW (2400K-5500K)
Beam Angle	10° x 60°, 30° x 60°, 10° x 10°, 60° x 60°, 20° Asymmetric Wall Wash
Max Fixtures In Series	50' @ 120V, 100' @ 230-277VAC
Total Lumens	419 per foot (4000K, 30° x 60° 1′)
Control	DMX-512 (internal), 0-10V (via external UDM)
Mounting	30° Swivel Mount and Fixed Flat Mount Included
Power Consumption	9W per linear foot
Operating Voltage	100-277VAC
Lumen Maintenance	L70 @ 150,000 Hours (25° C)
Finish	Silver, Anodized Aluminum
Housing Material	Aluminum body; Glass Top Lens
Operating Temperature	-4°F to 123°F (-20°C to 50°C)
IP Rating	IP66, Wet or Dry Location
Fixture Connectors	Multipin IP66 Connectors, End to end jumpers attached to each fixture
Warranty	5 Years
Weight	1' - 1.25 lbs / 0.6 kg, 4' - 5 lbs / 2.3 kg
Dimensions	See dimensions section on page 2 for options





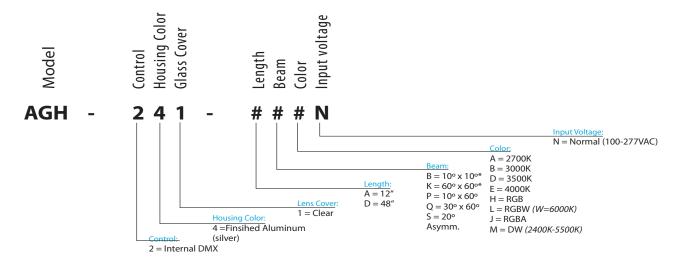


AL GRAZE AC™

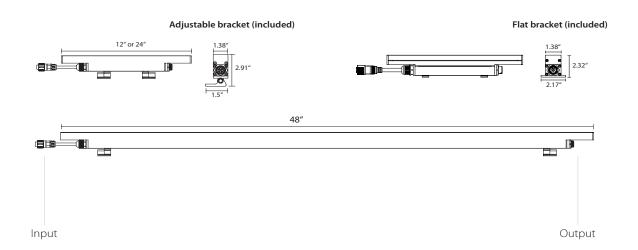


ORDER CODES

*Indicates Special Order



DIMENSIONS





Submitted By 16500, INC Catalog Number AGH 241 DKQN

Notes

ACCLAIM

Туре

AL GRAZE AC™

RELATED COMPONENTS

Connection Cables





H6LC5 5' Link Cable for AL Graze AC



H6EC End Cap for AL Graze AC



H6LC1

1' Link Cable for AL Graze AC



H6LC10

10' Link Cable for AL Graze AC

Mounting Accessories

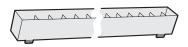


AGEB6 AL Graze Extender Bar 6"

AGEB12 AL Graze Extender Bar 12"

AGEB18 AL Graze Extender Bar 18"

AGEB24 AL Graze Extender Bar 24"



AGLV12 12" Louver for AL Graze AC

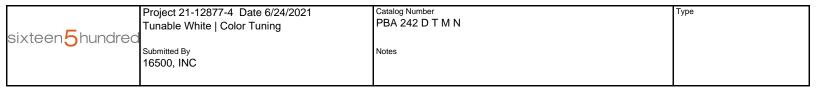
AGLV48 48" Louver for AL Graze AC

90 Degree Mounting Bracket for AL Graze AC

Fixture Setup Accessories

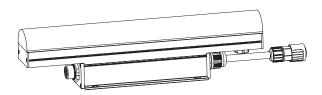


XMT350 *DMX* + *RDM Addressing and Testing Tool*



PIXEL BAR[™]







Pixel Bar is a outdoor rated, pixel controllable, direct view LED fixture. It is available with a rounded or flat diffused lens, is IP66 rated, and has an internal 90-277VAC auto switching power supply. Available in RGBW, RGBA, dynamic white or single color white, it is ideal for any interior or exterior application requiring seamless strips of light and AC power.

SPECIFICATIONS

Colors	Spectrum RGBW (W=3000K), RGBA, Dynamic White (2700K-6000K)
Beam Angle	168°
Photometrics	100 lumens per foot (estimated), testing in progress
Pixel Distance & Quantity	3" (75mm) - 4 pixels per 1', 16 pixels per 4'
Control	DMX/RDM (RDM addressing)
Max Fixtures in Series	100' interconnected
Mounting	Bolt or screw directly to surface, M4 mounting holes on each side of the fixture
Power Consumption	8W (1'), 32W (4')
Operating Voltage	100-277VAC, 50/60Hz
Lumen Maintenance	L70 @ 100,000 hours (25° C)
Finish	Silver / finished aluminum, optional marine coating available
Housing Material	Aluminum
Ambient Operating Temp.	-40° F to 122° F (-40° C to 50° C)
IP Rating	IP66, Wet location
Fixture Connectors	Linkable multi-pin AC + signal cable, bare wire feed cable (wire in an enclosure - by others)
Warranty	5 Years, limited
Weight	1' 2.65 lbs (1.2 kg) / 4' 10.6 lbs (4.8 kg)
Dimensions	L 12"/48" x W 2.36" x H 3.3" (L 305/1220 x W 60 x H 82.5 mm)
Certifications	. C €



Submitted By 16500, INC

Catalog Number PBA 242 D T M N

Notes

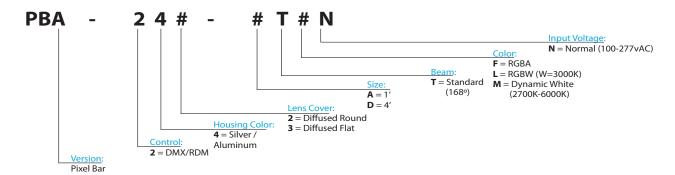
Туре

PIXEL BAR[™]



ORDER CODES

* Indicates Special Order



RELATED COMPONENTS

Connection Cables



H6FC10

10' Feed Cable For Pixel Bar + End Cap Powers up to 100' (30.5m)



H6FC50

50' Feed Cable For Pixel Bar + End Cap Powers up to 100' (30.5m)



H6EC

End Cap for Pixel Bar



H6LC'

1' Link Cable For Pixel Bar Connects up to 100' (30.5m)



H6LC5

5' Link Cable For Pixel Bar Connects up to 100' (30.5m)



H6LC10

10' Link Cable For Pixel Bar Connects up to 100' (30.5m)

Fixture Setup Accessories



XMT350

DMX + RDM Addressing and Testing Tool



Catalog Number PBA 242 D T M N

Notes

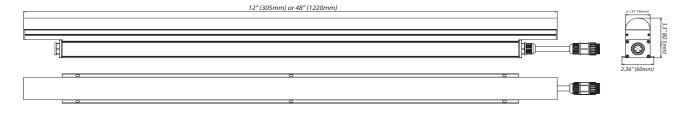
Туре





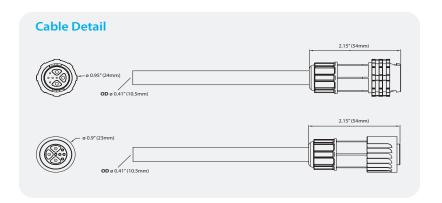
DIMENSIONS

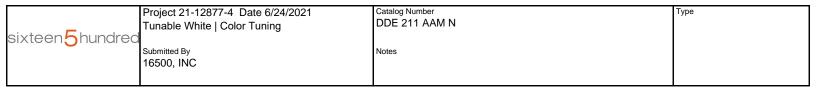
Diffused Round



Diffused Flat







Dyna Drum SO™







The **Dyna Drum SO** is a high output, outdoor rated, LED flood fixture. It features an adjustable yoke, on-board digital display, a 100-277VAC internal power supply, and a built in receiver for the Aria wireless DMX system. It is ideal for facade lighting applications, and as an area flood light.

Specifications

Color Temperature	RGBW, RGBA, 2700K, 3000K, 3500K, 4000K, 5500K, DW (2400K-5500K)
Beam Angle	6° (standard), 20°, 40°, 60°, 10° x 60° spread lens options
Total Lumens	7,769 at 5500K, 6° / 4656 at RGBW, 6°
Center Beam Candela	344,366 at 5500K, 6° / 148,001 at RGBW, 6°
Control	DMX-512, 4 channels (color), 3 Channels (DW), or 1 Channel (white)
Max Fixtures in Series	32, via DMX-512
Effective Projected Area	Front: 0.72, Side 0.74 (includes drag coefficient)
Power Consumption	157W at steady state
Operating Voltage	100-277VAC, 50/60Hz
Lumen Maintenance	L70 @ 120,000 Hours (25° C)
Finish	Gray (Standard), White or Black (Optional)
Housing Material	Die Cast Aluminum, Optional Marine Environment Coating Available
Operating Temperature	-40° F to 122° F (-40° C to 50° C)
IP Rating	IP66, Wet Location
Fixture Connectors	Attached 5'(1.5m) IP 66 AC Power + Signal Cable
Warranty	5 Year Limited Warranty
Weight	26.4 lbs (12 kg)
Dimensions	9.13" ø x W 8.39" x H 14.13" (232mm ø x W 213mm x H 359mm)
Certifications	c C € 3G



Submitted By 16500, INC

Catalog Number DDE 211 AAM N

Notes

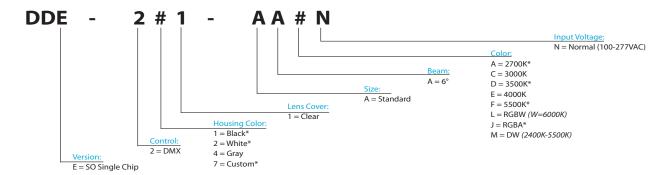
Туре

Dyna Drum SO™

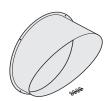


Order Codes

*Indicates Special Order



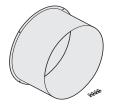
Related Components



Half Snoot

Gray: DDSOHSG Black: DDSOHSB White: DDSOHSW

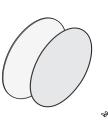
Includes four M4 mounting screws



Full Snoot

Gray: DDSOFSG Black: DDSOFSB White: DDSOFSW

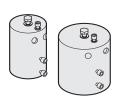
Includes four M4 mounting screws



Spread Lens Kits

20° Beam: DDSSL20 40° Beam: DDSSL40 60° Beam: DDSSL60 10° x 60° Beam: DDSSL1060

Includes four M4 mounting screws



Tenon Mount

For 2" pipe: TM2 For 4" pipe: TM4



Catalog Number DDE 211 AAM N

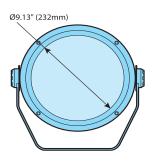
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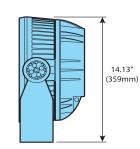
Туре

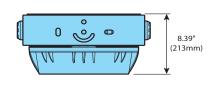
Dyna Drum SO™



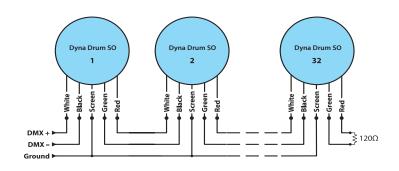
Dimensions

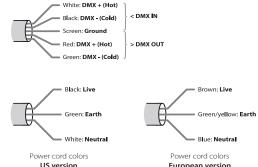






Wiring





Photometrics

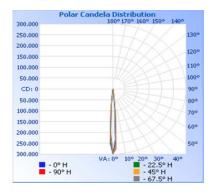
For IES & Revit files, please visit <u>acclaimlighting.com</u>

5500K, 6°

Zonal Lumen Summary

Zone	Lumens	%
0-60	7634	98.3
60-90	131.8	1.7
90-180	2.8	0.0
Total	7769	100

Polar Candela Distribution



Isofootcandle Plot





Catalog Number DDE 211 AAM N

Notes

Туре

Dyna Drum SO™

ACCLAIMLIGHTING

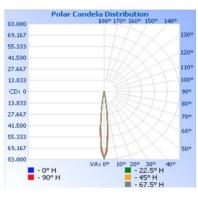
Photometrics (Con't)

RGBW, 6°

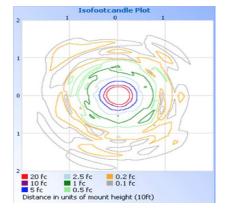
Zonal Lumen Summary

Zone	Lumens	%
0-60	4556	97.9
60-90	96.3	2.1
90-180	3.7	0.1
Total	4656	100

Polar Candela Distribution



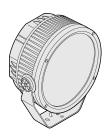
Isofootcandle Plot



sixteen 5 hundred	Tunable White Color Tuning	Catalog Number DDM 221 AAMN	Type
	Submitted By 16500, INC	Notes	

DYNA DRUM HO SCS ™







Dyna Drum HO SCS (Single Color Series) is a group of high output, outdoor rated, multi-color LED floodlights. It features an internal 100-277VAC power supply, onboard DMX+RDM driver, and each unit carries Acclaim's Aria wireless DMX technology inside. The optical system and high power LED provide exceptional output and efficacy. It comes with a narrow 8° beam standard, with optional quick-change spread lenses for wider applications. It is ideal for facade lighting applications and as an area floodlight.

SPECIFICATIONS

Colors	RGBW (W=4000K), RGBA, RGBAW (W=4000K), DW (2400K-5500K)
Beam Angles	8° standard, 20°, 40°, 60°, 10° x 60° spread lens options
Photometrics	Up to 10,868 lumens, 490,021 cd, see page 4 for details
Effective Projected Area	1.75 ft ²
Control	DMX+RDM, Manual color setting in menu, photocell included, Aria wireless direct connect
Max Fixtures in Series	32 via DMX, power local to each fixture
Power Consumption	230W
Operating Voltage	100-277VAC, 50/60 Hz
Lumen Maintenance	L70 @ 150,000 hours (25° C)
Mounting	Surface mount bracket included, optional tenon mount and pipe clamp available
Finish	Gray standard (RAL 7047), black, white, and custom colors optional
Material	Die cast aluminum, glass top lens, optional marine coating available
Ambient Operating Temperature	-40° F to 125° F (-40° C to 51° C)
IP Rating	IP66, wet location
IK Rating	IK07, protection against 2 joule impact
Fixture Connectors	Attached 5' (1.5m) IP66 hybrid cable, AC power +DMX/RDM
Warranty	5 Years, limited
Weight	36 lbs. (16.3 kg)
Dimensions	L: 14.8" x W: 15.4" x D: 8.2" (378mm x 393mm x 209mm)
Certifications	€ 3G LUMMARIE



Submitted By 16500, INC Catalog Number
DDM 221 AAMN

Notes

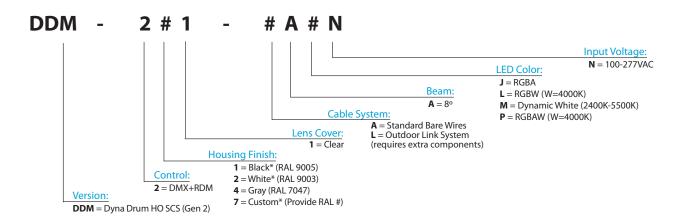
Type

DYNA DRUM HO SCS ™



ORDER CODES

* indicates special order



RELATED COMPONENTS

Optional Beam Accessories



DDHSL20

20° Spread lens for Dyna Drum HO

DDHSL40

40° Spread lens for Dyna Drum HO

DDHSL60

60° Spread lens for Dyna Drum HO

DDHSL1060

10° x 60° Spread lens for Dyna Drum HO



DDH2FSG DDH2FSB DDH2FSW Full snoot for Dyna Drum HO, Gray Full snoot for Dyna Drum HO, Black Full snoot for Dyna Drum HO, White



DDH2HSG DDH2HSB DDH2HSW Half snoot for Dyna Drum HO, Gray Half snoot for Dyna Drum HO, Black Half snoot for Dyna Drum HO, White



Submitted By 16500, INC Catalog Number DDM 221 AAMN

Notes

Туре

DYNA DRUM HO SCS TM



RELATED COMPONENTS

Optional Mounting Accessories



TM₂

Use with 2" pipe, schedule 40 tenon mount (2.51", 56mm inner dia.)

TM4

Use with 3.5" pipe, schedule 40 tenon mount (4.13", 105mm inner dia.)



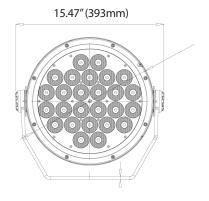
PC₂

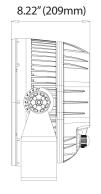
Use with 2" pipe, schedule 40 pipe clamp mounts 1 or 2 fixtures

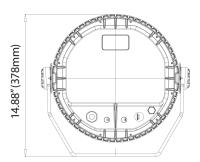
PC4

Use with 4" pipe, schedule 40 pipe clamp mounts 1 or 2 fixtures

DIMENSIONS







Catalog Number DDM 221 AAMN

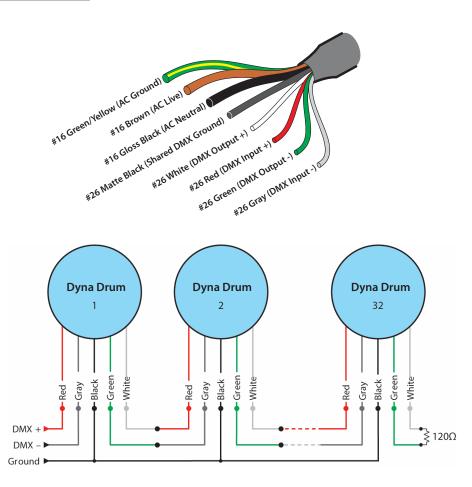
Notes

Туре

DYNA DRUM HO SCS TM



WIRING



PHOTOMETRICS

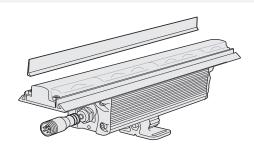
Color / Beam	Lumens	Center Candela	Efficacy (l/pw)	CRI (Ra)	TM30
RGBW	9773	381,883	43	-	-
RGBA	5384	236,376	25	-	-
RGBAW	7554	346,386	34	-	-
DW	10868	490,021	45	-	-



Catalog Number DGH 241 4KMN

Notes





The **Dyna Graze HO Exterior DMX** is a high power, outdoor linear LED fixture. Available in 1' and 4' sections, it offers multiple configurations, including RGB, RGBW, and Dynamic White. Featuring a robust IP66 housing, a multi-voltage switching power supply, and a glare shield, it is the perfect option for any structure that calls for outdoor linear grazing.

Specifications

Color	RGB, RGBW, RGBA, Dynamic White (2200K-5000K)
Beam Angle	10° x 10°, 10° x 60°, 30° x 60°, 60° x 60°, Asymmetric wall wash (20° angle)
Max Fixtures In Series	50' (15m) @ 120V, 100' (30m) @ 240V+
Total Lumens	693 per foot (RGBW 10° x 60° - Full On)
Center Beam Candela	1979 (RGBW 10° x 60° - Full On)
Control	DMX + RDM, 4' Fixtures can be controlled in either 1' or 4' increments
Mounting	30° Swivel Mount Included, 90° Swivel Mount Optional
Power Consumption	20W (1'), 80W (4')
Operating Voltage	100-277VAC
Lumen Maintenance	L70 @ 150,000 Hours (25° C)
Finish	Anodized Brushed Aluminum, Corrosion resistant
Housing Material	Aluminum; Polycarbonate Lens
Operating Temperature	-40°F to 122°F (-40°C to 50°C)
IP Rating	IP66, Wet Location
Fixture Connectors	Multipin IP68 Connectors, End to end jumpers attached to each fixture
Warranty	5 Years
Weight	3 lbs. / 1.4 kg (1'), 12 lbs / 5.4 kg (4')
Dimensions	L: 12" / 48" W: 2.9" H: 3.9" (L: 305mm / 1220mm W: 72.5mm H: 98.5mm)
Certifications	c C S C LUMINAIRE

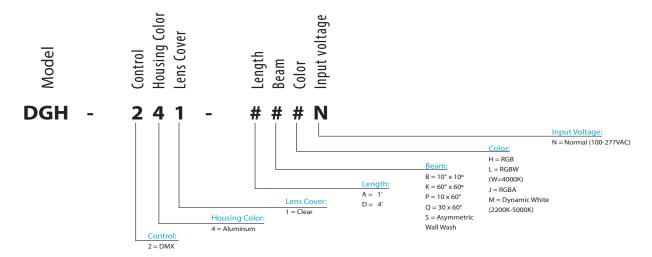


Dyna Graze HO Exterior DMX

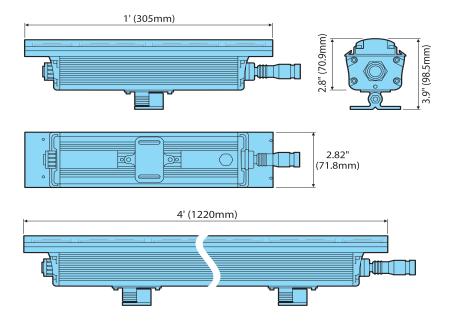


Order Codes

*Indicates Special Order



Dimensions





Submitted By 16500, INC Catalog Number DGH 241 4KMN

Notes

Type

Dyna Graze HO Exterior DMX



Related Components

Connection Cables



DGHFC10

10' Feed Cable For Dyna Graze Exterior HO DMX + End Cap Powers up to 50' at 120VAC / 100' at 240V+



DGHLC5

5' Link Cable for Dyna Graze Exterior HO DMX



DGHEC

End Cap for Dyna Graze Exterior HO DMX



DGHLC1

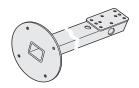
1' Link Cable for Dyna Graze Exterior HO DMX



DGHLC10

10' Link Cable for Dyna Graze Exterior HO DMX + End Cap

Mounting Accessories



DYNAHEB6

6" Extender Bar for Dyna Graze HO Series

DYNAHEB12

12" Extender Bar for Dyna Graze HO Series

DYNAHEB36

36" Extender Bar for Dyna Graze HO Series



DYNAHMF90

90° Bracket for Dyna Exterior



Submitted By 16500, INC Catalog Number DGH 241 4KMN

Notes

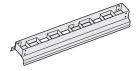
Туре

Dyna Graze HO Exterior DMX



Related Components (Con't)

Louvers



DGHLV12 12" Louver for Dyna Graze Exterior HO DMX

DGHLV48

48" Louver for Dyna Graze Exterior HO DMX

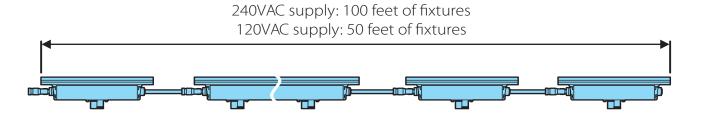
Fixture Setup Accessories

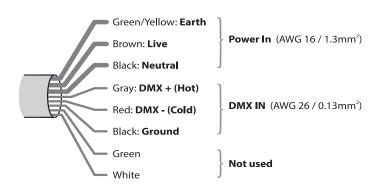


XMT350

DMX + RDM Addressing and Testing Tool

Wiring







Submitted By 16500, INC

Catalog Number **DGH 241 4KMN**

Notes

Туре

Dyna Graze HO Exterior DMX

ACCLAIM

Photometrics

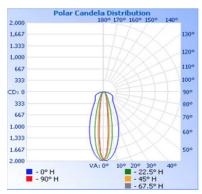
For additional color data and IES files, please visit acclaimlighting.com

RGBW 10° x 60° 1'

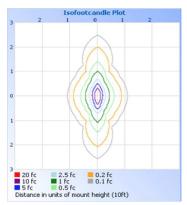
Zonal Lumen Summary

Zone	Lumens	%
0-60	615.8	88.8
60-90	77	11.1
90-180	0.4	0.1
Total	693.2	100

Polar Candela Distribution



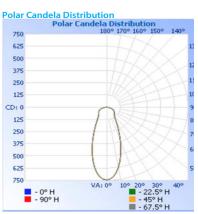
Isofootcandle Plot



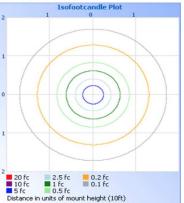
RGBW 60° 1'

Zonal Lumen Summary

Zone	Lumens	%
0-60	562.60	89.9
60-90	108.50	16.2
90-180	0.5	0.1
Total	671.5	100



Isofootcandle Plot

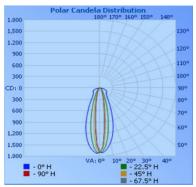


RGB 10° x 60° 1'

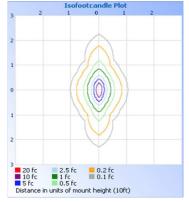
Zonal Lumen Summary

Zone	Lumens	%
0-60	537.8	89.9
60-90	60.2	10.1
90-180	0.4	0.1
Total	598.4	100

Polar Candela Distribution



Isofootcandle Plot





Submitted By 16500, INC

Catalog Number MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL

Туре

MARK ARCHITECTURAL LIGHTING





MARKLINE

SURFACE TUNABLE WHITE & WARM DIMMING

HIGHLIGHTS

- Small, versatile and impactful
- · Extruded aluminum construction
- 9 x 9, 15 x 30, 10 x 60, 30 x 60, 40 x 60, 60 x 60 or wall wash distributions
- Tunable White available in Rhythm Range (2700-6500K) or Layers Range (2200-5000K) incorporate warm-neutralcool LEDs
- Warm Dimming Golden Range from (3000-2200K)
- Wide and Powerful Range 300, 450, 600, 750 or 1000 lumens per foot
- DMX with Remote Device Management
- Efficient with up to 119 lumens per watt
- Full compliment of mounting and shielding accessories
- Manufactured in USA
- IP66 rated per IEC60598
- 3G vibration rated per ANSI C136.31

LUMEN PACKAGES

	9X9	10x60	15x30	30x60	40x60	60x60	WWD
Lumens/FT	556	557	528	540	500	535	480
Watts/FT	4.09	4.09	4.09	4.09	4.09	4.09	4.09
Lumens/ Watt	136	136	129	132	122	131	117

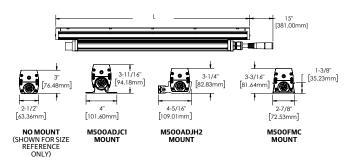
Information based on 4FT, 600 LMF WDIM

SPECIFICATIONS



DIMENSIONS

Reference Drawing Detail section for additional information



STANDARD DISTRIBUTION

























Submitted By

Catalog Number

MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL

Туре



MARKLINE

Surface Tunable White & Warm Dimming Wet Location

											LMF WW DARK MVOL		
Series		Line	ar Plan		Total Ru	n Length	MaxS	ection Length	Mounting		Moun	iting Option	
MKS501 MARKline500 Series Surface LLB Linear Longest Possible LCB Linear Center Balanced LSL Linear Same Length		anced	feet in 1' increments, with a minimum of 2'.			2' 3' 4'	M500ADJC1 Adjustable Mount Center Axis M500ADJH2 Misutable Mount Side Hinge M500FMC Fixed Mount		MCBT12 Cantilever MCBT18 Cantilever MCBT6 Cantilever MCBTL12 Cantilever MCBTL18 Cantilever	Bracket 18" Proj Bracket 6" Proje Bracket Large 12 Bracket Large 18 Bracket Large 6	tet 12" Projection tet 18" Projection tet 6" Projection tet Large 12" projection tet Large 18" projection tet Large 6" projection		
	ght Source endering	Dynar	nic Feature	Dyi	namic Range	Dir	ect LED Ligh	nt Output	Dis	tribution	Minimum Dimming L	evel Optic	nal Shielding
	80CRI 90CRI ble in LAYR.		Tunable White Warm Dimming	GOLR* LAYR RHYR *Only av	Golden Range (2200K-3000K) Layers Range (2200K-5000K) Rhythm Range (2700K-6500K) ailable with WDIM	300LMF 450LMF 600LMF 750LMF 1000LMF	450 Nomina 600 Nomina 750 Nomina	ILumens per Foot ILumens per Foot ILumens per Foot ILumens per Foot ILumens per Foot al Lumens per Foot	10X60DEG 15X30DEG 30X60DEG 40X60DEG 60X60DEG 9X9DEG WW*	40 x 60 Degre	ees Dimmingto <br ees ees		Surface
Vo	oltage		Shielding			Finish		Control I	ıput		Power Feed		ption
	voltage MVOLT 120-277Volt		(blank) Standard Clear Acrylic FCA Frosted Clear Acrylic		WTP White Textured Paint SIT Silver Textured Paint BKT Black Textured Paint RALTBD* RALCOOrTBD			DMX* DMX ZT** 0-10V *Available with TUWH only **Available with WDIM only		IOFCL MFCLW10LR MFCLW25LR	No Power Feed Cable (order separate) 10FT Feed Cable, Right Feed, Exterior Location 25FT Feed Cable, Right Feed,	ler separate) T Feed Cable, Right Feed, erior Location	
			CPF Cus *RALTBD for pric applicable RAL ni							MFCLW5OLR	Exterior Location 50FT Feed Cable, Right Feed, Exterior Location 100FT Feed Cable, Right Feed,		

Model	Length	Weight		
	25 - 1/8" (639mm)	7.5 lbs (3.40kg)		
MKS501	37" (941mm)	11 lbs. (4.98kg)		
	48 - 7/8" (1242mm)	13 lbs. (5.90kg)		





Submitted By 16500, INC Catalog Number MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL

Notes

Type



MARKLINE

Surface Tunable White & Warm Dimming Wet Location

PERFORMANCE DATA

Tunable White RHYR Range

Lumens Per Foot	Fixture Length	Distribution	CCT/CRI 2700K/80	Input Watts 2700K/80	Delivered Lumens Per Foot	Input Watts Per Foot	CCT/CRI 4000K/80	Input Watts 4000K/80	Delivered Lumens Per Foot	Input Watts Per Foot	CCT/CRI 6500K/80	Input Watts 6500K/80	Delivered Lumens Per Foot	Input Watts Per Foot
	4FT	9x9	1159	17.94	290	4.49	1180	14.07	295	3.52	1230	14.03	308	3.51
	4FT	10x60	1161	17.94	290	4.49	1182	14.07	296	3.52	1232	14.03	308	3.51
	4FT	15x30	1316	17.39	329	4.35	1519	15.91	380	3.98	1645	15.09	411	3.77
300	4FT	30x60	1345	17.39	336	4.35	1554	15.91	389	3.98	1682	15.09	421	3.77
	4FT	40x60	1246	17.39	312	4.35	1439	15.91	360	3.98	1558	15.09	390	3.77
	4FT	60x60	1338	17.39	335	4.35	1545	15.91	386	3.98	1673	15.09	418	3.77
	4FT	WWD	1050	17.39	263	4.35	1213	15.91	303	3.98	1313	15.09	328	3.77
	4FT	9x9	1625	22.26	406	5.57	1655	17.45	414	4.36	1725	17.41	431	4.35
	4FT	10x60	1628	22.26	407	5.57	1658	17.45	415	4.36	1728	17.41	432	4.35
	4FT	15x30	1585	31.84	396	7.96	1830	29.13	458	7.28	1982	27.63	496	6.91
450	4FT	30x60	1621	31.84	405	7.96	1871	29.13	468	7.28	2026	27.63	507	6.91
	4FT	40x60	1501	31.84	375	7.96	1734	29.13	434	7.28	1877	27.63	469	6.91
	4FT	60x60	1611	31.84	403	7.96	1861	29.13	465	7.28	2015	27.63	504	6.91
	4FT	WWD	1265	31.84	316	7.96	1461	29.13	365	7.28	1582	27.63	396	6.91
	4FT	9x9	2105	27.97	526	6.99	2144	21.93	536	5.48	2235	21.88	559	5.47
	4FT	10x60	2109	27.97	527	6.99	2148	21.93	537	5.48	2239	21.88	560	5.47
	4FT	15x30	1926	25.2	482	6.30	2224	23.06	556	5.77	2409	21.87	602	5.47
600	4FT	30x60	1970	25.2	493	6.30	2275	23.06	569	5.77	2463	21.87	616	5.47
	4FT	40x60	1825	25.2	456	6.30	2107	23.06	527	5.77	2282	21.87	571	5.47
	4FT	60x60	1959	25.2	490	6.30	2262	23.06	566	5.77	2449	21.87	612	5.47
	4FT	WWD	1538	25.2	385	6.30	1776	23.06	444	5.77	1923	21.87	481	5.47
	4FT	9x9	2585	34.3	646	8.58	2633	26.89	658	6.72	2745	26.83	686	6.71
	4FT	10x60	2590	34.3	648	8.58	2637	26.89	659	6.72	2749	26.83	687	6.71
	4FT	15x30	2294	32.19	574	8.05	2649	29.45	662	7.36	2868	27.94	717	6.99
750	4FT	30x60	2346	32.19	587	8.05	2709	29.45	677	7.36	2933	27.94	733	6.99
	4FT	40x60	2173	32.19	543	8.05	2509	29.45	627	7.36	2717	27.94	679	6.99
	4FT	60x60	2332	32.19	583	8.05	2693	29.45	673	7.36	2916	27.94	729	6.99
	4FT	WWD	1831	32.19	458	8.05	2114	29.45	529	7.36	2289	27.94	572	6.99
	4FT	9x9	3265	47.85	816	11.96	3326	37.51	832	9.38	3467	37.42	867	9.36
	4FT	10x60	3271	47.85	818	11.96	3331	37.51	833	9.38	3473	37.42	868	9.36
	4FT	15x30	2684	40.36	671	10.09	3099	36.94	775	9.24	3356	35.03	839	8.76
1000	4FT	30x60	2744	40.36	686	10.09	3169	36.94	792	9.24	3431	35.03	858	8.76
	4FT	40x60	2542	40.36	636	10.09	2936	36.94	734	9.24	3179	35.03	795	8.76
	4FT	60x60	2729	40.36	682	10.09	3151	36.94	788	9.24	3412	35.03	853	8.76
	4FT	WWD	2142	40.36	536	10.09	2474	36.94	619	9.24	2678	35.03	670	8.76

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

IES data is available at www.winonalighting.com. Refer to website for the latest IES file updates.





Submitted By 16500, INC

Catalog Number MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL

Туре

MARK ARCHITECTURAL LIGHTING

MARKLINE

Surface Tunable White & Warm Dimming Wet Location

PERFORMANCE DATA

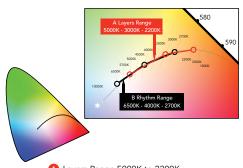
Tunable White LAYR Range

Lumens Per Foot	Fixture Length	Distribution	CCT/CRI 2200K/80	Input Watts 2200K/80	Delivered Lumens Per Foot	Input Watts Per Foot	CCT/CRI 3500K/80	Input Watts 3500K/80	Delivered Lumens Per Foot	Input Watts Per Foot	CCT/CRI 5000K/80	Input Watts 5000K/80	Delivered Lumens Per Foot	Input Watts Per Foot
	4FT	9x9	784	12.74	196	3.19	896	9.94	224	2.49	891	9.42	223	2.36
	4FT	10x60	785	12.74	196	3.19	898	9.94	225	2.49	893	9.42	223	2.36
	4FT	15x30	674	12.74	169	3.19	771	9.94	193	2.49	767	9.42	192	2.36
300	4FT	30x60	690	12.74	173	3.19	789	9.94	197	2.49	784	9.42	196	2.36
	4FT	40x60	639	12.74	160	3.19	731	9.94	183	2.49	727	9.42	182	2.36
	4FT	60x60	686	12.74	172	3.19	784	9.94	196	2.49	780	9.42	195	2.36
	4FT	WWD	528	12.74	132	3.19	604	9.94	151	2.49	601	9.42	150	2.36
	4FT	9x9	1304	19.32	326	4.83	1491	15.08	373	3.77	1483	14.28	371	3.57
	4FT	10x60	1306	19.32	327	4.83	1494	15.08	374	3.77	1486	14.28	372	3.57
	4FT	15x30	1122	19.32	281	4.83	1283	15.08	321	3.77	1276	14.28	319	3.57
450	4FT	30x60	1147	19.32	287	4.83	1312	15.08	328	3.77	1305	14.28	326	3.57
	4FT	40x60	1063	19.32	266	4.83	1216	15.08	304	3.77	1209	14.28	302	3.57
	4FT	60x60	1141	19.32	285	4.83	1305	15.08	326	3.77	1298	14.28	325	3.57
	4FT	WWD	879	19.32	220	4.83	1005	15.08	251	3.77	1000	14.28	250	3.57
	4FT	9x9	1698	25.34	425	6.34	1942	19.77	486	4.94	1931	18.73	483	4.68
	4FT	10x60	1701	25.34	425	6.34	1945	19.77	486	4.94	1934	18.73	484	4.68
	4FT	15x30	1461	25.34	365	6.34	1671	19.77	418	4.94	1661	18.73	415	4.68
600	4FT	30x60	1494	25.34	374	6.34	1709	19.77	427	4.94	1699	18.73	425	4.68
	4FT	40x60	1384	25.34	346	6.34	1583	19.77	396	4.94	1574	18.73	394	4.68
	4FT	60x60	1485	25.34	371	6.34	1699	19.77	425	4.94	1689	18.73	422	4.68
	4FT	WWD	1144	25.34	286	6.34	1309	19.77	327	4.94	1301	18.73	325	4.68
	4FT	9x9	2088	32.38	522	8.10	2388	25.26	597	6.32	2374	23.93	594	5.98
	4FT	10x60	2091	32.38	523	8.10	2392	25.26	598	6.32	2378	23.93	595	5.98
	4FT	15x30	1797	32.38	449	8.10	2055	25.26	514	6.32	2043	23.93	511	5.98
750	4FT	30x60	1837	32.38	459	8.10	2101	25.26	525	6.32	2089	23.93	522	5.98
	4FT	40x60	1702	32.38	426	8.10	1947	25.26	487	6.32	1936	23.93	484	5.98
	4FT	60x60	1827	32.38	457	8.10	2089	25.26	522	6.32	2077	23.93	519	5.98
	4FT	WWD	1407	32.38	352	8.10	1609	25.26	402	6.32	1600	23.93	400	5.98
	4FT	9x9	2588	45.37	647	11.34	2960	35.4	740	8.85	2944	33.53	736	8.38
	4FT	10x60	2593	45.37	648	11.34	2966	35.4	742	8.85	2949	33.53	737	8.38
	4FT	15x30	2227	45.37	557	11.34	2547	35.4	637	8.85	2533	33.53	633	8.38
1000	4FT	30x60	2278	45.37	570	11.34	2605	35.4	651	8.85	2590	33.53	648	8.38
	4FT	40x60	2110	45.37	528	11.34	2413	35.4	603	8.85	2400	33.53	600	8.38
	4FT	60x60	2265	45.37	566	11.34	2590	35.4	648	8.85	2576	33.53	644	8.38
	4FT	WWD	1745	45.37	436	11.34	1995	35.4	499	8.85	1984	33.53	496	8.38

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

 $\textit{IES data is available at www.winonalighting.com.} \ \textit{Refer to website for the latest IES file updates.}$

TUNABLE WHITE WARM DIMMING GAMUT AND RANGE



A Layers Range 5000K to 2200K

B Rhythm Range 6500K to 2700K

- The Gamut of a luminaire determines the potential color range, as well as light quality through measurements such as CRI and R9.
 The Path determines the range of colors temperatures available for the luminaire and how it tracks the Black Body Curve.

- TUNABLE WHITE GPHD

 Gamute One dimensional Warm-Neutral-Cool (WiNC)

 Path: Multi-segment (6500K to 2700K) (Rhythm Range)
 or (5000K to 2200K) (Layers Range)

 Handle: Three handles: Warm, Neutral and Cool

 Data: DMX512/RDM

Rhythm Range is for designers who want to mimic the natural rhythms of daylight, with a broad palette of color temperatures. Layers Range offers the flexibility of tunable white control with the aesthetics of warm dimming, reaching to 2200K.





Submitted By 16500, INC

Catalog Number MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL

Туре

MARK ARCHITECTURAL LIGHTING

MARKLINE

Surface Tunable White & Warm Dimming Wet Location

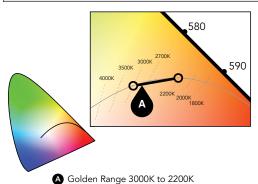
PERFORMANCE DATA

Warm Dimming GOLR Range

Lumens Per Foot	Fixture Length	Distribution	CRI	Delivered Lumens	Input Watts	Lumen/Watt	Delivered Lumens Per Foot	Input Watts Per Foot
	4FT	9x9	80	1062	8.67	122	266	2.17
	4FT	10x60	80	1064	8.67	123	266	2.17
	4FT	15x30	80	1010	8.67	116	253	2.17
300	4FT	30x60	80	1033	8.67	119	258	2.17
	4FT	40x60	80	957	8.67	110	239	2.17
	4FT	60x60	80	1024	8.67	118	256	2.17
	4FT	WWD	80	917	8.67	106	229	2.17
	4FT	9x9	80	1654	11.86	139	414	2.97
	4FT	10x60	80	1657	11.86	140	414	2.97
	4FT	15x30	80	1572	11.86	133	393	2.97
450	4FT	30x60	80	1608	11.86	136	402	2.97
	4FT	40x60	80	1490	11.86	126	373	2.97
	4FT	60x60	80	1594	11.86	134	399	2.97
	4FT	WWD	80	1428	11.86	120	357	2.97
	4FT	9x9	80	2222	16.37	136	556	4.09
	4FT	10x60	80	2226	16.37	136	557	4.09
	4FT	15x30	80	2113	16.37	129	528	4.09
600	4FT	30x60	80	2160	16.37	132	540	4.09
	4FT	40x60	80	2001	16.37	122	500	4.09
	4FT	60x60	80	2141	16.37	131	535	4.09
	4FT	WWD	80	1919	16.37	117	480	4.09
	4FT	9x9	80	2751	21.48	128	688	5.37
	4FT	10x60	80	2756	21.48	128	689	5.37
	4FT	15x30	80	2616	21.48	122	654	5.37
750	4FT	30x60	80	2675	21.48	125	669	5.37
	4FT	40x60	80	2478	21.48	115	620	5.37
	4FT	60x60	80	2651	21.48	123	663	5.37
	4FT	WWD	80	2376	21.48	111	594	5.37
	4FT	9x9	80	3620	30.42	119	905	7.61
	4FT	10x60	80	3627	30.42	119	907	7.61
	4FT	15x30	80	3442	30.42	113	861	7.61
1000	4FT	30x60	80	3519	30.42	116	880	7.61
	4FT	40x60	80	3260	30.42	107	815	7.61
	4FT	60x60	80	3489	30.42	115	872	7.61
	4FT	WWD	80	3126	30.42	103	782	7.61

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here. IES data is available at www.winonalighting.com. Refer to website for the latest IES file updates.

WARM DIMMING GAMUT AND RANGE



- The Gamut of a luminaire determines the potential color range, as well as light quality through measurements such as CRI and R9.
 The Path determines the range of colors temperatures available for the luminaire.

- WARM DIMMING GPHD
 Gamut: One dimensional Warm-Cool (WiC)
 Path: Straight Line 3000K to 2200K (Golden Range)
 Handle: One Handle: Intensity (with implicit CCT)
 Data: 0-10V

Replicate the comfortable, familiar feeling of traditional light sources warming in color as they are dimmed.



Submitted By 16500, INC Catalog Number

MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL

Туре



MARKLINE

Surface Tunable White & Warm Dimming Wet Location

LCB 22FT

LINEAR PLAN

Mark offers the ability to provide a continuous run plan to suit your requirements by optionally offering three methods of configuration.

LLP Longest Length Possible:

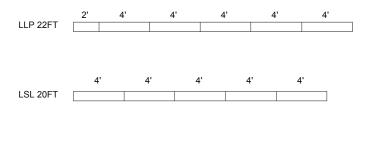
In this plan the longest length available is optimized resulting in the fewest segments and mounting locations. Caution should be used where balanced appearance is a concern. Example: 22FT row would have (5) 4FT segments and (1) 2FT segment located at one end.

LSL Longest Same Length:

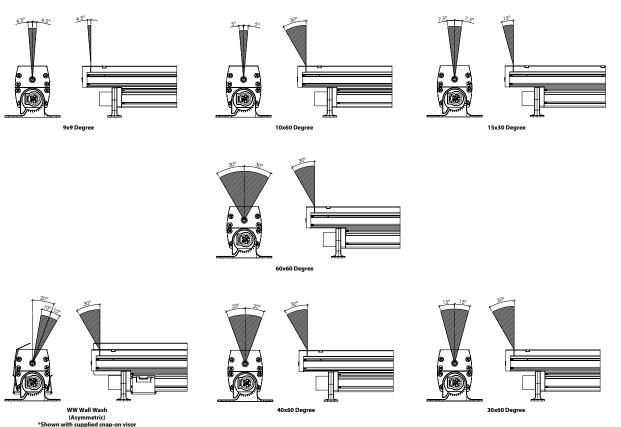
In this configuration each segment is the same length is standardized based on the longest length available and is the only option provided. Because it is dependent on one segment length there are mathematical limitations on what overall row lengths can be achieved. Example: 20FT row would be achieved with (5) 4FT long segments equaling 20FT (nominal).

LCB Longest Center Balanced:

This configuration incorporates the longest center segment(s) along with any additional lengths required to fill located at each end. Example: 22FT row would have (2) 3FT segments (one at each end) and (4) 4FT intermediate segments located in



DISTRIBUTION



MKS501 TUWH WDIM WL 03/19/21



Submitted By 16500, INC C

Catalog Number
MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR
450LMF WW DARK MVOLT WTP DMX NOFCL

Notes

Туре

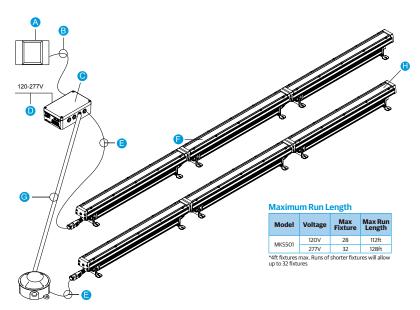
MARK ARCHITECTURAL LIGHTING

MARKLINE

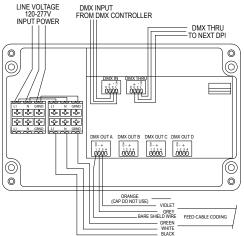
Surface Tunable White & Warm Dimming Wet Location

BASIC SYSTEM WIRING INFORMATION

This very basic system wiring diagram provides an overview of components and materials required for a simple installation of MKS501 luminaires controlled by a DMX controller. These diagrams should not be used in place of actual installation instructions or submittal drawings prepared for a specific project.



Power & DMX Connection in DPI Box



A tunable white luminaire installation can be as simple as a single luminaire and one control to many different luminaires in multiple locations being triggered and manipulated in real time. Consulting with the factory at the beginning stages of the project will ensure the required equipment be specified and properly installed.

Note: For multiple runs and multiple DPI boxes, consult factory.

Note: No more than four DPI Boxes, in series, can be utilized between the DMX Controller and any luminaire.

A DMX controller providing one universe of DMX-512 control.

To supply a complete system RDM set-up and playback control solution, use:

Fresco

- Manage multiple light sources in multiple lighting zones, all from one controller
- On screen lighting design and set-up, no computer required or Ethernet connection for remote configuration and advanced control
- All device settings are stored on-board in non-volatile memory
- Belden 9829 cable is the preferred communication/ data cable used to carry the DMX signal to and from the DPI Box. The total length of this cable must not exceed 1000 feet from the DMX controller to the DPI Box. No luminaires should be installed between DMX Controller and any DPI Box.
- © DPI box (Data Power Integration) is used to bundle DMX to line voltage and deliver them to the luminaire. This box provides necessary isolation between the DMX control and line voltage and is required for all MKS501 installations. The DPI box also serves as a 4-channel splitter enabling up to 128 fixtures to be controlled from a single DPI box. Refer to DPI Installation Sheet for dimensions and mounting details.
- 120V-277V input to DPI box. Metallic conduit and standard fittings are compatible as are multi-conductor cords provided they are appropriate to the mounting least in.
- E Feed cable connects junction box with first fixture in a run. 14 ga. conductors carry power, shielded 18 ga. conductors carry data. Input end is stripped for connection to the Junction or DPI box, output end includes a male or female plug for fixture connection. Also included with each feed cable is a termination/ sealing cap for the end of each run. Contact factory for availability of custom feed cable lengths.
- F A maximum of 32 luminaires can be connected to a single output channel of the DPI box. The maximum length of cord and luminaire run combined is 1000 feet per DMX/RDM specification.
- G Power and Data can be run to junction box locations in rigid conduit. Use Belden 9829 for data and copper wire per local code for power. Use appropriate fitting for combination cord.
- To ensure data integrity, a termination/sealing cap with 120 Ohm resistor is required at the last luminaire in each run. See installation instructions.

Fresco Control System







Submitted By 16500, INC Catalog Number
MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR
450LMF WW DARK MVOLT WTP DMX NOFCL

lotes

Type

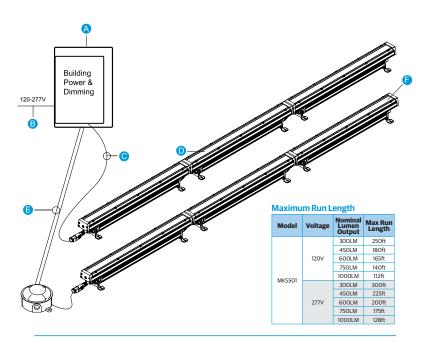
MARK ARCHITECTURAL LIGHTING

MARKLINE

Surface Tunable White & Warm Dimming Wet Location

BASIC SYSTEM WIRING INFORMATION WITHOUT DMX

This very basic system wiring diagram provides an overview of components and materials required for a simple installation of MKS501 luminaires controlled by building system power (By Others). These diagrams should not be used in place of actual installation instructions or submittal drawings prepared for a specific project.



Feed Cable Wiring

Black (-)	
White (+)	⊣
Gray (0-10(-))	Feed
Purple (0-10(+))——————	— O-1-1-
Green (GRND)	Cable
BARE SHIELD WIRE	

*Notes

- 1) Cap BARE SHIELD WIRE in Junction box. (By Others)
- 2) When not using 0-10V dimming, cap Gray and Purple separately in the junction box. (By Others)

Luminaire installation can be as simple as a single luminaire and one control to many different luminaires in multiple locations being triggered and manipulated in real time. Consulting with the factory at the beginning stages of the project will ensure the required equipment be specified and properly installed.

- A Building power and dimming control input via 0-10V system provided by others.
- B 120V-277V input. Metallic conduit and standard fittings are compatible as are multi-conductor cords provided they are appropriate to the mounting location.
- Feed cable connects junction box or control input with first fixture in a run. 14 ga. conductors carry power, shielded 18 ga. conductors carry data. Input end is stripped for connection to the junction box, output end includes a female or male plug for fixture connection. Also included with each feed cable is a sealing cap for the end of each run.
- A maximum of 32 luminaires can be connected to a single feed cable.
- Power can be run to junction box locations in rigid conduit. Use Belden 9829 for data and copper wire per local code for power. Use appropriate fitting for combination cord.
- Included with each feed cable is a sealing cap for the last luminaire in each run. See installation instructions.





Submitted By 16500, INC

Catalog Number MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL

Туре

MARK ARCHITECTURAL LIGHTING

MARKLINE

Surface Tunable White & Warm Dimming Wet Location

ACCESSORY OPTIONS

Fresco Control System

Series		Model		Options		Finish		
FCS	Fresco Control System	7TSN	7" touchscreen with nLight port	(blank) X	nlight only DMX/RDM control	DBL DWH DNA	Black White Natural Aluminum	



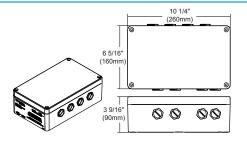
Refer to FRESCO spec sheet for additional details and options

DMX / Power Integrator

Model

MDPI4W

DPI4W- DMX/POWER INTEGRATOR BOX



Integrates DMX signal & 120-277 line voltage onto a single cable. Exterior rated, up to 4 output feeds, Silver Textured Finish.

Environmental Information

Storage Temperature	40°F - 185°F
Start-up Temperature	13°F - 122°F
Operating Temperature	13°F - 122°F
Ingress Protection Rating	IP65
Environment	Suitable for indoor and outdoor applications

Carries DMX signal and 120-277 line voltage power to right end of first fixture in run.

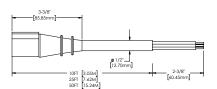
Supplied with termination/sealing cap. *Use one feed cable per run only.*

Feed Cable, Right Feed (Female Plug), Exterior (Linear) *Minimum of one feed cable, right, required per installation

Model

MFCLW10LR BCRD DXP 10FT Feed Cable w/ Sealing Cap, Right Feed, Exterior Location (Black) MFCLW25LR BCRD DXP 25FT Feed Cable w/ Sealing Cap, Right Feed, Exterior Location (Black) 50FT Feed Cable w/ Sealing Cap, Right Feed, MFCLW50LR BCRD DXP Exterior Location (Black) 100FT Feed Cable w/ Sealing Cap, Right Feed, Exterior Location (Black) MFCLW100LR BCRD DXP





Carries NON-DMX signal and 120-277 line

voltage power to right end of first fixture in

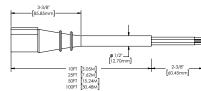
run. Supplied with termination/sealing cap.

Feed Cable, Right Feed (Female Plug), Exterior (Linear) *Minimum of one feed cable, right, required per installation

Model

MFCLW10LR BCRD NDXP 10FT Feed Cable w/ Sealing Cap, Right Feed, Exterior Location (Black) 25FT Feed Cable w/ Sealing Cap, Right Feed, MFCLW25LR BCRD NDXP Exterior Location (Black) MFCLW5OLR BCRD NDXP 50FT Feed Cable w/ Sealing Cap, Right Feed, Exterior Location (Black) MFCLW100LR BCRD NDXP 100FT Feed Cable w/ Sealing Cap, Right Feed, Exterior Location (Black)









Submitted By 16500, INC

Catalog Number MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL

Туре



MARKLINE

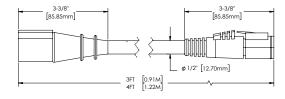
Surface Tunable White & Warm Dimming Wet Location

ACCESSORY OPTIONS (CONTINUED)

Jumper Cable *Optional*

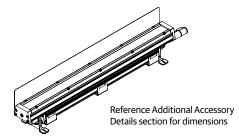
Model

MJCLW3L BCRD 3FT Jumper Cable Exterior Location (Black) MJCLW4L BCRD 4FT Jumper Cable Exterior Location (Black) Standard fixture is supplied with 15" cable to connect from one fixture to the next in a continuous run application. If a larger gap between fixtures is required, an optional jumper cable can be ordered separately. Cable carries DMX or NON-DMX signal and 120-277 line voltage power between two units in a run.



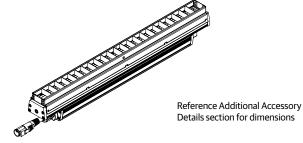
Glare Visor (Linear) *Optional*

Model		Fixtur	e Section	Finish		Option		
	lare Visor near Surface	U2 U3 U4	2FT Length Unit 3FT Length Unit 4FT Length Unit	BKT SIT WTP RALTBD CPF	Black Textured Paint Silver Textured Paint White Textured Paint RAL Paint Finish Custom Painted Finish	WL	Wet Location	



Baffle (Linear) *Optional*

Model		Fixtu	re Section	Optio	n
MBFL5	Baffle Linear Surface (Available in matte black finish only)	U2 U3 U4	2FT Length Unit 3FT Length Unit 4FT Length Unit	WL	Wet Location





Submitted By 16500, INC Catalog Number
MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR
450LMF WW DARK MVOLT WTP DMX NOFCL

lotes

Type

MARK ARCHITECTURAL LIGHTING

MARKLINE

Surface Tunable White & Warm Dimming Wet Location

ACCESSORY OPTIONS (CONTINUED)

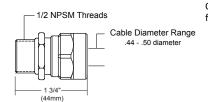
Liquid-Tight Cord Grip

Model

MCORDGP2

Liquid-Tight Cord Grip (Use to secure and seal feed cord to DPI Box)

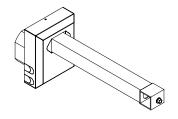




Connector to secures and seal feed cord.

Brackets *Optional*

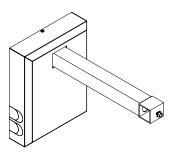
Series		Finish	
MCBT6 MCBT12 MCBT18	Cantilever Bracket 6" Projection Cantilever Bracket 12" Projection Cantilever Bracket 18" Projection	BKT SIT WTP RALTBD CPF	Black Textured Paint Silver Textured Paint White Textured Paint RAL Paint Finish Custom Painted Finish



Reference Additional Accessory Details section for dimensions

Brackets *Optional*

Series		Finish	
MCBTL6 MCBTL12 MCBTL18	Cantilever Bracket Large 6" Projection Cantilever Bracket Large 12" Projection Cantilever Bracket Large 18" Projection	BKT SIT WTP RALTBD CPF	Black Textured Paint Silver Textured Paint White Textured Paint RAL Paint Finish Custom Painted Finish



For use with surface mount junction box (by others) and surface mounted conduit (by others).

Reference Additional Accessory Details section for dimensions 16500, INC

Catalog Number MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL

Type

Note

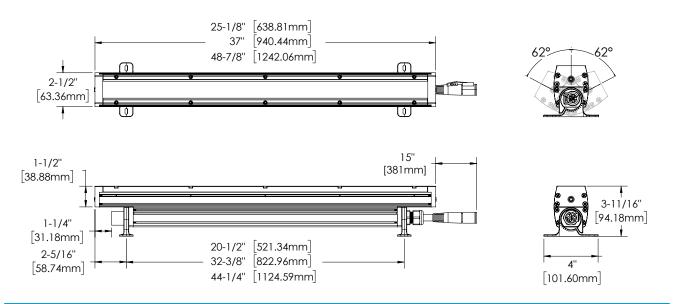


MARKLINE

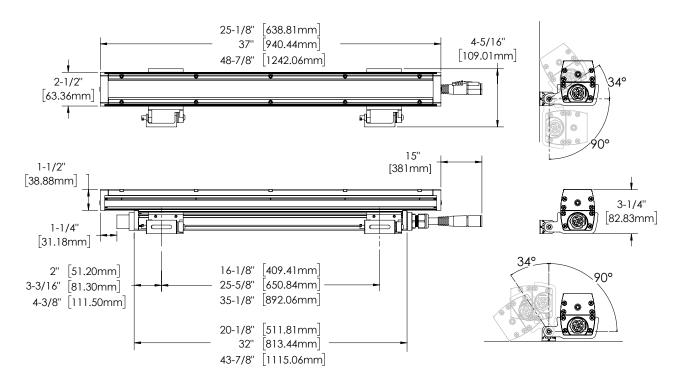
Surface Tunable White & Warm Dimming Wet Location

DRAWING DETAILS

M500ADJC1 - Adjustable Mount Center Axis



M500ADJH2 - Adjustable Mount Side Hinge





Submitted By 16500, INC

Catalog Number MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL

Туре

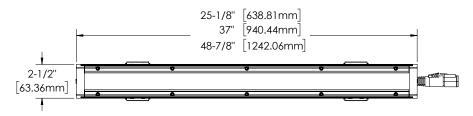


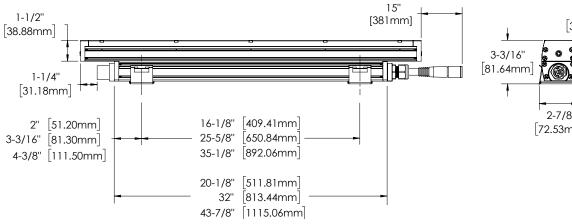
MARKLINE

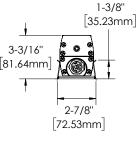
Surface Tunable White & Warm Dimming Wet Location

DRAWING DETAILS (CONTINUED)

M500FMC - Fixed Mount









Submitted By 16500, INC

Catalog Number MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL

Туре

MARK ARCHITECTURAL LIGHTING

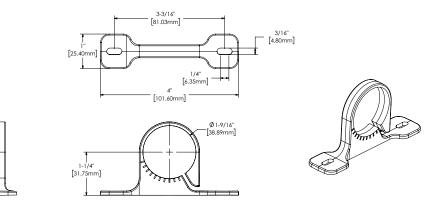
MARKLINE

Surface Tunable White & Warm Dimming Wet Location

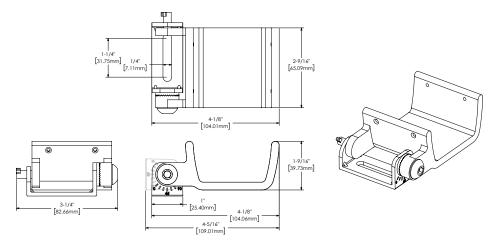
DRAWING DETAILS (CONTINUED)

[53.98mm]

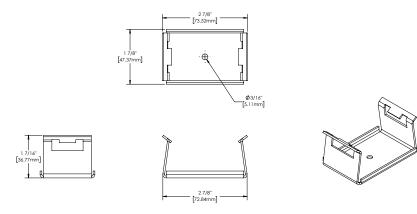
M500ADJC1 - Adjustable Mount Center Axis Detail



M500ADJH2 - Adjustable Mount Side Hinge Detail



M500FMC - Fixed Mount Detail





MKS501 TUWH WDIM WL 03/19/21



Submitted By 16500, INC Catalog Number
MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR
450LMF WW DARK MVOLT WTP DMX NOFCL

Туре

Notes

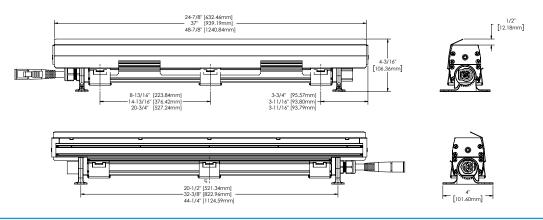
MARK ARCHITECTURAL LIGHTING

MARKLINE

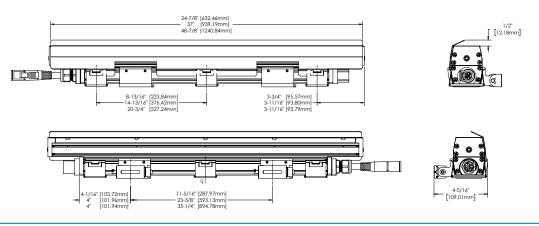
Surface Tunable White & Warm Dimming Wet Location

DRAWING DETAILS (CONTINUED)

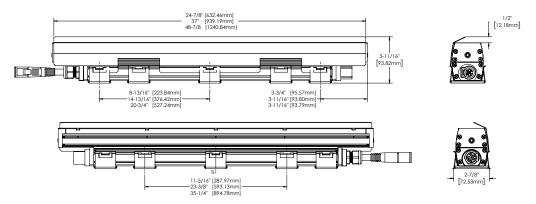
WW Asymmetric Glare Visor with M500ADJC1 Mount *Automatically included when WW distribution is ordered.*



WW Asymmetric Glare Visor with M500ADJH2 Mount *Automatically included when WW distribution is ordered.*



WW Asymmetric Glare Visor with M500FMC Mount *Automatically included when WW distribution is ordered.*





Submitted By 16500, INC

Catalog Number MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL

Туре

Notes

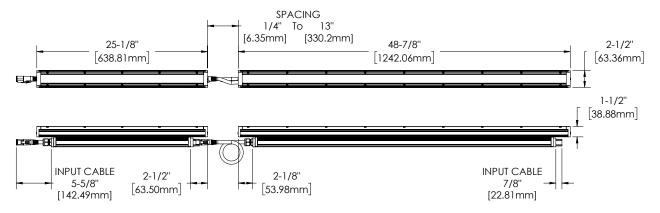
MARK ARCHITECTURAL LIGHTING

MARKLINE

Surface Tunable White & Warm Dimming Wet Location

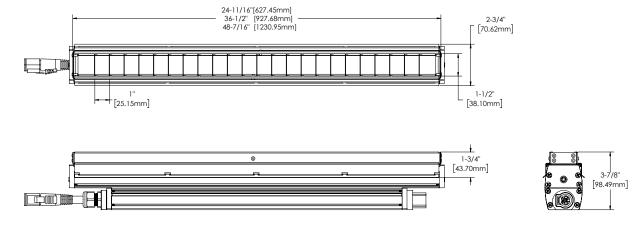
DRAWING DETAILS (CONTINUED)

MKS501 Series Typical End-To-End Run Configuration



ADDITIONAL ACCESSORY DETAILS

Baffle Linear Surface





Submitted By 16500, INC Catalog Number MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL

Notes

Type

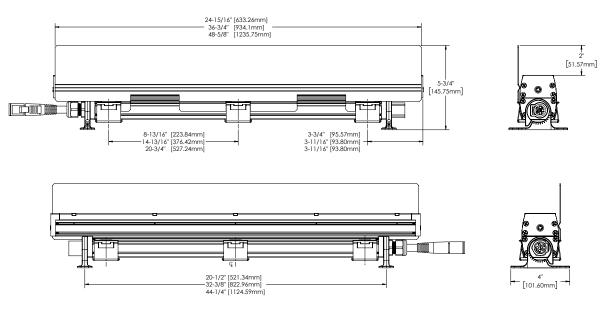
MARK ARCHITECTURAL LIGHTING

MARKLINE

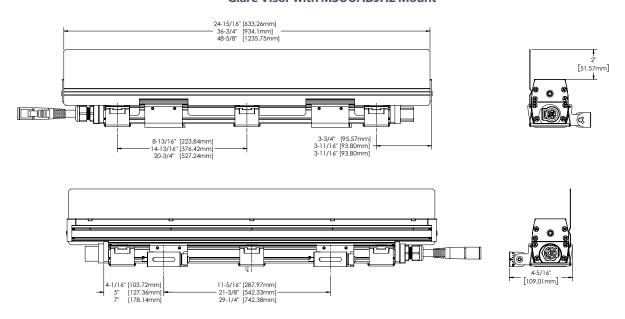
Surface Tunable White & Warm Dimming Wet Location

ADDITIONAL ACCESSORY DETAILS (CONTINUED)

Glare Visor with M500ADJC1 Mount



Glare Visor with M500ADJH2 Mount





Submitted By 16500, INC

Catalog Number MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR

Туре

450LMF WW DARK MVOLT WTP DMX NOFCL

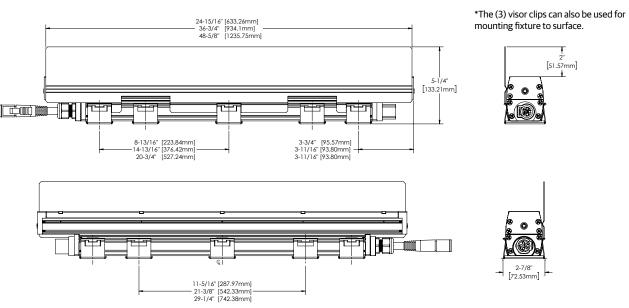
MARK ARCHITECTURAL LIGHTING

MARKLINE

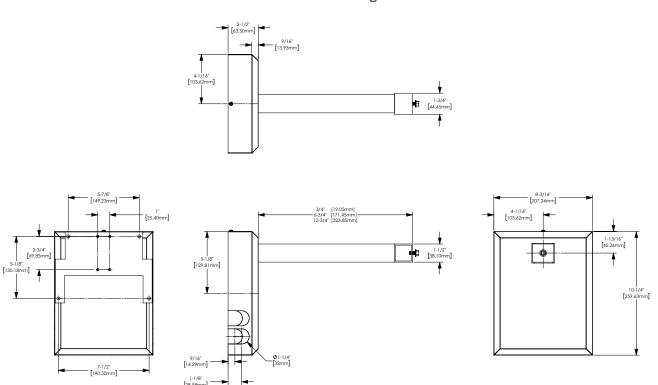
Surface Tunable White & Warm Dimming Wet Location

ADDITIONAL ACCESSORY DETAILS (CONTINUED)

Glare Visor with M500FMC Mount



Cantilever Bracket Large Detail







Submitted By 16500, INC Catalog Number
MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR
450LMF WW DARK MVOLT WTP DMX NOFCL

Туре

Notes

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MARK ARCHITECTURAL LIGHTING

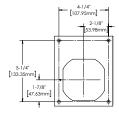
MARKLINE

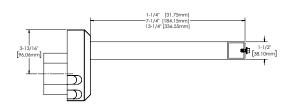
Surface Tunable White & Warm Dimming Wet Location

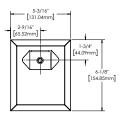
ADDITIONAL ACCESSORY DETAILS (CONTINUED)

Cantilever Bracket Detail







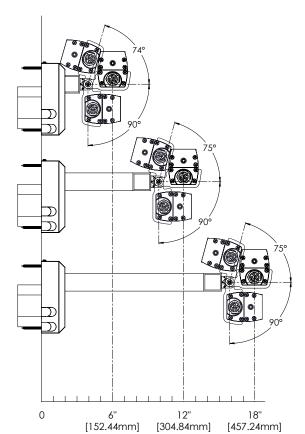


Cantilever Bracket Detail with M500ADJH2 and Fixture

Adjustable Extended Arm Mounting 6"

Adjustable Extended Arm Mounting 12"

Adjustable Extended Arm Mounting 18"







Submitted By 16500, INC Catalog Number MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL

Туре

Notes

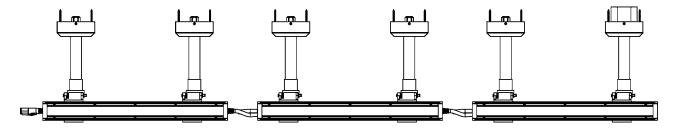
MARK ARCHITECTURAL LIGHTING

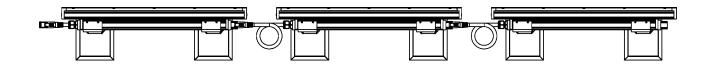
MARKLINE

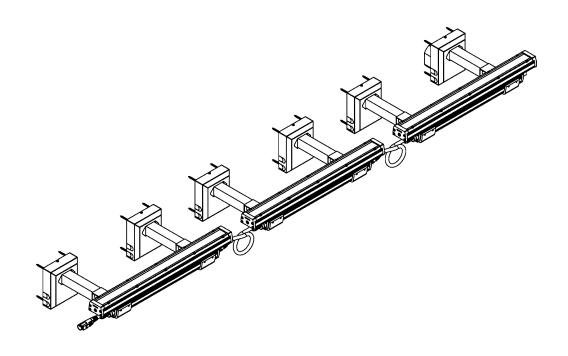
Surface Tunable White & Warm Dimming Wet Location

ADDITIONAL ACCESSORY DETAILS (CONTINUED)

MKS501 Series Typical End-To-End Run Configuration with Cantilever Brackets (Showing 6-foot run of (3) 2-foot units with MCBT12 bracket accessory









Submitted By 16500, INC Catalog Number

MKS501 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF WW DARK MVOLT WTP DMX NOFCL

Туре

Notes

MARK ARCHITECTURAL LIGHTING

MARKLINE

Surface Tunable White & Warm Dimming Wet Location

SPECIFICATIONS

Voltage: 120 through 277v/50-60Hz.

Distribution: $9^{\circ} \times 9^{\circ}$, $10^{\circ} \times 60^{\circ}$, $15^{\circ} \times 30^{\circ}$, $30^{\circ} \times 60^{\circ}$, $40^{\circ} \times 60^{\circ}$, $60^{\circ} \times 60^{\circ}$,

Asymmetric Wall Wash **Size:** 2.50 W x 3.00 H

Housing: Extruded aluminum snap together construction

Finish: Polyester powder coat painted finish. Black oxide fastener color with BKT

finish and natural stainless steel fastener color with WPT & SIT finishes

Lens Material: Extruded acrylic

LED Color Mix: RHYR: 12 LEDs per 12 inches in a 1:1 ratio (1x2700k, 1x4000k, 1x6500k). LAYR: 12 LEDs per 12 inches in a 1:1 ratio (1x2200k, 1x3000k, 1x5000k). GOLR: 12 LEDs per 12 inches in a 2:1 ratio (2x3000k, 1x2200k)

Control System: TUWH: Fresco DMX512 controller. WDIM: 0-10V dimmer control

Ingress Protection Rating: IP66 rated per IEC60598

Vibration: 3G vibration rated per ANSI 136.31 **Ambient Temperature Ranges:** -40° to +45°C

Mounting: Suitable for mounting within the space between ground and 4FT (1.2M) of the ground. Suitable for outdoor wet location applications.

Certification/Compliance: CSA Certified to meet U.S. and Canadian standards

conforming to UL 1598 and CAN/CSA C22.2 No. 250.0

Weight: 24" - 7.5 lbs (3.40 kg) / 36" - 11 lbs (4.98 kg) / 48" - 13 lbs (5.90 kg) **Buy American:** This product is assembled in the USA and meets the Buy

America(n) government procurement requirements under FARS, DFARS and DOT.

Please refer to www.acuitybrands.com/resources/buy-american for additional information.

Warranty: 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

Assembled in America: Buy American Act Compliant





Submitted By 16500, INC

Catalog Number MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Туре

MARK ARCHITECTURAL LIGHTING





MARKCOVE

LINEAR COVE TUNABLE WHITE & WARM DIMMING

HIGHLIGHTS

- Low profile extruded aluminum housing
- Wide 120 x 120 distribution
- Tunable White available in Rhythm Range (2700-6500K) or Layers Range (2200-5000K) incorporate warm-neutralcool LEDs
- Warm Dimming Golden Range from (3000-2200K)
- Wide and Powerful Range 300, 450, 600, 750 or 1000 lumens per foot
- Efficient with up to 111 lumens per watt
- · DXM with Remote Device Management
- Full compliment of mounting and shielding accessories
- Manufactured in USA

LUMEN OUTPUT

MCV502 TUWH RHYR												
Nominal Lumens	300LMF	450LMF	600LMF	750LMF	1000LMF							
Delivered Lumens	354	535	669	847	977							
Input Watts	2.63	3.88	4.88	6.25	7.25							
Lumens/Watt	135	138	137	136	135							

^{*}Based on a 4FT, 8OCRI, 4OK, RHYR fixture with a standard 120x120 distribution

MCV502 WDIM GOLR												
Nominal Lumens	300LMF	450LMF	600LMF	750LMF	1000LMF							
Delivered Lumens	354	535	669	847	977							
Input Watts	2.63	3.88	4.88	6.25	7.25							
Lumens/Watt	135	138	137	136	135							

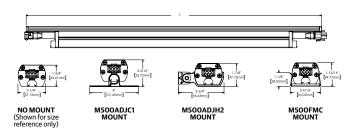
^{*}Based on a 4FT, 80CRI, 40K, GOLR fixture with a standard 120x120 distribution

SPECIFICATIONS

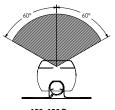


DIMENSIONS

Reference Drawing Detail section for additional information



STANDARD DISTRIBUTION



120x120 Degree

















Submitted By 16500, INC Catalog Number MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Туре

Notes

MARK ARCHITECTURAL LIGHTING

MARKCOVE

Linear Cove Tunable White & Warm Dimming

	RING			<u> </u>												K MVOLT SIT DMX MFCL10
Series		Linear	Plan			Tot	al Run Lengt	h	Max Se	ection Leng	gth	Mountir	ıg			Mounting Option
MCV502 MARKCOVE 502		LLP Linear Longest Possible LSL Linear Same Length LCB Linear Center Balance		_	_FT Specify.continuou feet in Tincrement minimum 0f2. (Example: 24FT)		s, with a MSL:		ISL2 2' ISL3 3' ISL4 4'		M500ADJCI Adjustable Mount Center Axis M500ADJH2 Adjustable Mount Side Hinge M500FMC Fixed Mount		(blank) MCBT6 MCBT12 MCBT18 MCBTL6 MCBTL12 MCBTL18 Must have?	No Cantilever option Cantilever Bracket 6" Projection Cantilever Bracket 12" Projection Cantilever Bracket 12" Projection Cantilever Bracket Large 6" projection Cantilever Bracket Large 2" projection Cantilever Bracket Large 12" projection Cantilever Bracket Large 18" projection M500ADJH2 Mounting selected.		
	Light Source Rendering	Dyi	namic Fea	ture		Dynamic	Range		Direct L	ED Light O	utput			Distribution		Minimum Dimming Level
80CRI 80CRI 90CRI* 90CRI *Notavailable with LAYR		WDIM** Warm Dimming *Available with LAYR & RHYR. **Available with GOLR		LAYF	(2200K-3000K) LAYR Layers Range (2200K-5000K) RHYR Rhythm Range (2500K-3000K) 750		300LMF 450LMF 450LMF 600LMF 750LMF 1000LMF 1000LMF 1000LMF		Foot Foot Foot	120X120	DEG 120 x 120 d	egrees D	ARK Constant Current, Dimming to <1%			
	Optional Shielding			/oltage			Finis	h		Cont	rol Inpu				Powe	rFeed
(blank) No Shielding MBFC Baffle Linear Cove black finish) MGVC Glare Visor linear C (Finish to match ho		MVOLT 120-277 Volt (Matte			WTP White Textured Paint SIT Silver Textured Paint BKT Black Textured Paint RALTBD RAL Color TBD CPF Custom Paint Finish RALTBD is for pricing only. Replace with applicable RAL number when placing ore		ı rder.	ZT* 0-10V DMX** DMX *For use with WDIM **For use with TUWH		М	M500WBXL Wire Splice Box, Left Feed, Interior Location, for C Wire Splice Box, Right Feed, Interior Location, for C Wire Splice Box, Right Feed, Interior Location Left Feed		Interior Location, for Conduit Termination d, Interior Location, for Conduit Termination Location Left Feed Location Left Feed coation Left Feed coation Right Feed coation Left Feed			

See page 8
See page 8
See page 8-10
See page 10
See page 11
See page 12

Model	Length	Weight
	24-1/4" (616 mm)	3.0 lbs (1.36 kg)
MCV502	36-1/8" (918 mm)	3.5 lbs (1.59 kg)
	48" (1219 mm)	4.5 lbs (2.04 kg)





Submitted By 16500, INC

Catalog Number MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Votes

Type

MARK ARCHITECTURAL LIGHTING

MARKCOVE

Linear Cove Tunable White & Warm Dimming

PERFORMANCE DATA

Tunable White RHYR Range

Lumens Per Foot	Fixture Length	Distribution	CCT/CRI 2700K/80	Input Watts 2700K/80	Delivered Lumens Per Foot	Input Watts Per Foot	CCT/CRI 4000K/80	Input Watts 4000K/80	Delivered Lumens Per Foot	Input Watts Per Foot	CCT/CRI 6500K/80	Input Watts 6500K/80	Delivered Lumens Per Foot	Input Watts Per Foot
	2FT	120x120	655	8.99	328	4.50	756	8.23	378	4.12	819	7.8	410	3.90
300	3FT	120x120	922	13.06	307	4.35	1065	11.95	355	3.98	1153	11.34	384	3.78
	4FT	120x120	1252	17.39	313	4.35	1446	15.91	362	3.98	1566	15.09	392	3.77
	2FT	120x120	789	16.46	395	8.23	911	15.06	456	7.53	987	14.29	494	7.15
450	3FT	120x120	1110	23.92	370	7.97	1282	21.89	427	7.30	1388	20.76	463	6.92
	4FT	120x120	1509	31.84	377	7.96	1742	29.13	436	7.28	1886	27.63	472	6.91
	2FT	120x120	959	13.03	480	6.52	1107	11.92	554	5.96	1199	11.31	600	5.66
600	3FT	120x120	1350	18.93	450	6.31	1559	17.32	520	5.77	1688	16.43	563	5.48
	4FT	120x120	1834	25.2	459	6.30	2117	23.06	529	5.77	2293	21.87	573	5.47
	2FT	120x120	1142	16.64	571	8.32	1319	15.23	660	7.62	1428	14.44	714	7.22
750	3FT	120x120	1607	24.18	536	8.06	1856	22.13	619	7.38	2010	20.99	670	7.00
	4FT	120x120	2183	32.19	546	8.05	2521	29.45	630	7.36	2730	27.94	683	6.99
	2FT	120x120	1336	20.87	668	10.44	1543	19.1	772	9.55	1670	18.11	835	9.06
1000	3FT	120x120	1880	30.32	627	10.11	2171	27.75	724	9.25	2351	26.32	784	8.77
	4FT	120x120	2554	40.36	639	10.09	2950	36.94	738	9.24	3194	35.03	799	8.76

Tunable White LAYR Range

Lumens Per Foot	Fixture Length	Distribution	CCT/CRI 2200K/80	Input Watts 2200K/80	Delivered Lumens Per Foot	Input Watts Per Foot	CCT/CRI 3500K/80	Input Watts 3500K/80	Delivered Lumens Per Foot	Input Watts Per Foot	CCT/CRI 5000K/80	Input Watts 5000K/80	Delivered Lumens Per Foot	Input Watts Per Foot
	2FT	120x120	436	6.56	218	3.28	499	5.12	250	2.56	496	4.85	248	2.43
300	3FT	120x120	633	9.8	211	3.27	724	7.64	241	2.55	720	7.24	240	2.41
	4FT	120x120	830	12.74	208	3.19	949	9.94	237	2.49	943	9.42	236	2.36
	2FT	120x120	726	9.95	363	4.98	830	7.76	415	3.88	825	7.35	413	3.68
450	3FT	120x120	1053	14.86	351	4.95	1204	11.59	401	3.86	1197	10.98	399	3.66
	4FT	120x120	1380	19.32	345	4.83	1579	15.08	395	3.77	1570	14.28	393	3.57
	2FT	120x120	945	13.05	473	6.53	1081	10.18	541	5.09	1075	9.64	538	4.82
600	3FT	120x120	1371	19.49	457	6.50	1568	15.2	523	5.07	1559	14.4	520	4.80
	4FT	120x120	1797	25.34	449	6.34	2055	19.77	514	4.94	2043	18.73	511	4.68
	2FT	120x120	1162	16.67	581	8.34	1329	13.01	665	6.51	1322	12.32	661	6.16
750	3FT	120x120	1686	24.9	562	8.30	1928	19.43	643	6.48	1917	18.4	639	6.13
	4FT	120x120	2210	32.38	553	8.10	2527	25.26	632	6.32	2513	23.93	628	5.98
	2FT	120x120	1441	23.36	721	11.68	1648	18.22	824	9.11	1638	17.26	819	8.63
1000	3FT	120x120	2090	24.89	697	8.30	2390	27.22	797	9.07	2376	25.78	792	8.59
	4FT	120x120	2740	45.37	685	11.34	3133	25.4	783	6.35	3116	33.53	779	8.38

Warm Dimming GOLR Range

Lumens Per Foot	Fixture Length	Distribution	CRI	Delivered Lumens	Input Watts	Lumen/ Watt	Delivered Lumens Per Foot	Input Watts Per Foot
	2FT	120x120	80	630	6.38	99	315	3.19
300	3FT	120x120	80	837	8.79	95	279	2.93
	4FT	120x120	80	1190	11.31	105	298	2.83
	2FT	120x120	80	916	9.47	97	458	4.74
450	3FT	120x120	80	1217	13.03	93	406	4.34
	4FT	120x120	80	1730	16.77	103	433	4.19
	2FT	120x120	80	1211	11.49	105	606	5.75
600	3FT	120x120	80	1609	15.82	102	536	5.27
	4FT	120x120	80	2288	20.35	112	572	5.09
	2FT	120x120	80	1510	13.74	110	755	6.87
750	3FT	120x120	80	2006	18.91	106	669	6.30
	4FT	120x120	80	2853	24.33	117	713	6.08
	2FT	120x120	80	1998	17.61	113	999	8.81
1000	3FT	120x120	80	2655	24.24	110	885	8.08
	4FT	120x120	80	3775	31.19	121	944	7.80

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.





Submitted By 16500, INC

Catalog Number MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

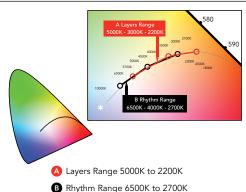
Туре

MARK ARCHITECTURAL LIGHTING

MARKCOVE

Linear Cove Tunable White & Warm Dimming

TUNABLE WHITE GAMUT AND RANGE



- The Gamut of a luminaire determines the potential color range, as well as light quality through measurements such as CRI and R9.
 The Path determines the range of colors temperatures available for the luminaire and how it tracks the Black Body Curve.

- TUNABLE WHITE GPHD

 Gamut: One dimensional Warm-Neutral-Cool (WiNC)

 Path: Multi-segment (6500K to 2700K) (Rhythm Range)

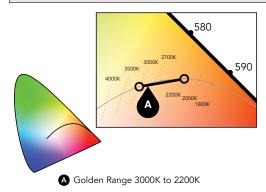
 or (5000K to 2200K) (Layers Range)

 Handle: Three handles: Warm, Neutral and Cool

 Data: DNX512/RDM

Rhythm Range is for designers who want to mimic the natural rhythms of daylight, with a broad palette of color temperatures. Layers Range offers the flexibility of tunable white control with the aesthetics of warm dimming, reaching to 2200K.

WARM DIMMING GAMUT AND RANGE



- The Gamut of a luminaire determines the potential color range, as well as light quality through measurements such as CRI and R9.
 The Path determines the range of colors temperatures available for the luminaire.

- WARM DIMMING GPHD
 Gamut: One dimensional Warm-Cool (WiC)
 Path: Straight Line 3000K to 2200K (Golden Range)
 Handle: One Handle: Intensity (with implicit CCT)
 Data: 0-10V

Replicate the comfortable, familiar feeling of traditional light sources warming in color as they are dimmed.



Submitted By 16500, INC

Catalog Number

MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL Туре

Notes

MARK ARCHITECTURAL LIGHTING

MARKCOVE

Linear Cove Tunable White & Warm Dimming

LINEAR PLAN

Mark offers the ability to provide a continuous run plan to suit your requirements by optionally offering three methods of configuration.

LLP Longest Length Possible:

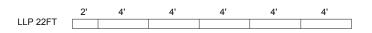
In this plan the longest length available is optimized resulting in the fewest segments and mounting locations. Caution should be used where balanced appearance is a concern. Example: 22FT row would have (5) 4FT segments and (1) 2FT segment located at one end.

LSL Longest Same Length:

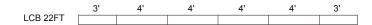
In this configuration each segment is the same length is standardized based on the longest length available and is the only option provided. Because it is dependent on one segment length there are mathematical limitations on what overall row lengths can be achieved. Example: 20FT row would be achieved with (5) 4FT long segments equaling 20FT (nominal).

LCB Longest Center Balanced:

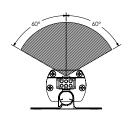
This configuration incorporates the longest center segment(s) along with any additional lengths required to fill located at each end. Example: 22FT row would have (2) 3FT segments (one at each end) and (4) 4FT intermediate segments located in between.

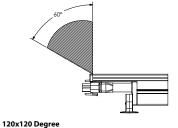






DISTRIBUTION







Submitted By 16500, INC

Catalog Number
MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR
450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Votes

MARK ARCHITECTURAL LIGHTING

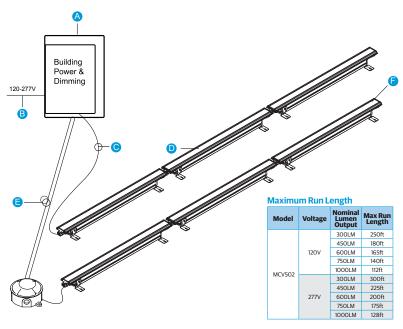
MARKCOVE

Linear Cove Tunable White & Warm Dimming

BASIC SYSTEM WIRING INFORMATION WITHOUT DMX

This very basic system wiring diagram provides an overview of components and materials required for a simple installation of MCV502 luminaires controlled by building system power (By Others). These diagrams should not be used in place of actual installation instructions or submittal drawings prepared for a specific project.

Interior application shown.



Feed Cable Wiring

Black (-)	
White (+)	
Gray (0-10(-))	—∣ Feed I
Purple (0-10(+))	
Green (GRND)—————	Cable
BARE SHIELD WIRE	

*Notes

- 1) Cap BARE SHIELD WIRE in Junction box. (By Others)
- 2) When not using 0-10V dimming, cap Gray and Purple separately in the junction box. (By Others)

Luminaire installation can be as simple as a single luminaire and one control to many different luminaires in multiple locations being triggered and manipulated in real time. Consulting with the factory at the beginning stages of the project will ensure the required equipment be specified and properly installed.

A Building power and dimming control input via 0-10V system provided by others.

Туре

- B 120V-277V input. Metallic conduit and standard fittings are compatible as are multi-conductor cords provided they are appropriate to the mounting location.
- Feed cable connects junction box or control input with first fixture in a run. 14 ga. conductors carry power, shielded 18 ga. conductors carry data. Input end is stripped for connection to the junction box, output end includes a female or male plug for fixture connection. Also included with each feed cable is a sealing cap for the end of each run.
- A maximum of 32 luminaires can be connected to a single feed cable.
- Power can be run to junction box locations in rigid conduit. Use Belden 9829 for data and copper wire per local code for power. Use appropriate fitting for combination cord.
- Included with each feed cable is a sealing cap for the last luminaire in each run. See installation instructions.





Submitted By 16500, INC Catalog Number

MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Notes

Type

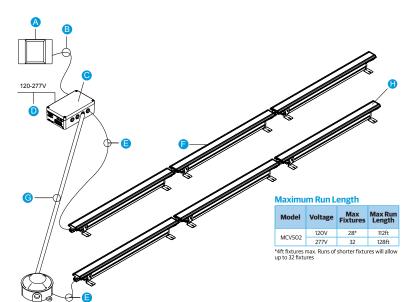
MARK ARCHITECTURAL LIGHTING

MARKCOVE

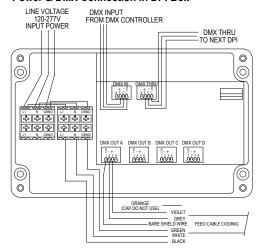
Linear Cove Tunable White & Warm Dimming

BASIC SYSTEM WIRING INFORMATION WITH DMX

This very basic system wiring diagram provides an overview of components and materials required for a simple installation of MCV502 luminaires controlled by a DMX controller. These diagrams should not be used in place of actual installation instructions or submittal drawings prepared for a specific project.



Power & DMX Connection in DPI Box



A tunable white luminaire installation can be as simple as a single luminaire and one control to many different luminaires in multiple locations being triggered and manipulated in real time. Consulting with the factory at the beginning stages of the project will ensure the required equipment be specified and properly installed.

Note: For multiple runs and multiple DPI boxes, consult factory.

Note: No more than four DPI Boxes, in series, can be utilized between the DMX Controller and any luminaire.

A DMX controller providing one universe of DMX-512 control.

To supply a complete system RDM set-up and playback control solution, use:

Fresco

- Manage multiple light sources in multiple lighting zones, all from one controller
- On screen lighting design and set-up, no computer required or Ethernet connection for remote configuration and advanced control
- All device settings are stored on-board in non-volatile memory
- Belden 9829 cable is the preferred communication/data cable used to carry the DMX signal to and from the DPI Box. The total length of this cable must not exceed 1000 feet from the DMX controller to the DPI Box. No luminaires should be installed between DMX Controller and any DPI Box.
- DPI box (Data Power Integration) is used to bundle DMX to line voltage and deliver them to the luminaire. This box provides necessary isolation between the DMX control and line voltage and is required for all MCV502 installations. The DPI box also serves as a 4-channel splitter enabling up to 128 fixtures to be controlled from a single DPI box. Refer to DPI Installation Sheet for dimensions and mounting details.
- 120V-277V input to DPI box. Metallic conduit and standard fittings are compatible as are multi-conductor cords provided they are appropriate to the mounting location.
- Feed cable connects junction box with first fixture in a run. 14 ga. conductors carry power, shielded 18 ga. conductors carry data. Input end is stripped for connection to the Junction or DPI box, output end includes a male or female plug for fixture connection. Also included with each feed cable is a termination/ sealing cap for the end of each run. Contact factory for availability of custom feed cable lengths.
- A maximum of 32 luminaires can be connected to a single output channel of the DPI box. The maximum length of cord and luminaire run combined is 1000 feet per DMX/RDM specification.
- G Power and Data can be run to junction box locations in rigid conduit. Use Belden 9829 for data and copper wire per local code for power. Use appropriate fitting for combination cord.
- To ensure data integrity, a termination/sealing cap with 120 Ohm resistor is required at the last luminaire in each run. See installation instructions.

Fresco Control System







Submitted By 16500, INC Catalog Number
MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR
450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Notes

MARK ARCHITECTURAL LIGHTING

MARKCOVE

Linear Cove Tunable White & Warm Dimming

ACCESSORY OPTIONS

Fresco Control System

Series	Model	Options	Finish
FCS Fresco Control System	7TSN 7" touchscreen with nLight port	(blank) nlight only X DMX/RDM control	DBL Black DWH White DNA Natural Aluminum



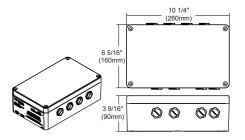
Refer to **FRESCO** spec sheet for additional details and options

DMX / Power Integrator

Model

MDPI4W

DPI4W- DMX/POWER INTEGRATOR BOX



Integrates DMX signal & 120-277 line voltage onto a single cable. Exterior rated, up to 4 output feeds, Silver Textured Finish.

Туре

Environmental Information

Storage Temperature	40°F - 185°F
Start-up Temperature	13°F - 122°F
Operating Temperature	13°F - 122°F
Ingress Protection Rating	IP65
Environment	Suitable for indoor and outdoor applications

Feed Cable, Right Feed (Female Plug)

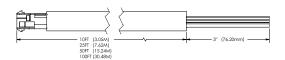
*Minimum of one feed cable, left or right, required per installation

Carries DMX signal and 120-277 line voltage power to right end of first fixture in run. Supplied with termination/sealing cap. *Use one feed cable per run only.*

Model

10FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black) MFCL10TR BCRD DXP 25FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black) MFCL25TR BCRD DXP 50FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black) MFCL50TR BCRD DXP MFCL100TR BCRD DXP 100FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black) 10FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White) MFCL10TR WCRD DXP MFCL25TR WCRD DXP 25FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White) 50FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White) MFCL50TR WCRD DXP MFCL100TR WCRD DXP 100FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White)









Submitted By 16500, INC Catalog Number
MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR
450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

lotes

Туре

MARK ARCHITECTURAL LIGHTING

MARKCOVE

Linear Cove Tunable White & Warm Dimming

ACCESSORY OPTIONS (CONTINUED)

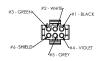
Feed Cable, Left Feed (Male Plug)

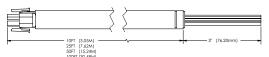
*Minimum of one feed cable, left or right, required per installation

Carries DMX signal and 120-277 line voltage power to left end of first fixture in run. Supplied with termination/sealing cap.
Use one feed cable per run only.

Model

10FT Feed Cable w/ Sealing Cap, Left Feed, MFCL10TL BCRD DXP Interior Location (Black) MFCL25TL BCRD DXP 25FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (Black) 50FT Feed Cable w/ Sealing Cap, Left Feed, MFCL5OTL BCRD DXP Interior Location (Black) MFCL100TL BCRD DXP 100FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (Black) MFCL10TL WCRD DXP 10FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (White) MFCL25TL WCRD DXP 25FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (White) MFCL50TL WCRD DXP 50FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (White) MFCL100TL WCRD DXP 100FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (White)





Feed Cable, Right Feed (Female Plug)

*Minimum of one feed cable, left or right, required per installation

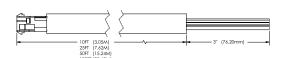
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viouci	M	n	ш	ρ	

10FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black) MFCL10TR BCRD NDXP 25FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black) MFCL25TR BCRD NDXP MFCL5OTR BCRD NDXP 50FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black) MFCL100TR BCRD NDXP 100FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black) MFCL10TR WCRD NDXP 10FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White) MFCL25TR WCRD NDXP 25FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White) 50FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White) MFCL50TR WCRD NDXP 100FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White) MFCL100TR WCRD NDXP

Carries NON-DMX signal and 120-277 line voltage power to right end of first fixture in run.

Supplied with termination/sealing cap. *Use one feed cable per run only.*







Submitted By 16500, INC Catalog Number

MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Notes

MARK ARCHITECTURAL LIGHTING

MARKCOVE

Linear Cove Tunable White & Warm Dimming

ACCESSORY OPTIONS (CONTINUED)

Feed Cable, Left Feed (Male Plug)

*Minimum of one feed cable, left or right, required per installation

Carries NON-DMX signal and 120-277 line voltage power to left end of first fixture in run.

Туре

Supplied with termination/sealing cap.
Use one feed cable per run only.

Model

MFCL25TL BCRD NDXP

MFCL5OTL BCRD NDXP

MFCL100TL BCRD NDXP

MFCL10TL BCRD NDXP 10FT Feed Cable w/ Sealing Cap, Left Feed,

Interior Location (Black)

25FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (Black)

50FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (Black)

100FT Feed Cable w/ Sealing Cap, Left Feed,

Interior Location (Black)

MFCLIOTL WCRD NDXP

10FT Feed Cable w/ Sealing Cap, Left Feed,

Interior Location (White)

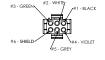
MFCL25TL WCRD NDXP 25FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (White)

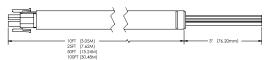
MFCL50TL WCRD NDXP 50FT Feed Cable w/ Sealing Cap, Left Feed,

Interior Location (White)

100FT Feed Cable w/ Sealing Cap, Left Feed,

Interior Location (White)





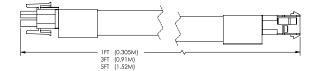
Jumper Cable *Optional*

MFCL100TL WCRD NDXP

Model

MJCLWIT BCRD
MJCLW3T BCRD
MJCLW5T BCRD
MJCLW5T BCRD
MJCLW5T BCRD
MJCLW1T WCRD
MJCLW3T WCRD
MJCLW3T WCRD
MJCLW3T WCRD
MJCLW5T WCRD
MJCLW

Carries DMX or NON-DMX signal and 120-277 line voltage power between two units in a run when larger spacing between units is required.





Submitted By 16500, INC

Catalog Number MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL



MARKCOVE

Linear Cove Tunable White & Warm Dimming

ACCESSORY OPTIONS (CONTINUED)

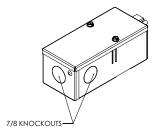
Wire Splice Box, Right Feed (Female Plug), *Optional* *Minimum of one wire splice box, left or right, required for installation

M500WBXR DXP

Wire Splice Box w/ Sealing Cap, Right Feed, Interior Location

M500WBXR WTPP DXP

Wire Splice Box,w/ Sealing Cap, Right Feed, Interior Location



Replaces feed cable for areas where flexible cord cannot be used to bring input DMX signal and 120-277 line voltage power to right end of beginning of run. Box allows 1/2" NPT conduit fitting connection and area for building wire splice connections. Supplied with termination/sealing cap.

Туре

*Use one wire splice box per run onlv.

Wire Splice Box, Left Feed (Male Plug), *Optional*

*Minimum of one wire splice box, left or right, required for installation

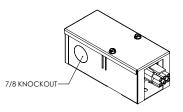
Model

M500WBXL DXP

Wire Splice Box,w/ Sealing Cap, Left Feed, Interior Location

M500WBXL WTPP DXP

Wire Splice Box,w/ Sealing Cap, Left Feed, Interior Location



Replaces feed cable for areas where flexible cord cannot be used to bring input DMX signal and 120-277 line voltage power to right end of beginning of run. Box allows 1/2" NPT conduit fitting connection and area for building wire splice connections. Supplied with termination/sealing cap.

Use one wire splice box per run only.

Wire Splice Box, Right Feed (Female Plug), *Optional*

*Minimum of one wire splice box, left or right, required for installation

Model

M500WBXR NDXP

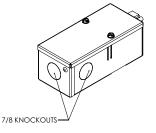
Wire Splice Box w/ Sealing Cap, Right Feed, Interior Location

(Galvanized Steel)

M500WBXR WTPP NDXP

Wire Splice Box,w/ Sealing Cap, Right Feed, Interior Location

(White)



Replaces feed cable for areas where flexible cord cannot be used to bring input NON-DMX signal and 120-277 line voltage power to right end of beginning of run. Box allows 1/2" NPT conduit fitting connection and area for building wire splice connections. Supplied with termination/sealing cap.

Use one wire splice box per run only.

Wire Splice Box, Left Feed (Male Plug), *Optional*

*Minimum of one wire splice box, left or right, required for installation

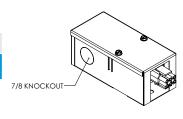
Model

M500WBXL NDXP

Wire Splice Box,w/ Sealing Cap, Left Feed, Interior Location

M500WBXL WTPP NDXP

Wire Splice Box,w/ Sealing Cap, Left Feed, Interior Location (White)



Replaces feed cable for areas where flexible cord cannot be used to bring input NON-DMX signal and 120-277 line voltage power to right end of beginning of run. Box allows 1/2" NPT conduit fitting connection and area for building wire splice connections. Supplied with termination/sealing

*Use one wire splice box per run only.





Submitted By 16500, INC

Catalog Number
MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR
450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Туре

lotes

MARK ARCHITECTURAL LIGHTING

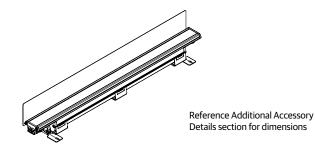
MARKCOVE

Linear Cove Tunable White & Warm Dimming

ACCESSORY OPTIONS (CONTINUED)

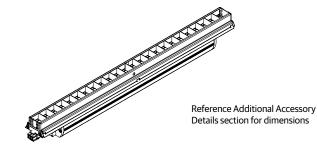
Glare Visor (Linear) *Optional*

Model	Fixture Section	Finish
MGVC5 Glare Visor Linear Cove	U2 2FTLength Unit U3 3FTLength Unit U4 4FTLength Unit	BKT Black Textured Paint SIT Silver Textured Paint WTP White Textured Paint RALTBD RAL Paint Finish CPF Custom Painted Finish



Baffle (Linear) *Optional*

Model		Fixtu	re Section
MBFC5	Baffle Linear Cove (Available in matte black finish only)	U2 U3 U4	2FT Length Unit 3FT Length Unit 4FT Length Unit



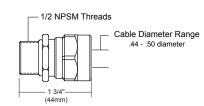
Liquid-Tight Cord Grip *Optional*

Model

MCORDGP2

Liquid-Tight Cord Grip (Use to secure and seal feed cord to DPI Box)

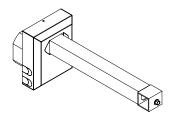




Connector to secures and seal feed cord.

Brackets *Optional*

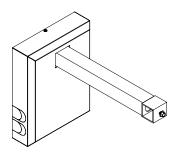
Series		Finish	
MCBT6 MCBT12 MCBT18	Cantilever Bracket 6" Projection Cantilever Bracket 12" Projection Cantilever Bracket 18" Projection	BKT SIT WTP RALTBD CPF	Black Textured Paint Silver Textured Paint White Textured Paint RAL Paint Finish Custom Painted Finish



Reference Additional Accessory Details section for dimensions

Brackets *Optional*

Series		Finish	
MCBTL6 MCBTL12 MCBTL18	Cantilever Bracket Large 6" Projection Cantilever Bracket Large 12" Projection Cantilever Bracket Large 18" Projection	BKT SIT WTP RALTBD CPF	Black Textured Paint Silver Textured Paint White Textured Paint RAL Paint Finish Custom Painted Finish



For use with surface mount junction box (by others) and surface mounted conduit (by others).

Reference Additional Accessory Details section for dimensions



Submitted By 16500, INC Catalog Number MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Notes

Type

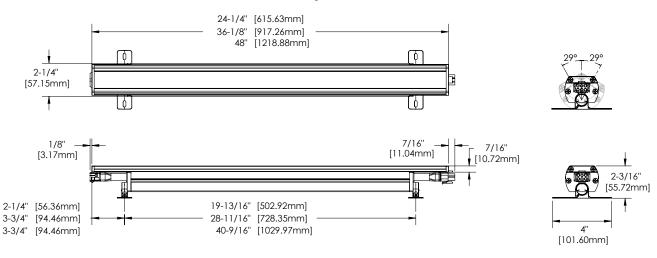
MARK ARCHITECTURAL LIGHTING

MARKCOVE

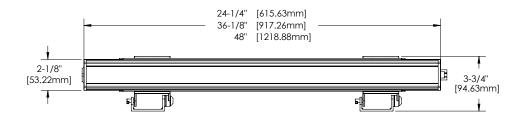
Linear Cove Tunable White & Warm Dimming

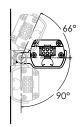
DRAWING DETAILS

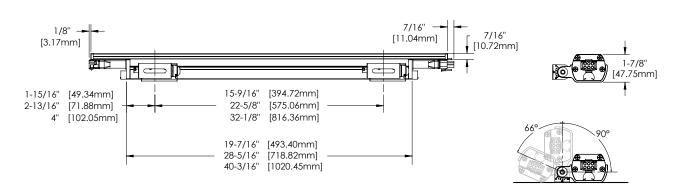
M500ADJC1 - Adjustable Mount Center Axis



M500ADJH2 - Adjustable Mount Side Hinge









Submitted By 16500, INC

Catalog Number MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

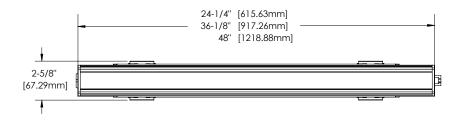
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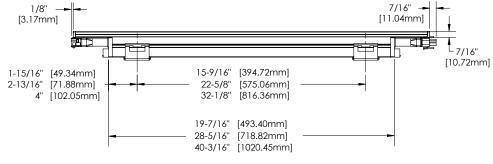
MARKCOVE

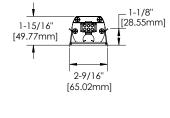
Linear Cove Tunable White & Warm Dimming

DRAWING DETAILS (CONTINUED)

M500FMC - Fixed Mount







Туре



Submitted By 16500, INC

Catalog Number
MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR
450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Notes

Type

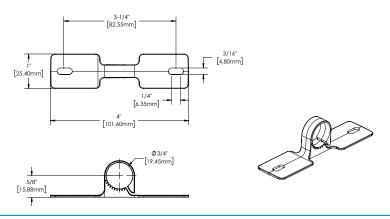
MARK ARCHITECTURAL LIGHTING

MARKCOVE

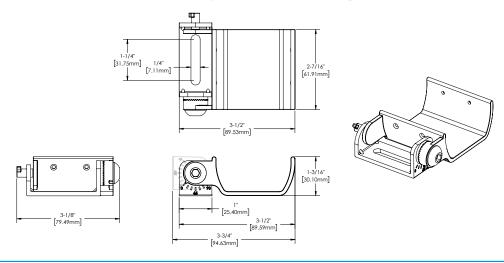
Linear Cove Tunable White & Warm Dimming

DRAWING DETAILS (CONTINUED)

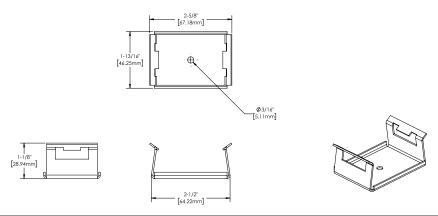
M500ADJC1 - Adjustable Mount Center Axis Detail



M500ADJH2 - Adjustable Mount Side Hinge Detail



M500FMC - Fixed Mount Detail





Submitted By 16500, INC

Catalog Number MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Notes

Туре

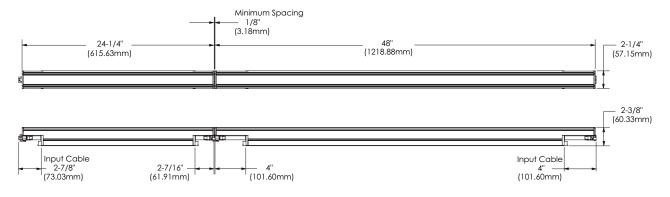
MARK ARCHITECTURAL LIGHTING

MARKCOVE

Linear Cove Tunable White & Warm Dimming

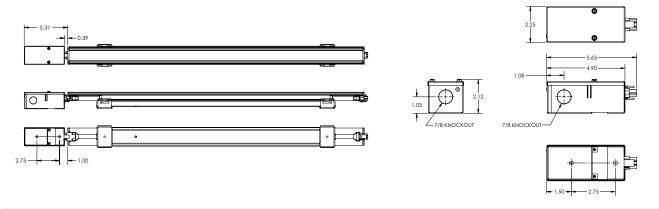
DRAWING DETAILS (CONTINUED)

MCV502 Series Typical End-To-End Run Configuration

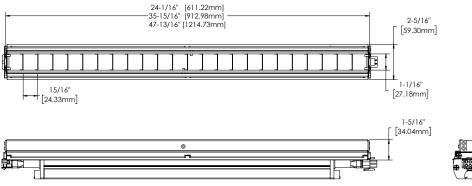


ADDITIONAL ACCESSORY DETAILS

M500WBX Details (Same dimensions apply for Left or Right Feed)



Baffle Linear Cove







Submitted By 16500, INC

Catalog Number MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Туре

Notes

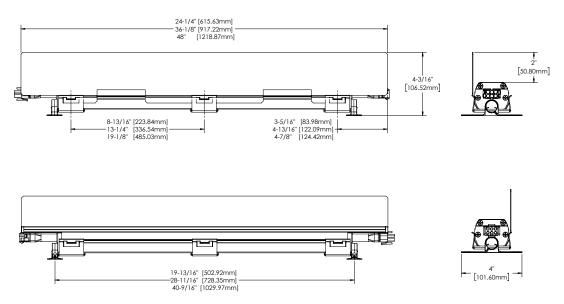
MARK ARCHITECTURAL LIGHTING

MARKCOVE

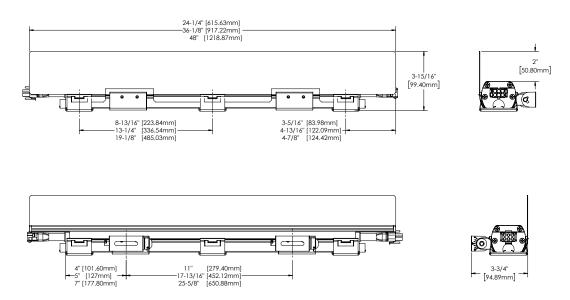
Linear Cove Tunable White & Warm Dimming

ADDITIONAL ACCESSORY DETAILS (CONTINUED)

Glare Visor with M500ADJC1 Mount



Glare Visor with M500ADJH2 Mount







Submitted By 16500, INC

Catalog Number MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Notes

Туре

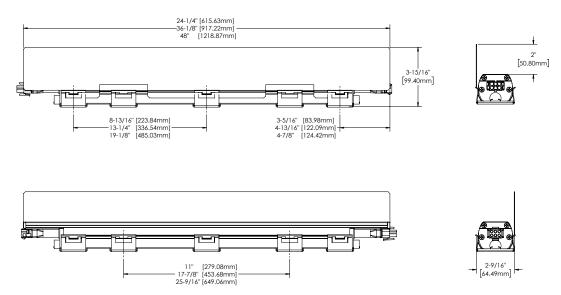
MARK ARCHITECTURAL LIGHTING

MARKCOVE

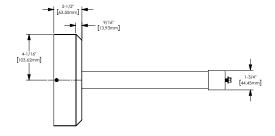
Linear Cove Tunable White & Warm Dimming

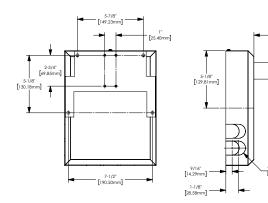
ADDITIONAL ACCESSORY DETAILS (CONTINUED)

Glare Visor with M500FMC Mount

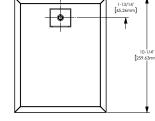


Cantilever Bracket Large Detail









4-1/16" [103.62mm]



Submitted By 16500, INC

Catalog Number MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Notes

Туре

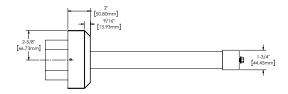
MARK ARCHITECTURAL LIGHTING

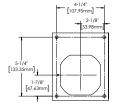
MARKCOVE

Linear Cove Tunable White & Warm Dimming

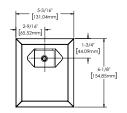
ADDITIONAL ACCESSORY DETAILS (CONTINUED)

Cantilever Bracket Detail

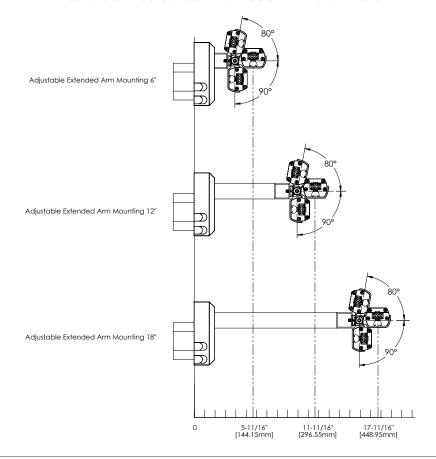








Cantilever Bracket Detail with M500ADJH2 and Fixture







Submitted By 16500, INC

Catalog Number MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Туре

Note

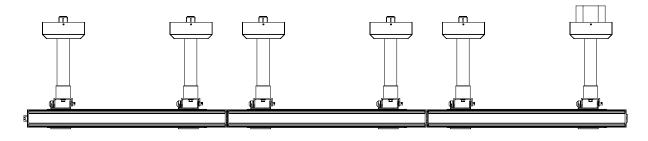
MARK ARCHITECTURAL LIGHTING

MARKCOVE

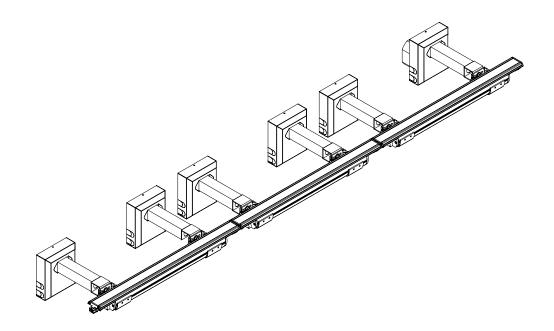
Linear Cove Tunable White & Warm Dimming

ADDITIONAL ACCESSORY DETAILS (CONTINUED)

MCV502 Series Typical End-To-End Run Configuration with Cantilever Brackets (Showing 6-foot run of (3) 2-foot units with MCBT12 bracket accessory









Submitted By 16500, INC

Catalog Number MCV502 LCB 4FT MSL4 M500ADJC1 80CRI TUWH RHYR 450LMF 120X120DEG DARK MVOLT WTP DMX NOFCL

Туре



MARKCOVE

Linear Cove Tunable White & Warm Dimming

SPECIFICATIONS

Voltage: 120 through 277v/60Hz Distribution: 120° x 120° Size: 2.25W x 1.75H

Housing: Extruded aluminum snap together construction

Finish: Polyester powder coat painted finish. Black oxide fastener color with BKT finish and natural stainless steel fastener color with WTP & SIT finishes

Lens Material: Extruded acrylic with frosted surface

Lumen Maintenance: LAYR: 60,000 hours L70 @ +120deg C.

RHYR: 120,000 hours L70@ +55deg C. GOLR: 60,000 hours L70 @ +55deg C LED Color Mix: RHYR: 12 LEDs per 12 inches in a 1:1 ratio (1x2700k, 1x4000k, 1x6500k). LAYR: 12 LEDs per 12 inches in a 1:1 ratio (1x2200k, 1x3000k,1x5000k).

GOLR: 12 LEDs per 12 inches in a 2:1 ratio (2x3000k, 1x2200k)

Control System: Fresco DMX512 controller, O-10V dimmer control (WDIM)

Ambient Temperature Ranges: -40° to +45°C

Mounting: Suitable for mounting within the space between ground and 4FT (1.2M) of the ground. Suitable for damp location applications.

Certification/Compliance: CSA Certified to meet U.S. and Canadian standards conforming to UL 1598 and CAN/CSA C22.2 No. 250.0

Weight: 24" - 3.0 lbs (1.36 kg) / 36" - 3.5 lbs (1.59 kg) / 48" - 4.5 lbs (2.04 kg) Buy American: This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FARS, DFARS and DOT. Please refer to www.acuitybrands.com/resources/buy-american for additional

Warranty: 5-year limited warranty. Complete warranty terms located at: www.acuitvbrands.com/support/customer-support/terms-and-conditions

Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C.

Specifications subject to change without notice. Assembled in America: Buy American Act Compliant





Submitted By 16500, INC

Catalog Number DL TW 43 O T2 HC 24

Notes

Туре



DURATAPE™ TUNABLE CCT

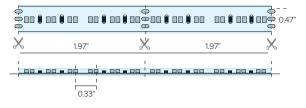
IP65 OUTDOOR

KEY FEATURES

a brand of TARGETTI

- · According to Human Centric Lighting principles, the Kelvin temperature of light has a profound influence on people's emotional state. DURATAPE TUNABLE CCT is fundamental for dynamic white light management to improve the overall environment and the wellbeing of people. Dynamic white light is essential in environments where people remain for a long period of time, such as offices and schools. It is equally useful to create different atmospheres within the same environment such as restaurants and hospitality environments.
- · DURATAPE TUNABLE CCT allows for full dynamic control of white light blends ranging from cool to warm kelvin tones, with dimming control independent of color. DURATAPE TUNABLE CCT offers two white color temperature ranges from 1800K to 3500K or from 2700K to 6500K.
- Features 2-circuit, double layer of copper sided substrate, for optimum heat dissipation, minimizing voltage drop while increasing run lengths per power feed, standardizing electrical flow over entire length of the strip for maximum product reliability.
- Features double sided solder points for maximum conductivity and
- Sold per foot and manufacturer pre-assembled to specific lengths with various connector options for project requirements and efficient power configurations.
- Max continuous length: up to 16' per run
- Multiple control options available.

DIMENSIONAL DRAWINGS













DETAILS

Spacing 0.33" OC Paired LED Spacing **LEDs** 68 LEDs per foot arranged as tight pairs of bi-colored sets Color Temp 1800K - 3500K 2700K - 6500K Color Consistency Bin centered on the Planck curve with a 2 step MacAdam Ra+90 CRI **End Preps** Factory prepped end preps available (See Page 2) Mounting Includes installation-ready 3M tape adhesive for simplified installation directly to mounting channel or application surface Installation Optional mounting channels and clips, protective lens covers, thermal channels for optimal maintainance. Field trimmable every 2" Power Supply Listed Class 2 output, 24 VDC power supply required Listing cULus Class 2 Listed E471161 Tested in accordance with LM-79-08

Energy efficient for California installations.

Compliance ROHS compliant

> MRI Safe driver to be mounted outside of MRI room. To be use with plastic or aluminum profiles only. To be installed with adhesive or MRI safe hardware only, no factory provided

mounting hardware to be used. 5 year warranty

DESIGN INSTALLATION EXAMPLES





White

FIXTURE DATA

Warranty

,			
Model	Efficacy* Lm/Wt	Lm/Ft	Wt/F
T1 – 3500K	71	305	4.3
T2 – 6500K	77	329	4.3
* Meets Title 2	24 High ef	ficacy ra	iting.

LED DATA

Model	Wt/LED	Viewing Angle	Lifespan at 90% drive
Tunable CCT	0.06W	120°	50,000hrs
* LEDs oper manufacture			

PRODUCT CODE INTENSITY	WATTAGE	IP RATING	COLOR TEMP	CRI	VOLTAGE	+	END PREP	+	MOUNTING +	-	POWER SUPPLY
DL — Duratape™ TW — Tuna	ble 43 — 4.3 W/ft	O — Outdoor IP65	T1 — 1800K — 3500K	HC —+90 CRI	24 — 24 VDC						

T2 - 2700K - 6500K



Submitted By 16500, INC

Catalog Number DL TW 43 O T2 HC 24

Notes

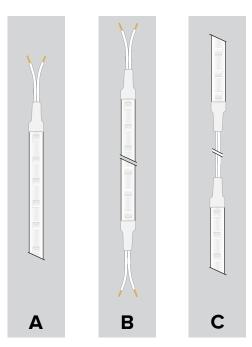
Туре



DURATAPE™ TUNABLE CCT

IP65 OUTDOOR

END PREPS AND CONNECTORS (REQUIRED) - Choose 1





REQUIRED END PREPS:

(One required for each run of tape)

Α

07UX2CBL1

Factory attached single lead wire prep. 24" Lead wire/dead end allows for connection to power at lead end and field trim of Duratape product at the other end.

07UX2ADDCBL-XX: ADDITIONAL **LEAD WIRE**

Additional lead wire purchased per foot and factory attached to specified run leads. Lead wire can be field cut to desired length.

В

07UX2CBL2

Factory attached double ended lead wire prep. 24" lead wire at both ends. One end can be used for power connectivity while the other end can be used for interconnection to run to an additional length of Duratape. Caution: Pay attention to max run lengths and voltage drops from total lead/fold wire lengths.

07UX2ADDCBL-XX: ADDITIONAL **LEAD WIRE**

12" Additional lead wire purchased per foot and factory attached to specified run leads. Lead wire can be field cut to desired length.

07UX2FOLDCBL-XX

Wire fold (specified length). Wire folds are factory attached to Duratape to meet your specified installation requirements. Wire fold lengths available are 1", 2", 3", 4", 6", 12". Add length number to end of part number. Caution: Pay attention to max run lengths and voltage drops from total lead/fold wire lengths.

OPTIONAL CONNECTORS:

D

07UX2ADDCON

Additional connectors. Lead wire connectors 3/ea per connection.



Submitted By 16500, INC

Catalog Number DL TW 43 O T2 HC 24

Notes

Туре



DURATAPE™ TUNABLE CCT

IP65 OUTDOOR

PROFILE OPACITY LEVEL KEY:



Uniform Direct View



Blended Direct / Indirect View



Pixelated Indirect View

CLIPS AND SURFACE PROFILES



DL-CLP-66

DuraTape ES plastic mounting clip, package of 10 each. Recommended quantities per use: Straight flat run aiming upward 12" O.C. (1/ft); Curved aiming upward or wall mounted straight 6" O.C. (2/ft); Wall mounted curved or ceiling mounted 3" O.C. (4/ft).



DL-EC

Optional silicone end cap for termination of IP66 tape, sold individually.

-0.50"-

0.63"

0.55"

0.67



DL-MCHAN-8

Linear Mounting profile. Available in 8' lengths.





DL-ALUM-U-8

Low profile aluminum U-Profile for linear run lengths. Available in 8ft lengths.



DL-ALUM-L-8

Aluminum L-Profile 1/2" x 1/2" for linear run lengths. Duratape can be mounted at either 0° or 90° mounting positions. Available in 8ft lengths.







DL-W-45-MCH-4 (Base, REQUIRED) 45° mounting base (white) for 45° mounted linear applications. Available in 4' lengths.



45° mounting base cover. Available in 4' lengths.



DL-W-2PC-C (Clear)

DL-W-2PC-F10/F30/F60 (Frosted)

Two-piece mounting tube; base (clear) with cover (frosted) for linear applications. Frosted diffusion levels, 10%, 30% or 60%. Available in 4' lengths.



0.81" 0.87"



Submitted By 16500, INC Catalog Number
DL TW 43 O T2 HC 24

Notes

Type



LAMP

a brand of TARGETTI

DURATAPE™ TUNABLE CCT

IP65 OUTDOOR

SURFACE PROFILES



P02B-S-PF-300

Aluminum profile with white PMMA screen for surface or recessed installation with limited width. Equipped with angle-joint accessory. Available in 118in (3M) lengths.

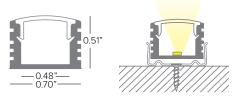


P02B-A-EC

3+3 pc silver end caps.

P02B-A-MC

4 Metal mounting clips.



NOTE: 118 inch lengths must be shipped via freight only. For efficient shipping via UPS/Fedex, lengths can be cut to 59 inch upon request.



P03B-S-PF-300

Aluminum profile with polycarbonate lens with uniform light distribution for surface or recessed with suitable clips. Available in 118in (3M) lengths.

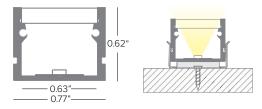


P03B-A-EC

3+3 pc silver end caps.

P03B-A-MC

3 Metal mounting clips.



NOTE: 118 inch lengths must be shipped via freight only. For efficient shipping via UPS/Fedex, lengths can be cut to 59 inch upon request.



Submitted By 16500, INC

Catalog Number DL TW 43 O T2 HC 24

Notes

Туре

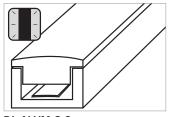


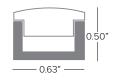


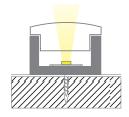
DURATAPE™ TUNABLE CCT

IP65 OUTDOOR

SURFACE PROFILES CONT.







DL-ALUM-C-6

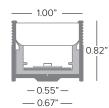
Surface mounted two-piece continuous illumination profile. 1/2"H x 5/8"W aluminum U-channel with 6" OC screw holes. Snap in full diffusion lens for shadowless light distribution. Available in 6ft lengths.

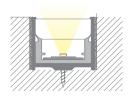


Rigid high impact resistant PMMA profile complete with a white plastic diffuser lensed channel for recssed walk over installation. Complete with track for easy strip insertion. Available in 3.28ft (1M) lengths.



KTPRINTC-G 2+2 PC end caps





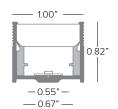


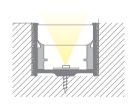
PRINTC-GUS

Rigid high impact resistant PMMA profile complete with two part white plastic diffuser lens and aluminum channel for surface or recessed mounting. Available in 3.28ft (1M) lengths.



KTPRINTC-G 2+2 PC end caps







Submitted By 16500, INC Catalog Number
DL TW 43 O T2 HC 24

Notes

Type

0.76"



DURATAPE™ TUNABLE CCT

IP65 OUTDOOR

a brand of TARGETTI

SURFACE PROFILES CONT.



PRAP-U

Surface mount aluminum profile. Anodized aluminum rigid profile complete with opal translucent diffuser cover. Available in 79in (2M) lengths.



KTPRAP-UEC

5 + 5 silver color end caps

KTPRU-CL

5 sets of clips

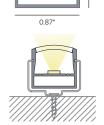


OR-DEV

Set of steel supports required with use of KTORDEV-U.

KTORDEV-U

Set of aluminum mounting heads required with use of OR-DEV.





PRIN-U

Flush mount aluminum profile. Anodized aluminum rigid profile complete with opal translucent diffuser cover. Available in 79in (2M) lengths.

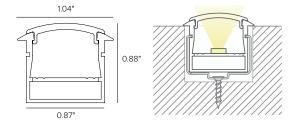


KTPRIN-UEC

5 + 5 silver color end caps

KTPRU-CL

5 sets of clips





PRAN-U

45° aluminum profile. Anodized aluminum rigid profile complete with opal translucent diffuser cover. Available in 79in (2M) lengths.

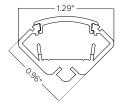


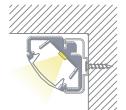
KTPRAN-UEC

5 + 5 silver color end caps

KTPRAN-UCL

5 sets of clips







Submitted By 16500, INC

Catalog Number DL TW 43 O T2 HC 24

Notes



DURATAPE™ TUNABLE CCT

IP65 OUTDOOR

Туре

ADJUSTABLE PROFILES



P02C-S-PF-300

180° adjustable aluminum profile with wall washer function for surface with suitable clips. Available in 118in (3M) lengths.

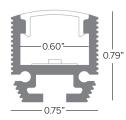


P02C-A-EC

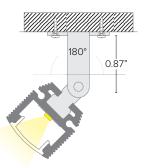
3+3 metal end caps.

P02C-A-OB

3 Metal adjustable brackets.



NOTE: 118 inch lengths must be shipped via freight only. For efficient shipping via UPS/Fedex, lengths can be





P03C-S-PF-300

180° adjustable aluminum profile with wall washer function for surface with suitable clips. Lens shape creates narrower spread. Available in 118in (3M) lengths.

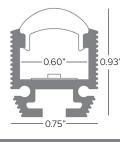


P03C-A-EC

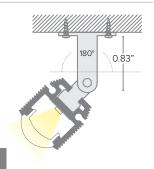
3+3 metal end caps.

P03C-A-OB

6 Metal adjustable brackets.



NOTE: 118 inch lengths must be shipped via freight only. For efficient shipping via UPS/Fedex, lengths can be cut to 59 inch upon request.





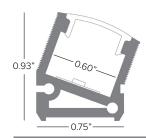
P04C-S-PF-300

Fixed profile at 30° with a wall washer function for surface installation. Available in 118in (3M) lengths.



P04C-A-EC

3+3 metal end caps.





NOTE: 118 inch lengths must be shipped via freight only. For efficient shipping via UPS/Fedex, lengths can be cut to 59 inch upon request.



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Notes

Туре



DURATAPE™ TUNABLE CCT

IP65 OUTDOOR

Power Supply (REQUIRED)	Туре	Wattage	Input/Output Voltage	Dimmable	IP Rating	Output	Dimensions
DEDDX1001242CDMX	ELECTRONIC ADDRESSABLE DMX DRIVER	100W	120-277V / 24V	DMX CONTROL 2 CHANNEL	NEMA3R ENCLOSURE	UL CLASS 2	12" × 12" × 4" ¹
DEDDX2002242CDMX	ELECTRONIC ADDRESSABLE DMX DRIVER	2X100W	120-277V / 24V	DMX CONTROL 2 CHANNEL	NEMA3R ENCLOSURE	UL CLASS 2	12" x 12" x 4" ¹

 $^{^{\}mbox{\scriptsize 1}}$ Dimensions include enclosure with mounting bracket.

MAXIMUM INTERCONNECTED TAPE LENGTH PER DRIVER

ure	Driver Wattage					
+ = =		100W	2X100			
Fix	4.3W/ft	18FT	(2) 18FT			

Controller (Optional)	Туре	Application	Voltage	Listing	Dimensions	# of DMX Channels	Number of Zones	Number of Scenes
SWITCH23	CCT Touch DMX512 Wall Control Panel with Sensitive Glass Touch Panel, White Finish	Indoor Only	12-24V DC	UL	4.73"H x 2.95"W x 1.15"D	2	1	6



SWITCH23

 $^{^{*}}$ Constant voltage drivers 50/60HZ, voltage regulated with short circuit protection. Operating temperature -40 C- 80° C

^{*} Installation of power supply must be compliant to Class 2 installation standards. Refer to NEC and local building code requirements.



Tunable White | Color Tuning
Submitted By
16500, INC

Catalog Number
DL TW 43 O T2 HC 24

Notes

Туре



DURATAPE™ TUNABLE CCT

IP65 OUTDOOR

PHOTOMETRY

DURATAPE CC	Т		Polar Graph
Fixture Power	4.3W	4.3W	Gamma Angles 180° 165° 150°
Fixture Output	305Lm	329Lm	280
Kelvin Temp	1800-3500K	2700-6500K	195°
Beam Spread	120°	120°	
IMax	316cd/klm	316cd/klm	120"
Efficacy	71 Lm/W	77 Lm/W	105*
			50"
			75°
			60. 0, 60.

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Catalog Number HS2 CS 8 TW2765 S F S F DMX SC SW 44 SW W 4

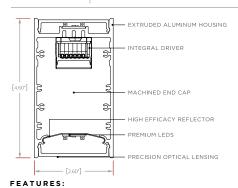
Notes

Туре

HASSIUM 2

OVERVIEW . SPECIFICATIONS . ORDERING

CABLE SUSPENDED CS



PERFORMANCE

STATIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	2115	2323	4438	32	139	4000/80
L	2964	3256	6220	48	130	4000/80
S	3925	4311	8235	64	129	4000/80
Н	4722	5187	9909	80	124	4000/80
VH	5696	6256	11953	96	125	4000/80



CCT MULTIPLIERS STATIC WHITE

	ССТ	270	ок	300	ок	350	ок	40	оок	500	оок
Ī	CRI	80	90	80	90	80	90	80	90	80	90
	MULTIPLIER	0.93	0.79	0.96	0.82	0.97	0.85	1	0.89	1.01	0.89

- PRECISION OPTICAL LENSING OPTIONS OR HIGH TRANSMISSION FROSTED LENSING
- 1% DIMMING DRIVERS STANDARD
- ADJUSTABLE AIRCRAFT CABLE SUSPENSION SYSTEM
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL
- BI-DIRECTIONAL FIXTURE

NOTE: ALL ITALICIZED OPTIONS MAY INCREASE LEAD TIME. PLEASE CONSULT FACTORY WITH QUESTIONS.



FIXTURE MODEL	MOUNTING	NOMINAL LENGTH (FT)	CCT/CRI	DIRECT DIRECT POWER BEAM LEVEL ¹ DISTRIBUTION	INDIRECT INDIRECT POWER BEAM LEVEL' DISTRIBUTION'	DRIVER
HS2 Hassium 2	CS Cable Suspended CSD Cable Suspended Direct Only	2 3 4 5 6 7 8 CRI Continuous Run (Specify Length in Nominal Feet) 1. Power feed is always first section in a continuous run	827 830 835 840 850 927 930 935 940 950 <i>TW2765</i> <i>WD1827</i> <i>RGBW'</i> 1 Pair only w/power level(s) = 5, beams = F	VL Very low G Graze L Low N Narrow S Standard Flood H High F Flood VH Very High W Wall Wash A Aisle	VL Very low B F Flood L Low B Batwing S Standard H High VH Very High 1.2ft & 3ft - must have same power output for up and down	ID EldoLED 1% OID EldoLED 0.7% LDEI Lutron Ecosystem 1 LDE5 Lutron Ecosystem 3 IDT (TW) IDW (WD) DMX (RGBW) DALI (INTL) 1. Driver must reside in remote housi

HOUSING FINISH	END CAPS FINISH	CANOPY SIZE	CANOPY FINSH	POWER CORD	CABLE LENGTH	OPTIONS
SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat	MF Machined Finish SW Satin White MB Matte Black	44 4" Power feed canopy 4" Non-power feed canopy 40 4" Power feed canopy Canopy only at power feed 41 4" Power feed canopy I" Non-power feed canopy	MF Machine Finish SW Satin White MB Matte Black	W White G Gray B Black	4 4′ 8 8′	EMB7 ^{1,3} 7 Watt battery back-up (Approximately 600 lumens) EMB12 ^{1,4} 12 Watt battery back-up (Approximately 1000 lumens) EMW ^{1,2} Emergency Circuit Wirin WSN nLight Sensor WSE WSE Englighted Sensor WSL Lutron Vive Sensor WSL Lutron Vive Sensor Under Dual Circuit 1.ENS/ENW only lipked to first section of continuous rue. 2.ENW not available for 2ft/3ft lengths 3.ENB7-6ft and up 4.ENB12-7ft and up 4.ENB12-7ft and up 4.ENB12-7ft and up 5.ENB16 and selble for combined 8FT length & WH.cov

NOTE: All italicized options may increase lead time. Please consult factory with questions.

GENERAL

All fixtures are UL listed for dry and damp locations. INTEGRAL DRIVER for all options. Please contact the factory with any specification questions.

FIXTURE ORIENTATION

Bidirectional (CS) for downlight and uplight applications.



ECOSENSE LIGHTING INC. 837 NORTH SPRING STREET SUITE 103 LOS ANGELES, CA 90012

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Notes

Туре

HASSIUM 2

OVERVIEW . SPECIFICATIONS . ORDERING

OPTIONS GUIDE

BIDIRECTIONAL

STATIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	2115	2323	4438	32	139	4000/80
L	2964	3256	6220	48	130	4000/80
S	3925	4311	8235	64	129	4000/80
Н	4722	5187	9909	80	124	4000/80
VH	5696	6256	11953	96	125	4000/80

CCT MULTIPLIERS, STATIC WH

сст	80CRI	90CRI
2700K	0.93	0.79
3000K	0.96	0.82
3500K	0.97	0.85
4000K	1.00	9.89
5000K	1.01	0.89

DYNAMIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	ССТ
VL	1484	1630	3115	48	65	4000/90
L	2081	2285	4366	64	68	4000/90
S	2755	3025	5780	72	80	4000/90
Н	3314	3640	6955	88	79	4000/90
VH	3998	4391	8389	96	87	4000/90

CCT MULTIPLIERS, DYNAMIC WH

сст	90CRI
2700K	1.09
3000K	1.08
3500K	1.03
4000K	1860
5000K	0.99
6500K	0.98

WARM DIM | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	ССТ
VL	1558	1712	3270	48	68	2700/90
L	2184	2399	4584	64	72	2700/90
S	2892	3176	6068	72	84	2700/90
Н	3480	3822	7302	88	83	2700/90
VH	4197	4610	8808	96	92	2700/90

CCT MULTIPLIERS, WARM DIM

сст	90CRI
1800K	0.02
2250K	017
2700K	1.00

RGBW | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	CHANNEL (S)	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	ССТ
S	White	382	420	802	20	40	4000
S	All	883	970	1853	40	46	N/A

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Notes

HASSIUM 2

OVERVIEW . SPECIFICATIONS . ORDERING

OPTIONS GUIDE

Туре

DIRECT

DIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

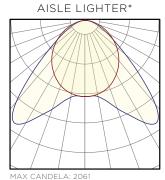
TYPE	CCT/CRI	ENERGY WATTS/ 4FT	FLOOD LM/4FT	FLOOD LPW	NARROW FLOOD LM/4FT	NARROW FLOOD LPW	AISLE LIGHTER LM/4FT	AISLE LIGHTER LPW	GRAZE LM/4FT	GRAZE LPW	WALL WASH LM/4FT	WALL WASH LPW
STATIC WHITE	4000K/80	S (32W)	3925	123	4475	140	4446	139	4752	149	4063	127
DYNAMIC WHITE	4000K/90	S (36W)	2755	77	3138	87	3103	86	3312	92	2824	78
WARM DIM	2700K/90	S (36W)	2892	80	3295	92	3258	91	3478	97	2965	82
RGBW	ALL CHANNELS UP	S (20W)	883	44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD*

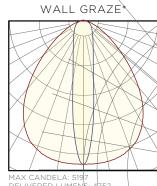
MAX CANDELA: 1336 DELIVERED LUMENS: 3925 WATTS: 32 LPW: 123

NARROW FLOOD*

MAX CANDELA: 3831 DELIVERED LUMENS: 4475 WATTS: 32 I PW: 140

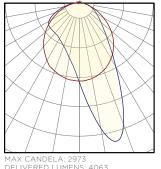


MAX CANDELA: 2061 DELIVERED LUMENS: 4446 WATTS: 32



MAX CANDELA: 5197 DELIVERED LUMENS: 4752 WATTS: 32 LPW: 149

WALL WASH*



MAX CANDELA: 2973 DELIVERED LUMENS: 4063 WATTS: 32 LPW: 127

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

CCT MULTIPLIERS STATIC WHITE

ССТ	2/0	ок	300	оок	350	ок	40	00K	5000K
CRI	80	90	80	90	80	90	80	90	80 90
MULTIPLIER	0.93	0.79	0.96	0.82	0.97	0.85		0.89	1.01 0.89

CCT MULTIPLIERS DYNAMIC WHITE

ССТ	2700K	3000К	3500K	4000K	5000К	6000K
CRI MULTIPLIER	90 1.09	90 1.08	90	90	90 0.99	90

CCT MULTIPLIERS WARM DIM

сст	1800K	2250K	2700K
CRI	90	90	90
MULTIPLIER	0.02	0.17	

POWER LEVEL MULTIPLIERS

POWER	VL	L	S	н	VH
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAIMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45



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Notes

HASSIUM 2

OVERVIEW . SPECIFICATIONS . ORDERING

OPTIONS GUIDE

Туре

INDIRECT

INDIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

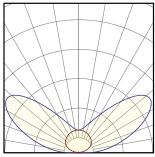
ТҮРЕ	CCT/CRI	ENERGY WATTS/4FT	FLOOD LM/4FT	FLOOD LPW	BATWING LM/4FT	BATWING LPW
STATIC WHITE	4000K/80	S (32W)	4311	135	3933	123
DYNAMIC WHITE	4000K/90	S (36W)	3025	84	2764	77
WARM DIM	2700K/90	S (36W)	3176	88	2902	81
RGBW	ALL CHANNELS UP	S (20W)	970	49	N/A	N/A

FLOOD*

MAX CANDELA: 1677 DELIVERED LUMENS: 4311 WATTS: 32 PW: 135

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

BATWING*



MAX CANDELA: 1722 DELIVERED LUMENS: 3933 WATTS: 32 LPW: 123

LUMINAIRE TOTAL LUMENS PER WATT

(DIRECT LUMENS/FT + INDIRECT LUMENS/FT) x FIXTURE TOTAL LINEAR FT

(DIRECT WATTS/FT + INDIRECT WATTS/FT)
x FIXTURE TOTAL LINEAR FT

LUMINAIRE LUMENS PER WATT

CCT MULTIPLIERS STATIC WHITE

сст	270	оок	300	ок	350	ок		400	оок	500	оок
CRI	80	90	80	90	80	90	1	80	90	80	90
MULTIPLIER	0.93	0.79	0.96	0.82	0.97	0.85		1	0.89	1.01	0.89

CCT MULTIPLIERS DYNAMIC WHITE

ССТ	2700K	3000К	3500K	4000K	5000K	6000К
CRI MULTIPLIER	90	90 1.08	90 1.03	90	90 0.99	90 0.98

CCT MULTIPLIERS WARM DIM

сст	1800K	2250K	2700K
CRI	90	90	90
MULTIPLIER	0.02	0.17	1

POWER LEVEL MULTIPLIERS

POWER	VL	L	s	Н	VH
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAIMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45



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HS2 CS 8 TW2765 S F S F DMX SC SW 44 SW W 4

Notes

Туре

HASSIUM 2

OVERVIEW . SPECIFICATIONS . ORDERING

OPTIONS GUIDE

MOUNTING



CABLE SUSPENDED (CS)

This fixture can be a cable suspended down-light and uplight: Bi-Directional (CS), or can be special ordered as a cable suspended static down-light only: Direct Only (CSD). Aircraft cables come in 4ft and 8ft lengths and are field adjustable.



SURFACE MOUNT SIDE (SMS)

Surface Mount Side (SMS). The fixture is mounted on the wall using mounting brackets, giving a static bi-directional up-light and down-light.

CONTINUOUS RUN (CR)

Our single seam continuous run option offers smooth transitions from one section to the next. Our joiner bracket and alignment pin system offers easy to use, confident, single seam connections with a tight fit.



CONTINUOUS RUN SINGLE SEAM



FIXTURE WITH SINGLE SEAM CONTINUOUS RUN

CANOPIES



4" diameter power feed and 4" diameter non-power feed canopy.





4" diameter machined power feed canopy and no canopy on the non-power feed side. Minimal aesthetic. Requires a 1/4-20 stud securely attached to the ceiling.







4" diameter machined power feed and 1-1/4" diameter machined non-power feed canopy. Offers minimal ceiling treatment while maintaining the ability to cover mistakes. Requires a 1/4-20 stud securely fastened to the ceiling.



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HS2 CS 8 TW2765 S F S F DMX SC SW 44 SW W 4

Notes

Туре

HASSIUM 2

OVERVIEW • SPECIFICATIONS • ORDERING

OPTIONS GUIDE

COLOR AND FINISH

Standard luminaire housing finishes are Satin Clear anodized, Matte Black powder coat, and Satin White powder coat. Standard hardware (end caps, knuckles, cover plates, etc.) finishes are Machined Finish, Matte Black powder coat, & Satin White powder coat. Custom anodizing and powder coated finishes are available as well. If you have a particular color/finish treatment in mind, please contact the factory and we will do our best to accommodate your project needs.



SENSORS

Optional fixture integrated sensors and controls offer wireless control system compatibility directly from the factory. Lumium luminaries are now available with integrated control gear from 4 major partners.









NOTE: Information on this Spec Sheet is subject to change, please visit www. ecosenselighting.com for the most updated information.



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Catalog Number HS2 CS 2 TW2765 S G S F 1TW SC SW 44 SW W 4

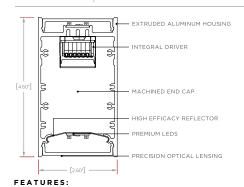
Note

Type

HASSIUM 2

OVERVIEW • SPECIFICATIONS • ORDERING

CABLE SUSPENDED CS



- PRECISION OPTICAL LENSING OPTIONS OR HIGH TRANSMISSION FROSTED LENSING
- 1% DIMMING DRIVERS STANDARD
- ADJUSTABLE AIRCRAFT CABLE SUSPENSION SYSTEM
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL
- BI-DIRECTIONAL FIXTURE



STATIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	2115	2323	4438	32	139	4000/80
L	2964	3256	6220	48	130	4000/80
S	3925	4311	8235	64	129	4000/80
Н	4722	5187	9909	80	124	4000/80
VH	5696	6256	11953	96	125	4000/80



\sim	NALII	TIDI	IEDC	STATIC	\A/LITE
-	PIOL	. I IPL	ILKS	SIAIIC	V V 🖂 I I I 🗀

	ССТ	270	ок	300	ок	350	ок	40	оок	500	оок
Ī	CRI	80	90	80	90	80	90	80	90	80	90
	MULTIPLIER	0.93	0.79	0.96	0.82	0.97	0.85	1	0.89	1.01	0.89



NOTE: ALL ITALICIZED OPTIONS MAY INCREASE LEAD TIME. PLEASE CONSULT FACTORY WITH QUESTIONS.

FIXTURE MODEL	MOUNTING	NOMINAL LENGTH (FT)	CCT/CRI	DIRECT DIRECT POWER BEAM LEVEL¹ DISTRIBUTION	INDIRECT INDIRECT POWER BEAM LEVEL' DISTRIBUTION'	DRIVER
HS2 Hassium 2	CS Cable Suspended CSD Cable Suspended Direct Only	2 3 4 5 6 7 8 CRI Continuous Run (Specify Length in Nominal Feet) 1. Power feed is always first section in a continuous run	827 830 835 840 850 927 930 935 940 950 <i>TW2765</i> <i>WD1827</i> <i>RGBW'</i> 1.Pair only w/power level(s) power level(s)	VL Very low G Graze L Low N Narrow S Standard Flood H High F Flood VH Very High W Wall Wash A Aisle	VL Very low B F Flood L Low B Batwing S Standard H High VH Very High 1.2ft & 3ft - must have same power output for up and down	1D EldoLED 1% OID EldoLED 0.1% LDE1 Lutron Ecosystem 1% LDE5 Lutron Ecosystem 5% 1DT (TW) 1DW (WD) DMX (RGBW)' DALI (INTL) 1. Driver must reside in remote housing

HOUSING FINISH	END CAPS FINISH	CANOPY SIZE	CANOPY FINSH	POWER CORD	CABLE LENGTH	OPTIONS
SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat	MF Machined Finish SW Satin White MB Matte Black	44 4" Power feed canopy 4" Non-power feed canopy 40 4" Power feed canopy Canopy only at power feed 4" Power feed canopy 1" Non-power feed canopy	MF Machine Finish SW Satin White MB Matte Black	W White G Gray B Black	4 4' 8 8'	EMB7 ^{1,3} 7 Watt battery back-up (Approximately 600 lumens) EMB12 ^{1,4} 12 Watt battery back-up (Approximately 1000 lumens) EMW ^{1,2} Emergency Circuit Wiri WSN nLight Sensor WSE WSE Englighted Sensor WSL Lutron Vive Sensor WSL Lutron Vive Sensor Dual Dual Circuit 1.ENB/ENW only liveled to fit section of continuous n 2.EMW not available for 2tt/3ft lengths 3.EMB2-7ft and up 4.EMB12-7ft and up 5.EMB not available for combined BFT length & VH po 5.EMB not available for combined BFT le

 $\ensuremath{\mathsf{NOTE}}\xspace$. All italicized options may increase lead time. Please consult factory with questions.

GENERAL

All fixtures are UL listed for dry and damp locations. INTEGRAL DRIVER for all options. Please contact the factory with any specification questions.

FIXTURE ORIENTATION

Bidirectional (CS) for downlight and uplight applications.



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Notes

Туре

HASSIUM 2

OVERVIEW . SPECIFICATIONS . ORDERING

OPTIONS GUIDE

BIDIRECTIONAL

STATIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	2115	2323	4438	32	139	4000/80
L	2964	3256	6220	48	130	4000/80
S	3925	4311	8235	64	129	4000/80
Н	4722	5187	9909	80	124	4000/80
VH	5696	6256	11953	96	125	4000/80

CCT MULTIPLIERS, STATIC WH

	-, -	
сст	80CRI	90CRI
2700K	0.93	0.79
3000K	0.96	0.82
3500K	0.97	0.85
4000K	1.00	9.89
5000K	1.01	0.89

DYNAMIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	ССТ
VL	1484	1630	3115	48	65	4000/90
L	2081	2285	4366	64	68	4000/90
S	2755	3025	5780	72	80	4000/90
Н	3314	3640	6955	88	79	4000/90
VH	3998	4391	8389	96	87	4000/90

CCT MULTIPLIERS, DYNAMIC WH

сст	90CRI
2700K	1.09
3000K	1.08
3500K	1.03
4000K	1200
5000K	0.99
6500K	0.98

WARM DIM | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	ССТ
VL	1558	1712	3270	48	68	2700/90
L	2184	2399	4584	64	72	2700/90
S	2892	3176	6068	72	84	2700/90
Н	3480	3822	7302	88	83	2700/90
VH	4197	4610	8808	96	92	2700/90

CCT MULTIPLIERS, WARM DIM

ССТ	90CRI
1800K	0.02
2250K	017
2700K	1.00

RGBW | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	CHANNEL (S)	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	сст
S	White	382	420	802	20	40	4000
S	All	883	970	1853	40	46	N/A

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3/7



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HASSIUM 2

OVERVIEW . SPECIFICATIONS . ORDERING

OPTIONS GUIDE

Туре

DIRECT

DIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

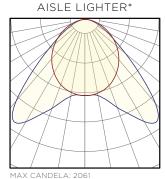
TYPE	CCT/CRI	ENERGY WATTS/ 4FT	FLOOD LM/4FT	FLOOD LPW	NARROW FLOOD LM/4FT	NARROW FLOOD LPW	AISLE LIGHTER LM/4FT	AISLE LIGHTER LPW	GRAZE LM/4FT	GRAZE LPW	WALL WASH LM/4FT	WALL WASH LPW
STATIC WHITE	4000K/80	S (32W)	3925	123	4475	140	4446	139	4752	149	4063	127
DYNAMIC WHITE	4000K/90	S (36W)	2755	77	3138	87	3103	86	3312	92	2824	78
WARM DIM	2700K/90	S (36W)	2892	80	3295	92	3258	91	3478	97	2965	82
RGBW	ALL CHANNELS UP	S (20W)	883	44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD*

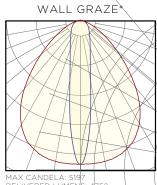
MAX CANDELA: 1336 DELIVERED LUMENS: 3925 WATTS: 32 LPW: 123

NARROW FLOOD*

MAX CANDELA: 3831 DELIVERED LUMENS: 4475

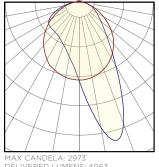


MAX CANDELA: 2061 DELIVERED LUMENS: 4446



DELIVERED LUMENS: 4752 WATTS: 32 LPW: 149

WALL WASH*



DELIVERED LUMENS: 4063 WATTS: 32 LPW: 127

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

CCT MULTIPLIERS STATIC WHITE

ССТ	2/0	ок	300	оок	350	ок	40	00K	5000K
CRI	80	90	80	90	80	90	80	90	80 90
MULTIPLIER	0.93	0.79	0.96	0.82	0.97	0.85		0.89	1.01 0.89

CCT MULTIPLIERS DYNAMIC WHITE

ССТ	2700K	3000К	3500K	4000K	5000K	6000K
CRI MULTIPLIER	90 1.09	90 1.08	90 1.03	90	90 0.99	ø0 0.98

CCT MULTIPLIERS WARM DIM

сст	1800K	2250K	2700К	
CRI MULTIPLIER	90 0.02	90 0.17	90	

POWER LEVEL MULTIPLIERS

POWER	VL	L	s	н	VH
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAIMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45

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HASSIUM 2

OVERVIEW . SPECIFICATIONS . ORDERING

OPTIONS GUIDE

Туре

INDIRECT

INDIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

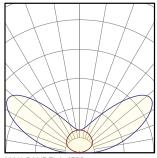
ТҮРЕ	CCT/CRI	ENERGY WATTS/4FT	FLOOD LM/4FT	FLOOD LPW	BATWING LM/4FT	BATWING LPW
STATIC WHITE	4000K/80	S (32W)	4311	135	3933	123
DYNAMIC WHITE	4000K/90	S (36W)	3025	84	2764	77
WARM DIM	2700K/90	S (36W)	3176	88	2902	81
RGBW	ALL CHANNELS UP	S (20W)	970	49	N/A	N/A

FLOOD*

MAX CANDELA: 1677 DELIVERED LUMENS: 4311 WATTS: 32 PW: 135

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

BATWING*



MAX CANDELA: 1722 DELIVERED LUMENS: 3933 WATTS: 32 LPW: 123

LUMINAIRE TOTAL LUMENS PER WATT

(DIRECT LUMENS/FT + INDIRECT LUMENS/FT) × FIXTURE TOTAL LINEAR FT

(DIRECT WATTS/FT + INDIRECT WATTS/FT) X FIXTURE TOTAL LINEAR FT

LUMINAIRE LUMENS

CCT MULTIPLIERS STATIC WHITE

ССТ		270	2700K		3000К		3500K		4000K		5000K	
	CRI IULTIPLIER											

CCT MULTIPLIERS DYNAMIC WHITE

сст	2700K	3000K	3500K	4000K	5000К	6000К
CRI	90	90	90	90	90	90
MULTIPLIER	1.09	1.08	1.03	1	0.99	0.98

CCT MULTIPLIERS WARM DIM

сст	1800K	2250K	2700K
CRI	90	90	90
MULTIPLIER	0.02	0.17	1

POWER LEVEL MULTIPLIERS

POWER	VL	L	s	Н	VH
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAIMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45



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5/7



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Notes

Type

HASSIUM 2

OVERVIEW . SPECIFICATIONS . ORDERING

OPTIONS GUIDE

MOUNTING



CABLE SUSPENDED (CS)

This fixture can be a cable suspended down-light and uplight: Bi-Directional (CS), or can be special ordered as a cable suspended static down-light only: Direct Only (CSD). Aircraft cables come in 4ft and 8ft lengths and are field adjustable.



SURFACE MOUNT SIDE (SMS)

Surface Mount Side (SMS). The fixture is mounted on the wall using mounting brackets, giving a static bi-directional up-light and down-light.

CONTINUOUS RUN (CR)

Our single seam continuous run option offers smooth transitions from one section to the next. Our joiner bracket and alignment pin system offers easy to use, confident, single seam connections with a tight fit.



CONTINUOUS RUN SINGLE SEAM



FIXTURE WITH SINGLE SEAM CONTINUOUS RUN

CANOPIES



4" diameter power feed and 4" diameter non-power feed canopy.





4" diameter machined power feed canopy and no canopy on the non-power feed side. Minimal aesthetic. Requires a 1/4-20 stud securely attached to the ceiling.





4" diameter machined power feed and 1-1/4" diameter machined non-power feed canopy. Offers minimal ceiling treatment while maintaining the ability to cover mistakes. Requires a 1/4-20 stud securely fastened to the ceiling.



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Туре

Notes

HASSIUM 2

OVERVIEW . SPECIFICATIONS . ORDERING **OPTIONS GUIDE**

COLOR AND FINISH

Standard luminaire housing finishes are Satin Clear anodized, Matte Black powder coat, and Satin White powder coat. Standard hardware (end caps, knuckles, cover plates, etc.) finishes are Machined Finish, Matte Black powder coat, & Satin White powder coat. Custom anodizing and powder coated finishes are available as well. If you have a particular color/finish treatment in mind, please contact the factory and we will do our best to accommodate your project needs.



SENSORS

Optional fixture integrated sensors and controls offer wireless control system compatibility directly from the factory. Lumium luminaries are now available with integrated control gear from 4 major partners.









NOTE: Information on this Spec Sheet is subject to change, please visit www.ecosenselighting.com for the most updated information.



Tunable White | Color Tuning

Catalog Number O3.1 CS 8 TW2765 S F S F DMX SC SW 44 SW W 4

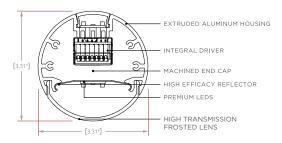
Notes

Туре

OXYGEN 3.1

OVERVIEW . SPECIFICATIONS . ORDERING

CABLE SUSPENDED CS



FEATURES:

- HIGH TRANSMISSION FROSTED LENSES
- 1% DIMMING DRIVERS STANDARD
- ADJUSTABLE AIRCRAFT CABLE SUSPENSION SYSTEM
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL
- 360 DEGREE ROTATION OPTION WITH MECHANICAL LOCKING
- BI-DIRECTIONAL FIXTURE

PERFORMANCE

STATIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	2055	1982	4037	32	126	4000/80
L	2881	2778	5659	48	118	4000/80
s	3814	3678	7492	64	117	4000/80
Н	4589	4425	9014	80	113	4000/80
VH	5535	5338	10873	96	113	4000/80



CCT MULTIPLIERS STATIC WH

	сст	270	ок	300	ок	350	ок	40	00К	50	оок
Ī	CRI	80	90	80	90	80	90	80	90	80	90
	MULTIPLIER	0.93	0.79	0.96	0.82	0.97	0.85	1	0.89	1.01	0.89



NOTE: ALL ITALICIZED OPTIONS MAY INCREASE LEAD TIME. PLEASE CONTACT FACTORY WITH QUESTIONS.

FIXTURE MODEL	MOUNTING	NOMINAL LENGTH (FT)	CCT/CRI	DIRECT DIRECT POWER BEAM LEVEL' DISTRIBUTION	INDIRECT POWER LEVEL ¹	INDIRECT BEAM DISTRIBUTION	DRIVER
O3.1 Oxygen 3.1	CS Cable Suspended - CSR Cable Suspended Rotational CSD Cable Suspended Direct Only	2 3 4 5 6 7 8 CR ^{1,2} Continuous Run (Specify Length in Nominal Feet)	827 830 835 840 850 927 930 935 940 950 TWZ765	VL Very low F Flood L Low S Standard H High VH Very High	VL Very low L Low S Standard H High VH Very High	F Flood B Batwing	1D EldoLED 1% OID EldoLED 0.1% LDE1 Lutron Ecosystem LDE5 Lutron Ecosystem 1DT (TW) 1DW (WD) DMX (RGBW)' DALI (INTL)
		Power feed is always first section of a continuous run Rotational mounting w/CR will have a power feed for every section	WD1827 RGBW ¹ 1. Pair only w/ power level(s) = S. beams = F	1. 2ft & 3ft - must have same power output for up and down	1. 2ft & 3ft - must have same power output for up and down		Driver must reside in remote hous

HOUSING FINISH	END CAPS FINISH ¹	CANOPY SIZE	CANOPY FINSH	POWER CORD	CABLE LENGTH	OPTIONS
SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat	MF Machined Finish SW Satin White MB Matte Black 1.CSR rotational hardware finish matches end cap finish.	44 4" Power feed canopy 4" Non-power feed canopy 40 4" Power feed canopy Canopy only at power feed 41 4" Power feed canopy I" Non-power feed canopy	MF Machine Finish SW Satin White MB Matte Black	W White G Gray B Black	4 4' 8 8'	EMB7 ^{1,3,5} 7 Watt battery back-up (Approximately 600 lumens) EMB12 ^{1,4,5} 12 Watt battery back-up (Approximately 1000 lumens) EMW12 Emergency Circuit Wir WSN MSN nLight sensor WSE WSE Englighted Sensor WSW WSW Wavelinx Sensor WSL WSL Lutron Vive Senso DUAL Dual Circuit

NOTE: All italicized options may increase lead time. Please consult factory with questions.

GENERAL

All fixtures are UL listed for dry and damp locations. INTEGRAL DRIVER for all options. Please contact the factory with any specification questions

FIXTURE ORIENTATION

Bidirectional (CS) for downlight and uplight applications. Rotational (CSR) for adjustable applications: 360 degree rotational capacity with locking mechanism.



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Notes

OXYGEN 3.1

OVERVIEW . SPECIFICATIONS . ORDERING

PHOTOMETRIC DATA

Туре

BIDIRECTIONAL

STATIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	2055	1982	4037	32	126	4000/80
L	2881	2778	5659	48	118	4000/80
S	3814	3678	7492	64	117	4000/80
Н	4589	4425	9014	80	113	4000/80
VH	5535	5338	10873	96	113	4000/80

CCT MULTIPLIERS, STATIC WH

ССТ	80CRI	90CRI
2700K	0.93	0.79
3000K	0.96	0.82
3500K	0.97	0.85
4000K	1.00	0.89
5000K	1.01	0.89

DYNAMIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	сст
VL	1442	1391	2833	48	59	4000/90
L	2022	1950	3972	64	62	4000/90
S	2677	2581	5258	72	73	4000/90
Н	3221	3106	6327	88	72	4000/90
VH	3885	3746	7631	96	79	4000/90

CCT MULTIPLIERS, DYNAMIC WH

сст	90CRI
2700K	1.09
3000K	1.08
3500K	1.03
4000K	1:00
5000K	0.99
6500K	0.98

WARM DIM | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	ССТ
VL	1514	1460	2975	48	62	2700/90
L	2123	2047	4170	64	65	2700/90
S	2810	2710	5520	72	77	2700/90
Н	3381	3261	6642	88	75	2700/90
VH	4079	3933	8012	96	83	2700/90

CCT MULTIPLIERS, WARM DIM

сст	90CRI
1800K	0.02
2250K	0.17
2700K	1.00

RGBW | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	CHANNEL (S)	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	сст
S	White	371	358.1	730	20	36	4000
S	All	858	827.7	1686	40	42	N/A

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Notes

Туре

OXYGEN 3.1

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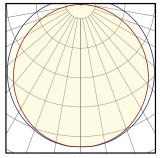
PHOTOMETRIC DATA

DIRECT

DIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

TYPE	CCT/CRI	ENERGY WATTS/ 4FT	FLOOD LM/4FT	FLOOD LPW
STATIC WHITE	4000K/80	S (32W)	3814	119
DYNAMIC WHITE	4000K/90	S (36W)	2677	74
WARM DIM	2700K/90	S (36W)	2810	78
RGBW	ALL CHANNELS UP	S (20W)	858	43

FLOOD*



MAX CANDELA: 1093 DELIVERED LUMENS: 3814 WATTS: 32 LPW: 119

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

CCT MULTIPLIERS STATIC WHITE

C	ст	270	ок	300	ок	350	ок	400	оок	50	оок
MUL	CRI TIPLIER	80 0.93	90 0.79	80 0.96	90 0.82	80 0.97	90 0.85	80	90 0.89	80	90

CCT MULTIPLIERS DYNAMIC WHITE

сст	2700K	3000К	3500K	4000K	5000K 6000K	4
CRI MULTIPLIER	90 1.09	90 1.08	90 1.03	90	90 90 0.98	_

CCT MULTIPLIERS WARM DIM

сст	1800K	2250K	2700K
CRI	90	90	90
MULTIPLIER	0.02	0.17	

POWER LEVEL MULTIPLIERS

POWER	VL	L	s	н	VH	
STATIC WHITE	0.53	0.75	1	1.2	1.45	
DYNAIMIC WHITE	0.53	0.75	1	1.2	1.49	
WARM DIM	0.53	0.75	1	1.2	1.45	



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Notes

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OVERVIEW . SPECIFICATIONS . ORDERING

PHOTOMETRIC DATA

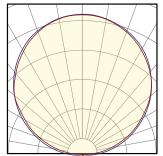
Туре

INDIRECT

INDIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

ТҮРЕ	CCT/CRI	ENERGY WATTS/4FT	FLOOD LM/4FT	FLOOD LPW	BATWING LM/4FT	BATWING LPW
STATIC WHITE	4000K/80	S (32W)	3678	115	3451	108
DYNAMIC WHITE	4000K/90	S (36W)	2581	72	2443	68
WARM DIM	2700K/90	S (36W)	2710	75	2565	71
RGBW	ALL CHANNELS UP	S (20W)	828	41	N/A	N/A

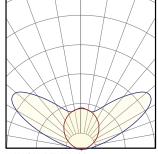
FLOOD*



MAX CANDELA: 1171 DELIVERED LUMENS: 3678 WATTS: 32 LPW: 115

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

BATWING*



MAX CANDELA: 1406 DELIVERED LUMENS: 3451

LUMINAIRE TOTAL LUMENS PER WATT

(DIRECT LUMENS/FT + INDIRECT LUMENS/FT) X FIXTURE TOTAL LINEAR FT

(DIRECT WATTS/FT + INDIRECT WATTS/FT)

x FIXTURE TOTAL LINEAR FT

LUMINAIRE LUMENS PER WATT

CCT MULTIPLIERS STATIC WHITE

сст	270	оок	300	оок	350	оок	40	оок	50	оок
CRI MULTIPLIER	80	90	80	90	80	90	80	90	80	90
MULTIPLIER	0.93	0.79	0.96	0.82	0.97	0.85	1	0.89	1.01	0.89

CCT MULTIPLIERS DYNAMIC WHITE

ССТ	2700K	3000K	3500K	4000K	5000K	6000K
CRI	90	90	90	90	90	90

CCT MULTIPLIERS WARM DIM

сст	1800K	2250K	2700K
CRI	90	90	90
MULTIPLIER	0.02	0.17	1

POWER LEVEL MULTIPLIERS

POWER	VL	L	s	н	VH
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAIMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45



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Notes

Туре

OXYGEN 3.1

OVERVIEW . SPECIFICATIONS . ORDERING

OPTIONS GUIDE

MOUNTING



CABLE SUSPENDED (CS)

This fixture can be a can be a cable suspended down-light and up-light: Bi-Directional (CS), or can be special ordered as a cable suspended static down-light only: Direct Only (CSD). Aircraft cables come in 4ft and 8ft lengths and are field adjustable.



SURFACE MOUNT SIDE (SMS)

Surface Mount Side (SMS). The fixture is mounted on the wall using mounting brackets, giving a static bi-directional up-light and down-light.



CABLE SUSPENDED - ROTATIONAL (CSR)

Using a similar setup to the Cable Suspended system above, the Cable Suspended - Rotational system has 360 degree rotational capacity with mechanical fasteners to lock fixtures in place if desired. This system offers incredible flexibility, light direction control, and a dynamic aesthetic.



ROTATIONAL ARM MOUNT (RAM)

This system uses 3/4" diameter aluminum arms and subtle details in combination with a 360 degree rotational capacity to create some of the most versatile linear fixtures in the architectural market. Standard mounting uses 3/0 mud rings (supplied by others). Engineered with no visible fasteners, smooth rotation, and mechanical locking, the RAM system reveals an impressive aesthetic with exceptional versatility.

CONTINUOUS RUN (CR)

This fixture has two continuous run connection options. Our single seam continuous run option offers smooth transitions from one section to the next. The joiner bracket and alignment pin system in this option, offers easy to use, confident, single seam connections with a tight fit.

Alternatively, our 360 degree rotational option enables individual sections to rotate independently of each other, which offers adjustable asymmetric light distribution capacity along with striking appearances such as alternating up/down fixtures or spiral transitions. The flexibility within the rotational option makes for infinite design and functional possibilities.



CONTINUOUS RUN ROTATIONAL



CONTINUOUS RUN ROTATIONAL (SPIRAL EFFECT)



CONTINUOUS RUN SINGLE SEAM



FIXTURE WITH SINGLE SEAM CONTINUOUS RUN



FIXTURE WITH CONTINUOUS RUN ROTATIONAL

CANOPIES

SATIN WHITE (SW)

MATTE BLACK

MACHINE FINISH (MF)







4" diameter power feed and 4" diameter non-power feed canopy.





4" diameter machined power feed canopy and no canopy on the non-power feed side. Minimal aesthetic. Requires a 1/4-20 stud securely attached to the ceiling.





4" diameter machined power feed and 1-1/4" diameter machined non-power feed canopy. Offers minimal ceiling treatment while maintaining the ability to cover mistakes. Requires a 1/4-20 stud securely fastened to the ceiling.



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Notes

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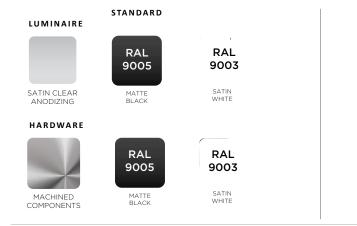
OXYGEN 3.1

OVERVIEW • SPECIFICATIONS • ORDERING

OPTIONS GUIDE

COLOR AND FINISH

Standard luminaire housing finishes are Satin Clear anodized, Matte Black powder coat, and Satin White powder coat. Standard hardware (end caps, knuckles, cover plates, etc.) finishes are Machined Finish, Matte Black powder coat, & Satin White powder coat. Custom anodizing and powder coated finishes are available as well. If you have a particular color/finish treatment in mind, please contact the factory and we will do our best to accommodate your project needs.





SENSORS

Optional fixture integrated sensors and controls offer wireless control system compatibility directly from the factory. Lumium luminaries are now available with integrated control gear from 4 major partners.









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Tunable White | Color Tuning

Catalog Number

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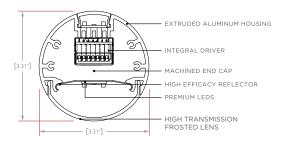
Notes

Туре

OXYGEN 3.1

OVERVIEW . SPECIFICATIONS . ORDERING

CABLE SUSPENDED CS



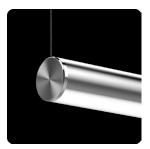
FEATURES:

- HIGH TRANSMISSION FROSTED LENSES
- 1% DIMMING DRIVERS STANDARD
- ADJUSTABLE AIRCRAFT CABLE SUSPENSION SYSTEM
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL
- 360 DEGREE ROTATION OPTION WITH MECHANICAL LOCKING
- BI-DIRECTIONAL FIXTURE

PERFORMANCE

STATIC WHITE I FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	2055	1982	4037	32	126	4000/80
L	2881	2778	5659	48	118	4000/80
S	3814	3678	7492	64	117	4000/80
Н	4589	4425	9014	80	113	4000/80
VH	5535	5338	10873	96	113	4000/80



CCT MUL	TIPLIERS	STATIC	WHITE

сст	270	ок	300	ок	350	ок	40	оок	50	00К
CRI	80	90	80	90	80	90	80	90	80	90
MULTIPLIER	0.93	0.79	0.96	0.82	0.97	0.85	1	0.89	1.01	0.89



NOTE: ALL ITALICIZED OPTIONS MAY INCREASE LEAD TIME. PLEASE CONTACT FACTORY WITH QUESTIONS.

FIXTURE MODEL	MOUNTING	NOMINAL LENGTH (FT)	CCT/CRI	DIRECT DIRECT POWER BEAM LEVEL ¹ DISTRIBUTION	INDIRECT POWER LEVEL ¹	INDIRECT BEAM DISTRIBUTION	DRIVER
O3.1 Oxygen 3.1	CS Cable Suspended - CSR Cable Suspended Rotational CSD Cable Suspended Direct Only	2 3 4 5 6 7 8 CR ¹² Continuous Run (Specify Length in Nominal Feet)	827 830 835 840 850 927 930 935 940 950 <i>TW2765</i> <i>WD1827</i>	VL Very low F Flood L Low S Standard H High VH Very High	VL Very low L Low S Standard H High VH Very High	F Flood B Batwing	1D EldoLED 1% 01D EldoLED 0.1% LDE1 Lutron Ecosystem 15 LDE5 Lutron Ecosystem 5 1DT (TW) 1DW (WD) DMX (RGBW)' DALI (INTL) 1. Driver must reside in remote housin
		of a continuous run 2. Rotational mounting w/CR will have a power feed for every section	1. Pair only w/ power level(s) = S, beams = F	1. 2ft & 3ft - must have same power output for up and down	1. 2ft & 3ft - must have same power output for up and down		

HOUSING FINISH	END CAPS FINISH ¹	CANOPY SIZE	CANOPY FINSH	POWER CORD	CABLE LENGTH	OPTIONS
SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat	MF Machined Finish SW Satin White MB Matte Black 1.CSR rotational hardware finish matches end cap finish.	44 4" Power feed canopy 4" Non-power feed canopy 40 4" Power feed canopy Canopy only at power feed 41 4" Power feed canopy I" Non-power feed canopy	MF Machine Finish SW Satin White MB Matte Black	W White G Gray B Black	4 4' 8 8'	EMB7 ^{1,3,5} 7 Watt battery back-up (Approximately 600 lumens) EMB12 ^{1,4,5} 12 Watt battery back-up (Approximately 1000 lumens) EMW12 Emergency Circuit Wir WSN MSN nLight sensor WSE WSE Englighted Sensor WSW WSW Wavelinx Sensor WSL WSL Lutron Vive Senso DUAL Dual Circuit

NOTE: All italicized options may increase lead time. Please consult factory with questions.

GENERAL

All fixtures are UL listed for dry and damp locations. INTEGRAL DRIVER for all options. Please contact the factory with any specification questions

FIXTURE ORIENTATION

Bidirectional (CS) for downlight and uplight applications. Rotational (CSR) for adjustable applications: 360 degree rotational capacity with locking mechanism.



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Notes

OXYGEN 3.1

OVERVIEW • SPECIFICATIONS • ORDERING

PHOTOMETRIC DATA

Туре

BIDIRECTIONAL

STATIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	2055	1982	4037	32	126	4000/80
L	2881	2778	5659	48	118	4000/80
S	3814	3678	7492	64	117	4000/80
Н	4589	4425	9014	80	113	4000/80
VH	5535	5338	10873	96	113	4000/80

CCT MULTIPLIERS, STATIC WH

сст	80CRI	90CRI
2700K	0.93	0.79
3000K	0.96	0.82
3500K	0.97	0.85
4000K	1.00	0.89
5000K	1.01	0.89

DYNAMIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	сст
VL	1442	1391	2833	48	59	4000/90
L	2022	1950	3972	64	62	4000/90
S	2677	2581	5258	72	73	4000/90
Н	3221	3106	6327	88	72	4000/90
VH	3885	3746	7631	96	79	4000/90

CCT MULTIPLIERS, DYNAMIC WH

сст	90CRI
2700K	1.09
3000K	1.08
3500K	1.03
4000K	1:00
5000K	0.99
6500K	0.98

WARM DIM | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	ССТ
VL	1514	1460	2975	48	62	2700/90
L	2123	2047	4170	64	65	2700/90
S	2810	2710	5520	72	77	2700/90
Н	3381	3261	6642	88	75	2700/90
VH	4079	3933	8012	96	83	2700/90

CCT MULTIPLIERS, WARM DIM

сст	90CRI
1800K	0.02
2250K	0.17
2700K	1.00

RGBW | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	CHANNEL (S)	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	сст
S	White	371	358.1	730	20	36	4000
S	All	858	827.7	1686	40	42	N/A

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Notes

Туре

OXYGEN 3.1

OVERVIEW • SPECIFICATIONS • ORDERING

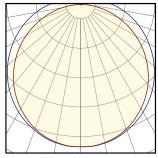
PHOTOMETRIC DATA

DIRECT

DIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

ТҮРЕ	CCT/CRI	ENERGY WATTS/ 4FT	FLOOD LM/4FT	FLOOD LPW
STATIC WHITE	4000K/80	S (32W)	3814	119
DYNAMIC WHITE	4000K/90	S (36W)	2677	74
WARM DIM	2700K/90	S (36W)	2810	78
RGBW	ALL CHANNELS UP	S (20W)	858	43

FLOOD*



MAX CANDELA: 1093 DELIVERED LUMENS: 3814 WATTS: 32 LPW: 119

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

CCT MULTIPLIERS STATIC WHITE

ССТ		27	оок	300	оок	350	ок	40	оок	50	ооок
CRI MULTIPLIER	₹	80 0.93	90 0.79	80 0.96	90 0.82	80 0.97	90 0.85	80	90 0.89	80	90

CCT MULTIPLIERS DYNAMIC WHITE

сст	2700K	3000К	3500K	4000K	5000K	6000K
CRI MULTIPLIER	90 1.09	90 1.08	90 1.03	90	90	90

CCT MULTIPLIERS WARM DIM

сст	1800K	2250K	2700K
CRI	90	90	90
MULTIPLIER	0.02	0.17	

POWER LEVEL MULTIPLIERS

POWER	VL	L	s	н	VH
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAIMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45



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Notes

OXYGEN 3.1

OVERVIEW . SPECIFICATIONS . ORDERING

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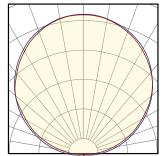
Туре

INDIRECT

INDIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

ТҮРЕ	CCT/CRI	ENERGY WATTS/4FT	FLOOD LM/4FT	FLOOD LPW	BATWING LM/4FT	BATWING LPW
STATIC WHITE	4000K/80	S (32W)	3678	115	3451	108
DYNAMIC WHITE	4000K/90	S (36W)	2581	72	2443	68
WARM DIM	2700K/90	S (36W)	2710	75	2565	71
RGBW	ALL CHANNELS UP	S (20W)	828	41	N/A	N/A

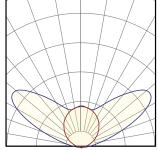
FLOOD*



MAX CANDELA: 1171 DELIVERED LUMENS: 3678 WATTS: 32 LPW: 115

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

BATWING*



MAX CANDELA: 1406 DELIVERED LUMENS: 3451 WATTS: 32

LUMINAIRE TOTAL LUMENS PER WATT

(DIRECT LUMENS/FT + INDIRECT LUMENS/FT) x FIXTURE TOTAL LINEAR FT

(DIRECT WATTS/FT + INDIRECT WATTS/FT)
x FIXTURE TOTAL LINEAR FT

TOTAL LUMINAIRE LUMENS PER WATT

CCT MULTIPLIERS STATIC WHITE

сст	270	оок	30	оок	350	оок	40	оок	50	оок
CRI MULTIPLIER										

CCT MULTIPLIERS DYNAMIC WHITE

ССТ	2700K	3000K	3500K	4000K	5000K	6000K
CRI MULTIPLIER	90	90 1.08	90	90	90	90

CCT MULTIPLIERS WARM DIM

сст	1800K	2250K	2700K
CRI	90	90	90
MULTIPLIER	0.02	0.17	1

POWER LEVEL MULTIPLIERS

POWER	VL	L	s	н	VH
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAIMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45



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Notes

OXYGEN 3.1

OVERVIEW . SPECIFICATIONS . ORDERING

OPTIONS GUIDE

Туре

MOUNTING



CABLE SUSPENDED (CS)

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Surface Mount Side (SMS). The fixture is mounted on the wall using mounting brackets, giving a static bi-directional up-light and down-light.



CABLE SUSPENDED - ROTATIONAL (CSR)

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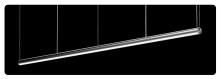
CONTINUOUS RUN ROTATIONAL



CONTINUOUS RUN ROTATIONAL (SPIRAL EFFECT)



CONTINUOUS RUN SINGLE SEAM



FIXTURE WITH SINGLE SEAM CONTINUOUS RUN



FIXTURE WITH CONTINUOUS RUN ROTATIONAL

CANOPIES

SATIN WHITE (SW)

MATTE BLACK

MACHINE FINISH (MF)







4" diameter power feed and 4" diameter non-power feed canopy.





4" diameter machined power feed canopy and no canopy on the non-power feed side. Minimal aesthetic. Requires a 1/4-20 stud securely attached to the ceiling.



40



4" diameter machined power feed and 1-1/4" diameter machined non-power feed canopy. Offers minimal ceiling treatment while maintaining the ability to cover mistakes. Requires a 1/4-20 stud securely fastened to the ceiling.



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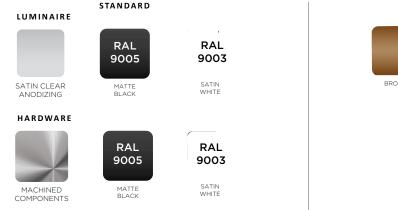
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OXYGEN 3.1

OVERVIEW • SPECIFICATIONS • ORDERING
OPTIONS GUIDE

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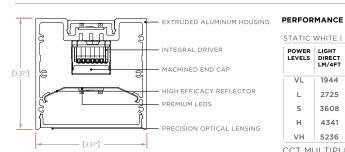
Notes

Туре

NEODYMIUM 3

OVERVIEW . SPECIFICATIONS . ORDERING

CABLE SUSPENDED CS



FEATURES:

- PRECISION OPTICAL LENSING OPTIONS OR HIGH TRANSMISSION FROSTED LENSING
- 1% DIMMING DRIVERS STANDARD
- ADJUSTABLE AIRCRAFT CABLE SUSPENSION SYSTEM
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL
- 360 DEGREE ROTATION OPTION WITH MECHANICAL LOCKING
- BI-DIRECTIONAL FIXTURE



STATIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	1944	2234	4178	32	131	4000/80
L	2725	3132	5857	48	122	4000/80
S	3608	4147	7754	64	121	4000/80
Н	4341	4989	9330	80	117	4000/80
VH	5236	6018	11254	96	117	4000/80



CCT	MIII	TIPI	IFRS	STATIC	W/HITE

ССТ 2700К		3000К		350	3500K		4000K		оок	
CRI	80	90	80	90	80	90	80	90	80	90
MULTIPLIER	0.93	0.79	0.96	0.82	0.97	0.85	1	0.89	1.01	0.89



NOTE: ALL ITALICIZED OPTIONS MAY INCREASE LEAD TIMES. PLEASE CONSULT FACTORY WITH QUESTIONS.

FIXTURE MODEL	MOUNTING	NOMINAL LENGTH (FT)	CCT/CRI	DIRECT DIRECT POWER BEAM LEVEL¹ DISTRIBUTION	INDIRECT INDIRECT POWER BEAM LEVEL' DISTRIBUTION'	DRIVER
ND3 Neodymium 3	CS Cable Suspended CSR Cable Suspended Rotational CSD Cable Suspended Direct Only	2 3 4 5 6 7 8 CR\(^{12}\) Continuous Run (Specify Length in Nominal Feet) 1-Power Feed is always at the first section in a continuous run 2-Rottofrian Burntfing w/CR will have a power feed for every section	827 830 835 840 850 927 930 935 940 950 <i>TW2765</i> <i>WD1827</i> <i>RGBW'</i> 1.Pair only w/power level(s) power level(s)	VL Very low L Low N Narrow S Standard Flood H High F Flood W Wall Wash A Aisle	VL Very low B F Flood L Low B Batwing S Standard H High VH Very High 1.2ft & 3ft - must have same power output for up and down	ID EldoLED 1% OID EldoLED 0.1% LDEI Lutron Ecosystem 1 LDES Lutron Ecosystem 3 IDT (TW) IDW (WD) DMX (RGBW)' DALI (INTL) 1 Driver must reside in remote house

NOTE: All italicized options may increase lead times. Please consult factory with questions.

GENERAL

All fixtures are UL listed for dry and damp locations. INTEGRAL DRIVER for all options. Please contact the factory with any specification questions.

FIXTURE ORIENTATION

Bidirectional (CS) for downlight and uplight applications. Rotational (CSR) for adjustable applications: 360 degree rotational capacity with locking mechanism



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NEODYMIUM 3

OVERVIEW . SPECIFICATIONS . ORDERING

PHOTOMETRIC DATA

Туре

BIDIRECTIONAL

STATIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	RECT INDIRECT LIGHT WATTS/4F		ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI	
VL	1944	2234	4178	32	131	4000/80	
L	2725	3132	5857	48	122	4000/80	
S	3608	4147	7754	64	121	4000/80	
Н	4341	4989	9330	80	117	4000/80	
VH	5236	6018	11254	96	117	4000/80	

CCT MULTIPLIERS, STATIC WH

сст	80CRI	90CRI								
2700K	0.93	0.79								
3000K	0.96	0.82								
3500K	0.97	0.85								
4000K	1.00	9.89								
5000K	1.01	0.89								

DYNAMIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	IRECT INDIRECT LIGHT WATTS/4FT		ENERGY WATTS/4FT	EFFICACY LPW	сст
VL	1364	1568	2933	48	61	4000/90
L	1913	2198	4111	64	64	4000/90
S	2532	2910	5442	72	76	4000/90
Н	3047	3502	6548	88	74	4000/90
VH	3675	4224	7899	96	82	4000/90

CCT MULTIPLIERS, DYNAMIC WH

ССТ	90CRI
2700K	1.09
3000K	1.08
3500K	1.03
4000K	100
5000K	0.99
6500K	0.98

WARM DIM | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	IT WATTS/4FT LPW		ССТ
VL	1432	1646	3079	48	64	2700/90
L	2008	2308	4316	64	67	2700/90
S	2658	3055	5714	72	79	2700/90
Н	3199	3676	6875	88	78	2700/90
VH	3858	4435	8293	96	86	2700/90

CCT MULTIPLIERS, WARM DIM

	90CRI	сст
\top		
+	0.02	1800K
\nearrow	0.17	2250K
	1.00	2700K
\times		
/ /	/`	

RGBW | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	CHANNEL (S)	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	сст
S	White	351.3	404	755	20	38	4000
S	All	811.9	933	1745	40	44	N/A

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Туре

NEODYMIUM 3

OVERVIEW . SPECIFICATIONS . ORDERING

PHOTOMETRIC DATA

DIRECT

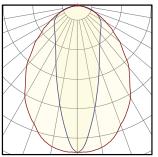
DIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

TYPE	CCT/CRI	ENERGY WATTS/ 4FT	FLOOD LM/4FT	FLOOD LPW	NARROW FLOOD LM/4FT	NARROW FLOOD LPW	AISLE LIGHTER LM/4FT	AISLE LIGHTER LPW	GRAZE LM/4FT	GRAZE LPW	WALL WASH LM/4FT	WALL WASH LPW
STATIC WHITE	4000K/80	S (32W)	3608	113	4049	127	4203	131	4393	137	3958	124
DYNAMIC WHITE	4000K/90	S (36W)	2532	70	2865	80	2965	82	3098	86	2799	78
WARM DIM	2700K/90	S (36W)	2658	74	3008	84	3113	86	3253	90	2938	82
RGBW	ALL CHANNELS UP	S (20W)	812	41	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD*

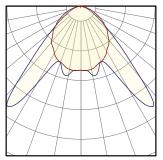
MAX CANDELA: 1251 DELIVERED LUMENS: 3608

NARROW FLOOD*



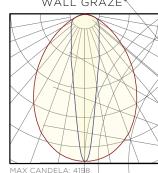
MAX CANDELA: 2861 DELIVERED LUMENS: 4049 WATTS: 32

AISLE LIGHTER*



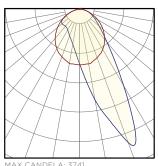
MAX CANDELA: 2472 DELIVERED LUMENS: 4203 WATTS: 32

WALL GRAZE*



MAX CANDELA: 4198 DELIVERED LUMENS: WATTS: 32 LPW: 137

WALL WASH*



MAX CANDELA: 3741 DELIVERED LUMENS: 3958 WATTS: 32 LPW: 124

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

CCT MULTIPLIERS STATIC WHITE

ССТ		2700K		3000K	:	3500K	4	1000K	50	OOK
CRI MULTIPLIER	0.9	90 3 0.79	0.9		0.9		80 1	90 0.89	1.01	90

CCT MULTIPLIERS DYNAMIC WHITE

сст	2700K	3000К	3500K	4000K	5000К	6000K
CRI	90	90	90	90	90	80
MULTIPLIER	1.09	1.08	1.03	1	0.99	0.98

CCT MULTIPLIERS WARM DIM

сст	1800K	2250K	2700K
CRI	90	90	90
MULTIPLIER	0.02	0.17	1

POWER LEVEL MULTIPLIERS

POWER	VL	L	s	н	VH
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAIMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45



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Notes

NEODYMIUM 3

OVERVIEW . SPECIFICATIONS . ORDERING

PHOTOMETRIC DATA

Туре

INDIRECT

INDIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

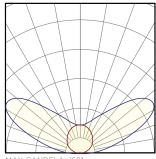
TYPE	CCT/CRI	ENERGY WATTS/4FT	FLOOD LM/4FT	FLOOD LPW	BATWING LM/4FT	BATWING LPW
STATIC WHITE	4000K/80	S (32W)	4147	130	4105	128
DYNAMIC WHITE	4000K/90	S (36W)	2910	81	2874	80
WARM DIM	2700K/90	S (36W)	3055	85	3018	84
RGBW	ALL CHANNELS UP	S (20W)	933	47	N/A	N/A

FLOOD*

MAX CANDELA: 1639 DELIVERED LUMENS: 4147 WATTS: 32

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

BATWING*



MAX CANDELA: 1681 DELIVERED LUMENS: 4105

LUMINAIRE TOTAL LUMENS PER WATT

(DIRECT LUMENS/FT + INDIRECT LUMENS/FT) X FIXTURE TOTAL LINEAR FT

(DIRECT WATTS/FT + INDIRECT WATTS/FT)
x FIXTURE TOTAL LINEAR FT

LUMINAIRE LUMENS PER WATT

CCT MULTIPLIERS STATIC WHITE

cc-	r	2700K	:	8000К		3500K	.	4000K	5	000К
CRI	80 SIER 0.9	90	80	90	80	90 7 0.85	80	90	80	90 0.89

CCT MULTIPLIERS DYNAMIC WHITE

ССТ	2700K	3000K	3500K	4000K	5000K	6000K
CRI	90	90	90	90	90	90
MULTIPLIER	1.09	1.08	1.03		0.99	0.98

CCT MULTIPLIERS WARM DIM

	сст	1800K	2250K	2700K
ĺ	CRI	90	90	90
	MULTIPLIER	0.02	0.17	1

POWER LEVEL MULTIPLIERS

POWER	VL	L	s	н	VH
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAIMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45



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ND3 CS 8 TW2765 S F S F DMX SC SW 44 SW W 4

Notes

Туре

NEODYMIUM 3

OVERVIEW . SPECIFICATIONS . ORDERING

OPTIONS GUIDE

MOUNTING



CABLE SUSPENDED (CS)

This fixture can be a can be a cable suspended down-light and up-light: Bi-Directional (CS), or can be special ordered as a cable suspended static down-light only: Direct Only (CSD). Aircraft cables come in 4ft and 8ft lengths and are field adjustable.



SURFACE MOUNT SIDE (SMS)

Surface Mount Side (SMS). The fixture is mounted on the wall using mounting brackets, giving a static bi-directional up-light and down-light.



CABLE SUSPENDED - ROTATIONAL (CSR)

Using a similar setup to the Cable Suspended system above, the Cable Suspended - Rotational system has 360 degree rotational capacity with mechanical fasteners to lock fixtures in place if desired. This system offers incredible flexibility, light direction control, and a dynamic aesthetic.



ROTATIONAL ARM MOUNT (RAM)

This system uses 5/8" diameter aluminum arms and subtle details in combination with a 360 degree rotational capacity to create some of the most versatile linear fixtures in the architectural market. Standard mounting uses 3/O mud rings (supplied by others). Engineered with no visible fasteners, smooth rotation, and mechanical locking, the RAM system reveals an impressive aesthetic with exceptional versatility.

CONTINUOUS RUN (CR)

This fixture has two continuous run connection options. Our single seam continuous run option offers smooth transitions from one section to the next. The joiner bracket and alignment pin system in this option, offers easy to use, confident, single seam connections with a tight fit.

Alternatively, our 360 degree rotational option enables individual sections to rotate independently of each other, which offers $adjustable\ a symmetric\ light\ distribution\ capacity\ along\ with\ striking\ appearances\ such\ as\ alternating\ up/down\ fixtures\ or\ spiral$ transitions. The flexibility within the rotational option makes for infinite design and functional possibilities



CONTINUOUS RUN ROTATIONAL



CONTINUOUS RUN ROTATIONAL (SPIRAL EFFECT)



CONTINUOUS RUN SINGLE SEAM



FIXTURE WITH SINGLE SEAM CONTINUOUS RUN



FIXTURE WITH CONTINUOUS RUN ROTATIONAL

CANOPIES

SATIN WHITE (SW)

MATTE BLACK

MACHINE FINISH (ME)





4" diameter power feed and 4" diameter non-power feed canopy.





4" diameter machined power feed canopy and no canopy on the non-power feed side. Minimal aesthetic. Requires a 1/4-20 stud securely attached to the ceiling.





4" diameter machined power feed and 1-1/4" diameter machined non-power feed canopy. Offers minimal ceiling treatment while maintaining the ability to cover mistakes. Requires a 1/4-20 stud securely fastened to the ceiling.



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Notes

Туре

NEODYMIUM 3

OVERVIEW . SPECIFICATIONS . ORDERING **OPTIONS GUIDE**

COLOR AND FINISH

Standard luminaire housing finishes are Satin Clear anodized, Matte Black powder coat, and Satin White powder coat. Standard hardware (end caps, knuckles, cover plates, etc.) finishes are Machined Finish, Matte Black powder coat, & Satin White powder coat. Custom anodizing and powder coated finishes are available as well. If you have a particular color/finish treatment in mind, please contact the factory and we will do our best to accommodate your project needs.



SENSORS

Optional fixture integrated sensors and controls offer wireless control system compatibility directly from the factory. Lumium luminaries are now available with integrated control gear from 4 major partners.









NOTE: Information on this Spec Sheet is subject to change, please visit www.ecosenselighting.com for the most updated information.



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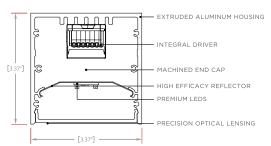
Notes

NITROGEN 3

OVERVIEW . SPECIFICATIONS . ORDERING

CABLE SUSPENDED CS

Туре



FEATURES:

- PRECISION OPTICAL LENSING OPTIONS OR HIGH TRANSMISSION FROSTED LENSING
- 1% DIMMING DRIVERS STANDARD
- ADJUSTABLE AIRCRAFT CABLE SUSPENSION SYSTEM
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL • 360 DEGREE ROTATION OPTION WITH MECHANICAL LOCKING

PERFORMANCE

STATIC WHITE | FLOOD DIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	1944	1944	16	121	4000/80
L	2725	2725	24	114	4000/80
S	3608	3608	32	113	4000/80
Н	4341	4341	40	109	4000/80
VH	5236	5236	48	109	4000/80



CCT MULTIPLIERS STATIC WHITE

сст	270	ок	300	ок	350	ок	40	оок	50	оок
CRI	80	90	80	90	80	90	80	90	80	90
MULTIPLIER	0.93	0.79	0.96	0.82	0.97	0.85	1	0.89	1.01	0.89

NOTE: ALL ITALICIZED OPTIONS MAY INCREASE LEAD TIME. PLEASE CONSULT FACTORY WITH QUESTIONS.

FIXTURE MODEL	MOUNTING	NOMINAL LENGTH (FT)	CCT/CRI	DIRECT DIRECT POWER BEAM LEVEL' DISTRIBUTION'	INDIRECT INDIRECT POWER BEAM LEVEL¹ DISTRIBUTION¹	DRIVER
N3 Nitrogen 3	CSD Cable Suspended Direct Only CSI Cable Suspended Indirect CSR Cable Suspended Rotational	2 3 4 5 6 7 8 CR ^{1,2} Continuous Run (Specify Length in Nominal Feet) 1-Power Feed is always at the first section in a continuous run 2-Robational mounting w/CR will have a power feed for every section	827 830 835 840 850 927 930 935 940 950 <i>TW2765</i> <i>WD1827</i> <i>RGBW'</i> 1.Pair only w/power level(s) -5, beams = F	VL Very low G Graze L Low N Narrow S Standard Flood H High F Flood VH Very High W Wall Wash A Aisle 1. Select only 'Direct' attributes for CSR & CSD mountings	VL Very low F Flood L Low S Standard H High VH Very High 1. Select only 'Indirect' attributes for CSI mounting	ID EldoLED 1% OID EldoLED 0.1% LDEI Lutron Ecosystem 1% LDE5 Lutron Ecosystem 5% IDT (TW) IDW (WD) DMX8 Standard 8 bit (RGBW) DMX16 Optional 16 bit (RGBW) DALI (INTL) 1. Driver must reside in remote housing

C Satin Clear MF Machin	44 4" Power feed					
Anodize V Satin White Powder Coat B Matte Black Powder Coat F Custom Finish (Consult Factory)	ed Finish //hite Black I Finish t Factory) 4" Non-power feed canopy 40 4" Power feed canopy Canopy only power feed 41 4" Power feed 41 4" Power feed	SW Satin White MB Matte Black CF Custom Finish (Consult Factory)	W White B Black G Gray	4 4' 8 8'	EMB7 ^{13,4,5} 7 Watt battery ba (Approximately 6 lumens) EMB12 ^{13,4,5} 12 Watt battery b (Approximately 10 lumens) EMW ¹² Emergency Circui WSN WSN NLight sense. WSE WSE Englighted S	ack-up 000 it Wiring or Sensor
1. CSR rotational h	canopy 1" Non-power feed canopy				WSW WSW Wavelinx Se WSL Lutron Vive S 1.EMB/EMW only linked to first section of continu	Sensor

NOTE: All italicized options may increase lead time. Please consult factory with questions.

GENERAL

All fixtures are UL listed for dry and damp locations. INTEGRAL DRIVER for all options. Please contact the factory with any specification questions.

FIXTURE ORIENTATION

Direct (CSD) for downlight applications Indirect (CSI) for up light applications Rotational (CSR) for adjustable applications: 360 degree rotational capacity with locking mechanism.



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Туре

NITROGEN 3

OVERVIEW • SPECIFICATIONS • ORDERING

PHOTOMETRIC DATA

DIRECT

STATIC WHITE | FLOOD DIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	1944	1944	16	121	4000/80
L	2725	2725	24	114	4000/80
S	3608	3608	32	113	4000/80
Н	4341	4341	40	109	4000/80
VH	5236	5236	48	109	4000/80

CCT MULTIPLIERS, STATIC WH

сст	80CRI	90CRI
2700K	0.93	0.79
3000K	0.96	0.82
3500K	0.97	0.85
4000K	1.00	0.89
5000K	1.01	0.89

DYNAMIC WHITE | FLOOD DIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI	
VL	1364	1364	24	57	4000/90	
L	1913	1913	32	60	4000/90	
S	2532	2532	36	70	4000/90	
Н	3047	3047	44	69	4000/90	
VH	3675	3675	48	77	4000/90	

CCT MULTIPLIERS, DYNAMIC WH

сст	90CRI
2700K	1.09
3000K	1.08
3500K	1.03
4000K	1.00
5000K	0.99
6500K	0.98

WARM DIM | FLOOD DIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	1432	1432	24	60	2700/90
L	2008	2008	32	63	2700/90
S	2658	2658	36	74	2700/90
Н	3199	3199	44	73	2700/90
VH	3858	3858	48	80	2700/90

CCT MULTIPLIERS, WARM DIM

1800K 0.02 2250K 0.17 2700K 1.00	сст	90CRI
2250K 0.17		
	1800K	0.02
2700К 1.00	2250K	017
	2700K	1.00
		``

RGBW | FLOOD DIRECT

POWER LEVELS	CHANNEL (S)	LIGHT DIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	ССТ
S	White	351.3	351	10	35	4000
S	All	811.9	812	20	41	N/A

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Notes

NITROGEN 3

OVERVIEW . SPECIFICATIONS . ORDERING

PHOTOMETRIC DATA

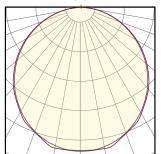
Туре

DIRECT

DIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

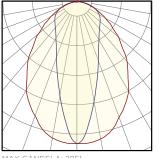
TYPE	CCT/CRI	ENERGY WATTS/ 4FT	FLOOD LM/4FT	FLOOD LPW	NARROW FLOOD LM/4FT	NARROW FLOOD LPW	AISLE LIGHTER LM/4FT	AISLE LIGHTER LPW	GRAZE LM/4FT	GRAZE LPW	WALL WASH LM/4FT	WALL WASH LPW
STATIC WHITE	4000K/80	S (32W)	3608	113	4049	127	4203	131	4393	137	3958	124
DYNAMIC WHITE	4000K/90	S (36W)	2532	70	2865	80	2965	82	3098	86	2799	78
WARM DIM	2700K/90	S (36W)	2658	74	3008	84	3113	86	3253	90	2938	82
RGBW	ALL CHANNELS UP	S (20W)	812	41	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD*



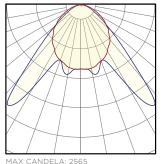
MAX CANDELA: 1244 DELIVERED LUMENS: 3608 WATTS: 32 LPW: 113

NARROW FLOOD*



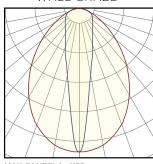
MAX CANDELA: 2851 DELIVERED LUMENS: 4049 WATTS: 32 LPW: 127

AISLE LIGHTER*



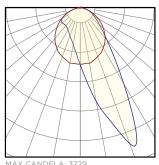
MAX CANDELA: 2565 DELIVERED LUMENS: 4203 WATTS: 32 LPW: 131

WALL GRAZE*



MAX CANDELA: 4185 DELIVERED LUMENS: 4393 WATTS: 32 LPW: 137

WALL WASH*



MAX CANDELA: 3729 DELIVERED LUMENS: 3958 WATTS: 32 LPW: 124

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

CCT MULTIPLIERS STATIC WHITE

	ССТ 2700К			3000K			3500K		4000K				5000K						
Ī	CRI		80	90	ī	80	90	Ī	80	90)		80	S	90	1	80	90)
	MULTIPLIER		0.93	0.79		0.96	0.82		0.97	0.8	35		1	0	.89		1.01	0.8	39

CCT MULTIPLIERS DYNAMIC WHITE

ССТ	2700K	3000K	3500K	4000K	5000K	6000K
CRI	90	90	90	90	90	90
MULTIPLIER	1.09	1.08	1.03		0.99	0.98

CCT MULTIPLIERS WARM DIM

сст	1800K	2250K	2700K
CRI	90	90	90
MULTIPLIER	0.02	0.17	1

POWER LEVEL MULTIPLIERS

POWER	VL	L	s	н	VH
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAIMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45



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Notes

Туре

NITROGEN 3

OVERVIEW . SPECIFICATIONS . ORDERING

OPTIONS GUIDE

MOUNTING



CABLE SUSPENDED DIRECT (CSD) CABLE SUSPENDED INDIRECT (CSI)

This fixture can be a static down-light: Direct (CSD) or static up-light: Indirect (CSI). Aircraft cables come in 4ft and 8ft lengths and are field adjustable



SURFACE MOUNT SIDE (SMS)

Surface Mount Side (SMS): the fixture is mounted on the wall & gives a static down-light.



CABLE SUSPENDED - ROTATIONAL (CSR)

Using a similar setup to the Cable Suspended system above, the Cable Suspended - Rotational system has 360 degree rotational capacity with mechanical fasteners to lock fixtures in place if desired. This system offers incredible flexibility, light direction control, and a dynamic aesthetic



ROTATIONAL ARM MOUNT (RAM)

This system uses 5/8" diameter aluminum arms and subtle details in combination with a 360 degree rotational capacity to create some of the most versatile linear fixtures in the architectural market. Standard mounting uses 3/O mud rings (supplied by others). Engineered with no visible fasteners, smooth rotation, and mechanical locking, the RAM system reveals an impressive aesthetic with exceptional versatility.

CONTINUOUS RUN (CR)

This fixture has two continuous run connection options. Our single seam continuous run option offers smooth transitions from one section to the next. The joiner bracket and alignment pin system in this option, offers easy to use, confident, single seam connections with a tight fit.

Alternatively, our 360 degree rotational option enables individual sections to rotate independently of each other, which offers adjustable asymmetric light distribution capacity along with striking appearances such as alternating up/down fixtures or spiral $transitions. \ \ The \ flexibility \ within \ the \ rotational \ option \ makes \ for \ infinite \ design \ and \ functional \ possibilities.$



CONTINUOUS RUN ROTATIONAL



CONTINUOUS RUN ROTATIONAL (SPIRAL EFFECT)



CONTINUOUS RUN SINGLE SEAM



FIXTURE WITH SINGLE SEAM CONTINUOUS RUN



FIXTURE WITH CONTINUOUS RUN ROTATIONAL

CANOPIES

SATIN WHITE (SW)

MATTE BLACK

MACHINE FINISH (ME)







4" diameter power feed and 4" diameter non-power feed canopy.

40



4" diameter machined power feed canopy and no canopy on the non-power feed side. Minimal aesthetic. Requires a 1/4-20 stud securely attached to the ceiling.





4" diameter machined power feed and 1-1/4" diameter machined non-power feed canopy. Offers minimal ceiling treatment while maintaining the ability to cover mistakes. Requires a 1/4-20 stud securely fastened to the ceiling.



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Notes

Туре

NITROGEN 3

OVERVIEW · SPECIFICATIONS · ORDERING

OPTIONS GUIDE

COLOR AND FINISH

Standard luminaire housing finishes are Satin Clear anodized, Matte Black powder coat, and Satin White powder coat. Standard hardware (end caps, knuckles, cover plates, etc.) finishes are Machined Finish, Matte Black powder coat, & Satin White powder coat. Custom anodizing and powder coated finishes are available as well. If you have a particular color/finish treatment in mind, please contact the factory and we will do our best to accommodate your project needs.



SENSORS

Optional fixture integrated sensors and controls offer wireless control system compatibility directly from the factory. Lumium luminaries are now available with integrated control gear from 4 major partners.









NOTE: Information on this Spec Sheet is subject to change, please visit www. ecosenselighting.com for the most updated information.



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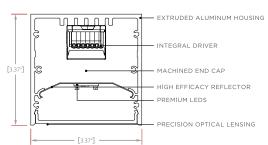
Notes

Туре

NITROGEN 3

OVERVIEW . SPECIFICATIONS . ORDERING

CABLE SUSPENDED CS



PERFORMANCE

STATIC WHITE | FLOOD DIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	1944	1944	16	121	4000/80
L	2725	2725	24	114	4000/80
S	3608	3608	32	113	4000/80
Н	4341	4341	40	109	4000/80
VH	5236	5236	48	109	4000/80



FEATURES:

- PRECISION OPTICAL LENSING OPTIONS OR HIGH TRANSMISSION FROSTED LENSING
- 1% DIMMING DRIVERS STANDARD
- ADJUSTABLE AIRCRAFT CABLE SUSPENSION SYSTEM
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL
- 360 DEGREE ROTATION OPTION WITH MECHANICAL LOCKING

CCT MULTIPLIERS STATIC WHITE

сст	270	ок	300	оок	350	ок	40	оок	50	оок
CRI	80	90	80	90	80	90	80	90	80	90
MULTIPLIER	0.93	0.79	0.96	0.82	0.97	0.85	1	0.89	1.01	0.89

NOTE: ALL ITALICIZED OPTIONS MAY INCREASE LEAD TIME. PLEASE CONSULT FACTORY WITH QUESTIONS.

FIXTURE MODEL	MOUNTING	NOMINAL LENGTH (FT)	CCT/CRI	DIRECT DIRECT POWER BEAM LEVEL¹ DISTRIBUTION¹	INDIRECT INDIRECT POWER BEAM LEVEL¹ DISTRIBUTION¹	DRIVER
N3 Nitrogen 3	CSD Cable Suspended Direct Only CSI Cable Suspended Indirect CSR Cable Suspended Rotational	2 3 4 5 6 7 8 CR ¹² Continuous Run (Specify Length in Nominal Feet)	827 830 835 840 850 927 930 935 940 950 TW2765 WD1827	VL Very low G Graze L Low N Narrow S Standard Flood H High F Flood VH Very High W Wall Wash A Aisle	VL Very low F Flood L Low S Standard H High VH Very High	ID EldoLED 1% OID EldoLED 0.1% LDE1 Lutron Ecosystem 1% LDE5 Lutron Ecosystem 5% IDT (TW) IDW (WD) DMX8 Standard 8 bit (RGBW DMX16 Optional 16 bit (RGBW DALI (INTL)
		section in a continuous run 2. Rotational mounting w/CR will have a power feed for every section	RGBW ¹ 1. Pair only w/ power level(s) = S. beams = F	Select only 'Direct' attributes for CSR & CSD mountings	Select only 'Indirect' attributes for CSI mounting	1. Driver must reside in remote housing

HOUSING FINISH	END CAPS FINISH ¹	CANOPY SIZE	CANOPY FINSH	POWER CORD	CABLE LENGTH	OPTIONS
SC Satin Clear Anodize W Satin White Powder Coat MB Matte Black Powder Coat CF Custom Finish (Consult Factory)	MF Machined Finish SW Satin White MB Matte Black CF Custom Finish (Consult Factory)	44 4" Power feed canopy 4" Non-power feed canopy 40 4" Power feed canopy Canopy only at power feed 41 4" Power feed canopy	MF Machine Finish SW Satin White MB Matte Black CF Custom Finish (Consult Factory)	W White B Black G Gray	4 4' 8 8'	EMB7 ^{1,3,4,5} 7 Watt battery back-up (Approximately 600 lumens) EMB12 ^{1,3,4,5} 12 Watt battery back-up (Approximately 1000 lumens) EMW ^{1,2} Emergency Circuit Wiring WSN WSN nLight sensor WSW WSE Englighted Sensor WSW WSW Wavelinx Sensor
	CSR rotational hardware finish matches end cap finish selection	1" Non-power feed canopy				WSL Lutron Vive Sensor 1.EMB/EHW only linked to first section of continuous run 2.EMW not available for 21t/3th lengths 3.EMB/B 2.EMB/2.5th lengths and up 4. CSI mounting not compatible with EMB 5.EMB not available for combined 8FT length & VH power

NOTE: All italicized options may increase lead time. Please consult factory with questions.

GENERAL

All fixtures are UL listed for dry and damp locations. INTEGRAL DRIVER for all options. Please contact the factory with any specification questions.

FIXTURE ORIENTATION

Direct (CSD) for downlight applications Indirect (CSI) for up light applications Rotational (CSR) for adjustable applications: 360 degree rotational capacity with locking mechanism.



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Notes

Туре

NITROGEN 3

OVERVIEW • SPECIFICATIONS • ORDERING

PHOTOMETRIC DATA

DIRECT

STATIC WHITE | FLOOD DIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	1944	1944	16	121	4000/80
L	2725	2725	24	114	4000/80
S	3608	3608	32	113	4000/80
Н	4341	4341	40	109	4000/80
VH	5236	5236	48	109	4000/80

CCT MULTIPLIERS, STATIC WH

0011102111	2121(0, 017(11	<u> </u>
сст	80CRI	90CRI
2700K	0.93	0.79
3000K	0.96	0.82
3500K	0.97	0.85
4000K	1.00	9.89
5000K	1.01	0.89

DYNAMIC WHITE | FLOOD DIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	1364	1364	24	57	4000/90
L	1913	1913	32	60	4000/90
S	2532	2532	36	70	4000/90
Н	3047	3047	44	69	4000/90
VH	3675	3675	48	77	4000/90

CCT MULTIPLIERS, DYNAMIC WH

		- /
СС	т	90CRI
2700	OK	1.09
300	OK	1.08
3500	OK	1.03
400	OK	1366
500	OK	0.99
650	OK	0.98

WARM DIM | FLOOD DIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	1432	1432	24	60	2700/90
L	2008	2008	32	63	2700/90
S	2658	2658	36	74	2700/90
Н	3199	3199	44	73	2700/90
VH	3858	3858	48	80	2700/90

CCT MULTIPLIERS, WARM DIM

1800K 0.02 2250K 0.17 2700K 1.00	сст	90CRI
2250K 0.17		
	1800K	0.02
2700К 1.00	2250K	017
	2700K	1.00
		``

RGBW | FLOOD DIRECT

POWER LEVELS	CHANNEL (S)	LIGHT DIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	сст
S	White	351.3	351	10	35	4000
S	All	811.9	812	20	41	N/A

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PHOTOMETRIC DATA

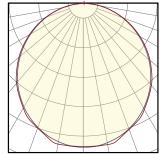
Туре

DIRECT

DIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

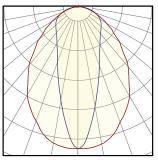
TYPE	CCT/CRI	ENERGY WATTS/ 4FT	FLOOD LM/4FT	FLOOD LPW	NARROW FLOOD LM/4FT	NARROW FLOOD LPW	AISLE LIGHTER LM/4FT	AISLE LIGHTER LPW	GRAZE LM/4FT	GRAZE LPW	WALL WASH LM/4FT	WALL WASH LPW
STATIC WHITE	4000K/80	S (32W)	3608	113	4049	127	4203	131	4393	137	3958	124
DYNAMIC WHITE	4000K/90	S (36W)	2532	70	2865	80	2965	82	3098	86	2799	78
WARM DIM	2700K/90	S (36W)	2658	74	3008	84	3113	86	3253	90	2938	82
RGBW	ALL CHANNELS UP	S (20W)	812	41	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD*



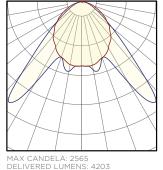
MAX CANDELA: 1244 DELIVERED LUMENS: 3608 WATTS: 32 LPW: 113

NARROW FLOOD*



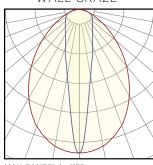
MAX CANDELA: 2851 DELIVERED LUMENS: 4049 WATTS: 32 LPW: 127

AISLE LIGHTER*



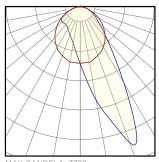
WATTS: 32

WALL GRAZE*



MAX CANDELA: 4185 DELIVERED LUMENS: 4393 WATTS: 32 LPW: 137

WALL WASH*



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*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

CCT MULTIPLIERS STATIC WHITE

	сст		2700K			3000К		3500K			4000K				5000K				
Ī	CRI		80	90	ī	80	90	Ī	80	90)		80	S	90	1	80	90)
	MULTIPLIER		0.93	0.79		0.96	0.82		0.97	0.8	35		1	0	.89		1.01	0.8	39

CCT MULTIPLIERS DYNAMIC WHITE

ССТ	2700K	3000K	3500K	4000K	5000K	6000K
CRI	90	90	90	90	90	90
MULTIPLIER	1.09	1.08	1.03		0.99	0.98

CCT MULTIPLIERS WARM DIM

сст	1800K	2250K	2700K
CRI	90	90	90
MUI TIPLIER	0.02	0.17	1

POWER LEVEL MULTIPLIERS

POWER	VL	L	s	н	VH
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAIMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45



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Notes

Type

NITROGEN 3

OVERVIEW . SPECIFICATIONS . ORDERING

OPTIONS GUIDE

MOUNTING



CABLE SUSPENDED DIRECT (CSD) CABLE SUSPENDED INDIRECT (CSI)

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SURFACE MOUNT SIDE (SMS)

Surface Mount Side (SMS): the fixture is mounted on the wall & gives a static down-light.



CABLE SUSPENDED - ROTATIONAL (CSR)

Using a similar setup to the Cable Suspended system above, the Cable Suspended - Rotational system has 360 degree rotational capacity with mechanical fasteners to lock fixtures in place if desired. This system offers incredible flexibility, light direction control, and a dynamic aesthetic.



ROTATIONAL ARM MOUNT (RAM)

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CONTINUOUS RUN (CR)

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Alternatively, our 360 degree rotational option enables individual sections to rotate independently of each other, which offers adjustable asymmetric light distribution capacity along with striking appearances such as alternating up/down fixtures or spiral transitions. The flexibility within the rotational option makes for infinite design and functional possibilities.



CONTINUOUS RUN ROTATIONAL



CONTINUOUS RUN ROTATIONAL (SPIRAL EFFECT)



CONTINUOUS RUN SINGLE SEAM



FIXTURE WITH SINGLE SEAM CONTINUOUS RUN



FIXTURE WITH CONTINUOUS RUN ROTATIONAL

CANOPIES

SATIN WHITE (SW)

SW) M

MATTE BLACK

MACHINE FINISH (MF)



4" diameter power feed and 4" diameter non-power feed canopy.





 $4^{\prime\prime}$ diameter machined power feed canopy and no canopy on the non-power feed side. Minimal aesthetic. Requires a 1/4-20 stud securely attached to the ceiling.





4" diameter machined power feed and 1-1/4" diameter machined non-power feed canopy. Offers minimal ceiling treatment while maintaining the ability to cover mistakes. Requires a 1/4-20 stud securely fastened to the ceiling.



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Notes

Туре

NITROGEN 3

OVERVIEW • SPECIFICATIONS • ORDERING

OPTIONS GUIDE

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SENSORS

Optional fixture integrated sensors and controls offer wireless control system compatibility directly from the factory. Lumium luminaries are now available with integrated control gear from 4 major partners.









 $NOTE: In formation \ on \ this \ S \ pec \ Sheet \ is \ s \ ubject \ to \ change, \ please \ visit \ www. \ ecosense lighting.com \ for \ the \ most \ updated \ information.$





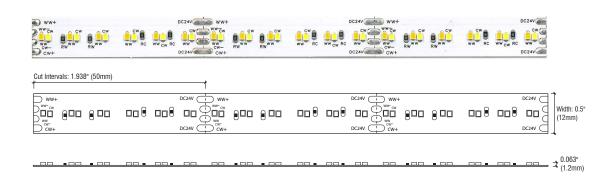
Submitted By 16500, INC Catalog Number CT1865-24V

Notes



COLOR TUNING (INDOOR)

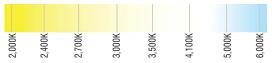
CT-SERIES | 4-WIRE | DYNAMIC WHITE LINEAR LED LIGHTING



PRODUCT FEATURES

- · Ability to Mix Kelvin Temperatures
- 90+ CRI
- Dimmable
- 50,000 Hour Life
- 5-Year Warranty
- · UL-Listed for Indoor
- 3M™ Industrial Adhesive Backing
- For Use with 24V Power Supplies
- Outdoor Product (IP67) Available

KELVIN COLOR TEMPERATURE SCALE



SPECIFICATIONS

Model	CT1865-24V (Indoor)
Input Voltage	24V DC / Constant Voltage
Watts per Foot	3.6W/ft @ Maximum Run Length
Kelvin Range	1800K-6500K
Lumens	Up to 410 lm/ft
Beam Spread	120°
Max Run Length	Unlimited, power every 20ft
Cut Intervals	1.938" (50mm)
Dimensions	0.5" (12mm) × 0.063" (1.2mm)
CRI	90+
Diode	2016
Dimming Options	PWM, Triac, 0-10V, DMX, Hi-lume
Temp Range	-40°F (-40°C) to 149°F (65°C)

TOTAL WATTAGE USED AT EACH LENGTH

1ft	2ft	3ft	4ft	5ft	6ft	7ft	8ft	9ft	10ft	11ft	12ft	13ft	14ft	15ft	16ft	17ft	18ft	19ft	20ft
4.2	8.5	12.7	16.8	21	25.4	29.2	32.9	36.9	40.5	44.2	48	51.4	54.6	57.7	60.7	64.3	67	70.4	71.8

Conforms to ANSI/UL Standard 2108 Certified to CAN/CSA Standard C22.2 No. 250.0













Туре



Lighting Services Inc

Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

Submitted By 16500, INC Catalog Number LX2044-L19 10-90 CO S1 CT1-DX 120 S

Notes

LumeLEX SERIES

Туре

LX2044 · 120/277V · LUMENETIX-ARAYA · 19MM



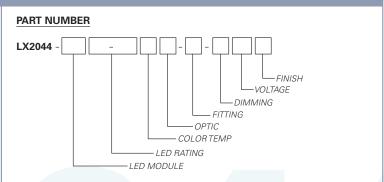
Elegant fixture designed specifically for the most demanding architecture applications.

- Designed for the Lumenetix-araya Color Tuning LED module up to 22 Watts
- Extremely tight color consistency (less than 2 MacAdam Ellipses, ± 0.002 DUV), (2000K to 6000K at 2 SDCM)
- System efficiency up to 42 lumens/watt
- On board closed loop feedback compensates each channel for thermal and optical depreciation.
- 50,000 hour life to 70% lumen output, L70 at 95°F max ambient
- Tunable white from 1650K to 8000K
- Full color tuning and gradients of saturated colors
- Color Rendering Index (CRI) of 90+ from 2000K to 6000K
- 1000 produced lumens
- Tested to LM79 and LM80 Protocols
- Choice of dimming down to 1%. Compatible with 2 zones for 0-10V
- 0-10V with the ability to control intensity and CCT simultaneously
- Compatible with DMX and RDM
- Uses the following four DMX channels: Dimming, CCT, Saturation, and Hue
- Field interchangeable optics (15°-60°) modify the beam spread distribution
- Accessory holder accepts up to two size-AA LSI filters and accessories
- Finishes: LSI Black, White, and Silver
- Fixture weight: 3.5 lbs
- All modules are field replaceable

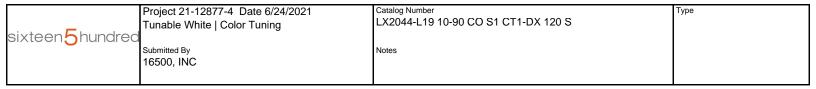
FIXTURE PART NUMBERS

Please review the **ORDERING INFORMATION** section on the next page as well as the **MOUNTING OPTIONS** on page 3 to create a part number for each fixture that specifies the following:

- LED Module
- LED Rating
- Color Temperature
- Optic (mm/beam spread)
- Fitting/Controls (Dimming)
- Voltage
- Finish

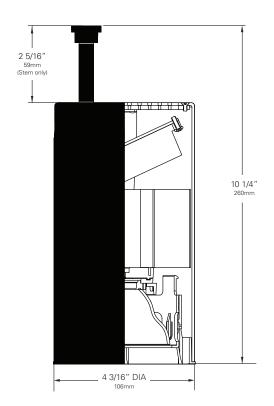


Example Part Number: **LX2044-L1910-90DWM9-CT1-10120W** is a fixture with a Lumenetix-araya 19mm LED module, 1000 Lumen/90 CRI/20 Watt LED rating, Dynamic White (1650° - 8000°K) Color Temperature, 70mm 20° Optic, CT1 CONTROLTrack fitting with 0-10V compatible control gear, 120V and a White finish.



Lighting Services Inc LumeLEX SERIES

LX2044 · 120/277V · LUMENETIX-ARAYA · 19MM



ORDERING INFORMATION

Base Fixture Model

□ LX2044-L19

LED Rating (Lumens/CRI/Wattage)

□ 10-90 = 1000/90/22

Color Temperature

- \square DW= Dynamic White 1650-8000K*
- ☐ CO= Full Color and Dynamic White 1650-8000K (DMX Dimming only)

Optio

- \square S1 = 50mm/15°
- \square M2 = 70mm/ 20° \square M4 = 70mm/ 35°
- \square M6 = 70mm/ 60° \square M8 = 70mm/ 40° Wide Field Angle
- ☐ M9 = 70mm/ 20° Wide Field Angle

Fitting/Controls (Dimming)

- ☐ CT1-10 = CONTROLTrack Fitting & 0-10V (1%)*
- \square CT1-DX = CONTROLTrack Fitting & DMX (<1%)
- □ 5A-10 = Canopy Fitting & 0-10V (1%)*
- ☐ 5A-DX = Canopy Fitting & DMX (<1%)

Voltage

□ 120 = 120V □ 230 = 220-240V □ 277 = 277V

Finish

 \square B = Black \square W = White \square S = Silver

Example Part Number:

LX2044-L19 10-90 DW M9 - CT1-10 120 W FIXTURE MODEL CLOSE OFFICE OFFICE

Other Options (Consult Factory):

- Custom Stems, specify length (4"- 48")
- Custom color, RAL palette

^{*0-10}V available in Dynamic White only.



Lighting Services Inc

Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

Submitted By 16500, INC

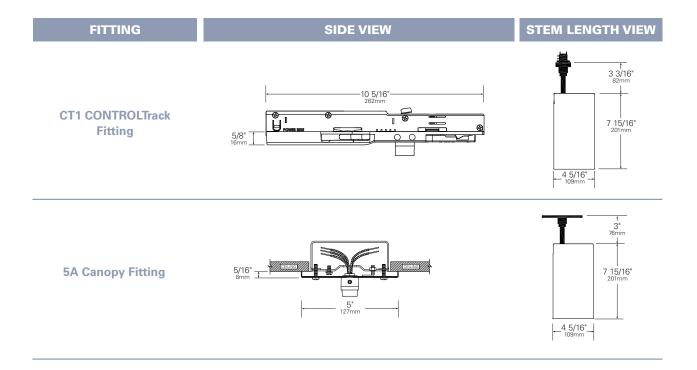
Catalog Number LX2044-L19 10-90 CO S1 CT1-DX 120 S

Notes

LumeLEX SERIES

Туре

LX2044 · MOUNTING OPTIONS





Submitted By 16500, INC Catalog Number LX2044-L19 10-90 CO S1 CT1-DX 120 S

Notes

Lighting Services Inc LumeLEX SERIES

LX2044 PERFORMANCE

The performance characteristics of the LumeLEX family of products can be customized based on the LED module and the optic (reflector) selected.

Each available LED module is defined by four characteristics – module type (dynamic white vs full color), control type (0-10V and DMX), the power that it uses (watts), and its "available lumens." Note that available lumens is a theoretical value that represents the light output of the module on its own – no fixture or optic attached.

In the LSI part number, the LED module is specified with a letter and a number that immediately follow the product series number. For example, in the part number LX2044-L1910-90COM2-CT1-DX120B, the "10-90CO" represents a 19mm Lumenetix-araya module with an output of 1000 Lumens, a minimum CRI of 90, with full color tuning and power usage of 22 Watts.

The available optics (reflectors) are characterized by size, beam angle, and in some cases the characteristics of the field angle (narrow or wide). The optic is specified by the two characters that follow the LED designation in the part number. For example, the "M2" in LX2044-L1910-90COM2-CT1-DX120B is a 70mm diameter optic that has a 20-Degree beam with a narrow field.

Additional parameters, such as Center Beam Candle Power (CBCP), Delivered Lumens, and Efficiency (Lumens per Watt) are all shown in a table that is organized by LED module and optic combination.

CBCP = Center Beam Candle Power											
LED Module		Optic (Reflector)									
Lumens/CRI/Wattage	S 1	S1 M2 M4 M6 M8 M9									
1000/90/22	2,070	3,012	2,017	1,080	1,598	2,923					

Delivered Lumens											
LED Module		Optic (Reflector)									
Lumens/CRI/Wattage	S1	M2	M4	M6	M8	M9					
1000/90/22	293	350	607	875	897	899					

Efficiency = Lumens Per Watt											
LED Module		Optic (Reflector)									
Lumens/CRI/Wattage	age S1 M2 M4 M6 M8 M9										
1000/90/22	13 16 28 40 41 41										

Absolute range of values are +/- 10% of typical value, and are for all color temperatures

LED Module Lumens/CRI/Wattage Letter Code	1000/90/22 10-90
Nominal Fixture Power (+/- 20%), Watts	22
Maximum Inrush Current, Amps	10
Minimum Power Factor	0.92

Inrush current is instantaneous current drawn by the LED only when fixture is initially powered on or instantaneously changed from full dim to full bright. For more details see Dimming Application Sheet, IS-0119.

Туре



Lighting Services Inc

Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

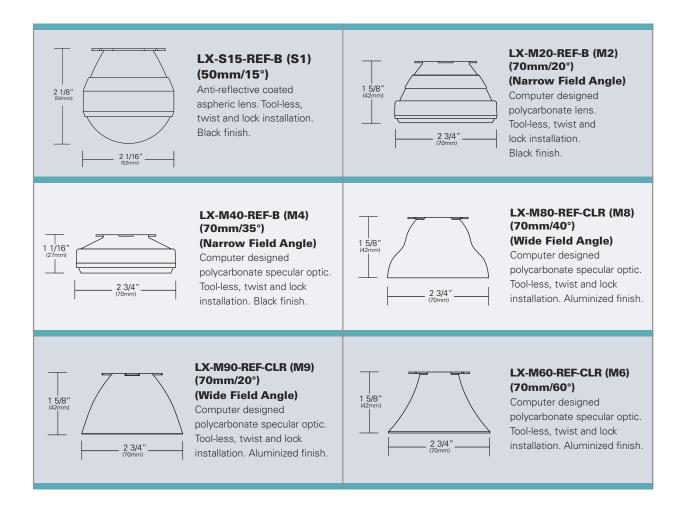
Submitted By 16500, INC Catalog Number LX2044-L19 10-90 CO S1 CT1-DX 120 S

Notes

LumeLEX SERIES

Туре

LX2044 OPTICS





Catalog Number LX2044-L19 10-90 CO S1 CT1-DX 120 S

Notes

Туре

16500, INC

LumeLEX SERIES

Lighting Services Inc

LX2044 PHOTOMETRIC DATA

LED RATING: 10-90	
S1- 50mm DIA Optic (NFA: Narrow Field Angle) Beam Spread (minimum) Center Beam Candlepower CRI	15° 2070 90
M2-70mm DIA Optic (FR: Field Reducer) Beam Spread (minimum) Center Beam Candlepower CRI	20° 3012 90
M9- 70mm DIA Optic (NFA: Narrow Field Angle) Beam Spread (minimum) Center Beam Candlepower CRI	20° 2923 90
M4- 70mm DIA Optic (NFA: Narrow Field Angle) Beam Spread (minimum) Center Beam Candlepower CRI	35° 2017 90
M8- 70mm DIA Optic (WFA: Wide Field Angle) Beam Spread (minimum) Center Beam Candlepower CRI	40° 1598 90
M6- 70mm DIA Optic (WFA: Wide Field Angle) Beam Spread (minimum) Center Beam Candlepower CRI	60° 1080 90

LED RAT	ING: 10-90						
	M6 (60°) NFA	M8 (40°) WFA	M4 (35°) NFA	M9 (20°) WFA	M2 (20°) NFA	S1 (15°) NFA	All Distances in Feet 6 4 2 0 2 4 6
	1080	1598	2017	2923	3012	2070	1
	270	400	504	731	753	518	2
8	120	178	224	325	335	230	3
Axis	68	100	126	183	188	129	4
Ē	43	64	81	117	120	83	5
Beam	30	44	56	81	84	58	6
	22	33	41	60	61	42	7
°	17	25	32	46	47	32	8
at	13	20	25	36	37	26	9
Footcandles	11	16	20	29	30	21	10
둳	9	13	17	24	25	17	11
Sar	8	11	14	20	21	14	12
ote	6	9	12	17	18	12	13
P	6	8	10	15	15	11	14
×	5	7	9	13	13	9	15
All Max.	4	6	8	11	12	8	16
É	4	6	7	10	10	7	17
<	3	5	6	9	9	6	18
	3	4	6	8	8	6	19
	3	4	5	7	8	5	20
	2	4	5	7	7	5	21
	2	3	4	6	6	4	22
	2	3	4	6	6	4	23
	2	3	4	5	5	4	24
	2	3	3	5	5	3	25

Photometric Data based on LED Rating: 10-90 (1000 Lumens/90CRI/22watts) *WFA Optics not represented in graph



Submitted By 16500, INC Catalog Number LX2044-L19 10-90 CO S1 CT1-DX 120 S

Notes

Lighting Services Inc LumeLEX SERIES

LX2044 ACCESSORIES



SPREAD LENSES AND BEAM SOFTENER

No.	Description	Iransmission
AA990	Spread Lens/Clear	83 (5°X 50°)
AA992	Spread Lens/Clear	85 (5°X 30°)
AA995	Spread Lens/Clear	83 (50°X 50°)
AA996	Spread Lens/Clear	86 (45°X 50°)
ΔΔ998	Roam Softener/Clear	80 (45°X 45°)



Stainless steel mesh screens used alone or in combinations will block from approximately 20% to 90% of the transmitted light without changing color temperature of the light.

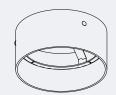
Туре

No.	% of Light Blocked
AA801S	20
AA802S	30
AA803S	40



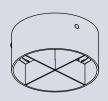
LOUVER HEX AA

1/8" thick Hexcell black metal louver used for thin profile. Black finish.



HOOD-EXT-LX44-NXB-X

Cylindrical metal hood controls spill light and glare. Does not include cross baffle. Specify finish.



HOOD-EXT-LX44-WXB-X

Cylindrical metal hood controls spill light and glare. Includes cross baffle. Specify finish.

Figures vary based upon LED Module/Optic being used and relationship of screen(s) to LED Module/Optic and to each other.



Catalog Number LX2044-L19 10-90 CO S1 CT1-DX 120 S

Lighting Services Inc

COLOR MEDIA

COLOR FILTERS

As the foremost innovator in accent lighting, LSI offers a complete range of permanent fade-free glass color filters, which are available in nine stock diameters. All glass color filters are rimmed in a seamless aluminum ring and are slotted for heat expansion.



Size	Diameter	LSI Fixture Series
AAA	2 3/8"	LumeLEX® 2020/2030/2031/2038, SSLCX16, SSL260, LumeLEX MAR-S
ZM	2 13/16"	LZ ZOOM
AA	3"	LumeLEX® 2044, LumeLEX 2048
А	3 1/2"	LumeLEX® 2060, SSL230, SSLCX30, SSLGR30CL
В	4 1/4"	LumeLEX® MAR-L
С	4 3/4"	290, LumeLEX® 2084, LumeLEX® 2088, SSL238, SSLCX36, SSLCX38, SSLGR38CL

		¹% of Light
No.	Color	Transmission
902	Medium Pink	36
903	Deep Pink	37
904	Flesh Pink	73
906	Pale Lavender	14
907	Surprise Pink	19
908	Lilac	21
910	Warm Red	10
911	Strawberry	6
912	Ruby	4
913	Magenta	
914 915	Light Amethyst	25 16
916	Medium Amethyst Deep Amethyst	4
917	Olive	18
918		68
920	Light Green Medium Green	25
921	Deep Green	7
922	Silver green	65
923	Yellow Green	49
924	Emerald Green	12
925	Light Turquoise	68
926	Medium Turquoise	40
927	Deep Turquoise	17
928	Light Blue	34
930	Medium Blue	3
932	Daylight	59
933	Gene Moore Blue	18
936	Grey	56
937	Light Blue Green	17
939	Light Amber	68
940	Medium Amber	48
941	Deep Amber	43
942	Straw	78
943	Gold	87
944	Canary Yellow	84
945	Lemon	81
946	Pumpkin	32
947	Tangerine	20
948	Orange	23
949	Pink Gold	54
950	Bronze	48
951	Brass	11
952	Autumn Tan	11
953	Leaf Brown	19
954	Butter Pecan	3
955	Toasted Almond	1

Туре

^{1.} Values given are approximate due to slight variations in glass color and thickness.



Submitted By 16500, INC Catalog Number LX2044-L19 10-90 CO S1 CT1-DX 120 S

Notes

Type

Lighting Services Inc

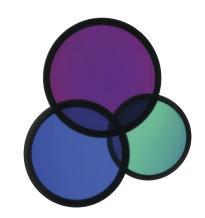
COLOR MEDIA

DICHROIC COLOR FILTERS

In addition to our complete line of glass color filters, LSI now offers dichroic glass color filters that achieve purer, more saturated, richer color by selective wavelength transmission. Since these filters reflect rather than absorb the unwanted color wavelengths, a higher intensity of colored light can be obtained with fewer or lower wattage fixtures. In addition, this selective transmission allows for very accurate color matching from filter to filter.

All standard LSI filter sizes are available in a wide palette of well chosen dichroic colors that can be used with all LSI fixtures that accept accessories.

LSI dichroic glass color filters have the added benefit of being rimmed for extra durability to allow for frequent usage without fear of breakage or edge chipping.



0:	D:	LOLEinton Contro
Size	Diameter	LSI Fixture Series
AAA	2 3/8"	LumeLEX® 2020/2030/2031/2038,
		SSLCX16, SSL260,
		LumeLEX MAR-S
ZM	2 13/16"	LZ ZOOM
AA	3"	LumeLEX® 2044,
		LumeLEX 2048
Α	3 1/2"	LumeLEX® 2060,
		SSL230, SSLCX30,
		SSLGR30CL
В	4 1/4"	LumeLEX® MAR-L
С	4 3/4"	290, LumeLEX® 2084,
		LumeLEX® 2088,
		SSL238, SSLCX36,
		SSLCX38, SSLGR38CL

Technical Data

Dichroic color filters are created in a vacuum chamber by multi-layer vapor deposits of different minerals onto low expansion, chemically resistant Borosilicate glass.

Deposits are made in alternating layers of varying microscopic thickness which allow very narrow color wavelengths to be selectively transmitted and all other wavelengths to be reflected.

LSI does not recommend using dichroic color filters with lamps or fixtures that have beam spreads greater than 40° because a secondary color aura is created by the wide angular transmitted wavelengths that are different than the desired color wavelength.

Since there is mainly transmission and reflection of the color wavelengths by the dichroic filter and very little absorption, the dichroic filter can be used with many high temperature lights that normally would not accept color filters.

No.	Color	% of Light Transmission
2001	Light Pink	69
2002	Medium Pink	43
2003	Hot Pink	11
2004	Pale Pink	55
2010	Deep Magenta	29
2011	Lavender	24
2012	Vivid Magenta	31
2013	Lavender Accent	48
2014	Lilac	37
2015	Purple Fusion	12
2020	Sky Blue	39
2021	Sea Blue	39
2022	Cyan	33
2023	Light Blue Green	30
2024	Primary Blue	24
2025	Medium Red Blue	15
2026	Deep Purple	16
2027	Peacock Blue	53
2028	Mediterranean Blue	20
2029	Boost Blue	51
2040	Light Yellow Green	64
2041	Fern Green	47
2042	Turquoise	35
2043	Primary Green	31
2044	Industrial Green	64
2050	Yellow	80
2051	Amber	71
2052	Amber Blush	38
2053	Bastard Amber	71
2054	Goldenrod	63
2055	Bright Straw	56
2060	Medium Orange	51
2061	Orange	44
2070	Flame Red	27
2071	Primary Red	25



Lighting Services Inc

Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

Submitted By 16500, INC Catalog Number LX2084-L32 50-90 CO X2 CT1-DX 120 S

Notes

LumeLEX Series

Туре

LX2084 120/277V LUMENETIX-ARAYA 32MM



Elegant fixture designed specifically for the most demanding architecture applications.

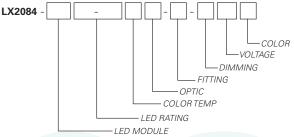
- Designed for the Lumenetix-araya Color Tuning LED module up to 67 Watts
- Extremely tight color consistency (less than 2 MacAdam Ellipses, ± 0.002 DUV), (2000K to 6000K at 2 SDCM)
- System efficiency up to 63 lumens/watt
- On board closed loop feedback compensates each channel for thermal and optical depreciation.
- 50,000 hour life to 70% lumen output, L70 at 95°F max ambient
- Tunable white from 1650K to 8000K
- Full color tuning and gradients of saturated colors
- Color Rendering Index (CRI) of 90+ from 2000K to 6000K
- 4250 produced lumens
- Tested to LM79 and LM80 Protocols
- Choice of dimming down to 1%. Compatible with 2 zones for 0-10V
- 0-10V with the ability to control intensity and CCT simultaneously
- Compatible with DMX and RDM
- Uses the following four DMX channels: Dimming, CCT, Saturation, and Hue
- Field interchangeable optics (24°- 55°) modify the beam spread distribution
- Accessory holder accepts up to three size-C LSI filters and accessories
- Finishes: LSI Black, White, and Silver
- Fixture weight: 8 lbs
- All modules are field replaceable

FIXTURE PART NUMBERS

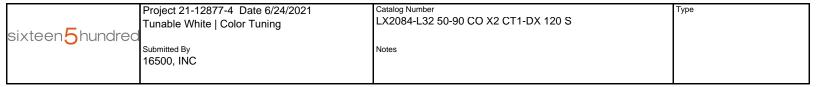
Please review the **ORDERING INFORMATION** section on the next page as well as the **MOUNTING OPTIONS** on page 3 to create a part number for each fixture that specifies the following:

- LED Module
- LED Rating
- Color Temperature
- Optic mm/beam spread
- Fitting/Controls (Dimming)
- Voltage
- Finish

PART NUMBER

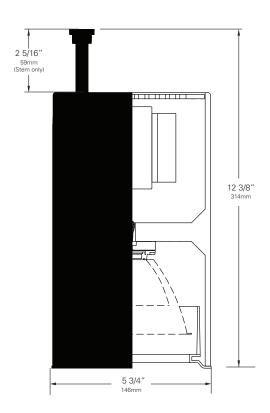


Example Part Number: **LX2084-L3250-90DWX2-CT1-10120W** is a fixture with a Lumenetix-araya 32mm LED module, 5000 Lumen/90 CRI/67 Watt LED rating, Dynamic White (1650 - 8000K) Color Temperature, 111mm 24° Optic, CT1 CONTROLTrack fitting with 0-10V compatible control gear, 120V and a White finish.



Lighting Services Inc LumeLEX Series

LX2084 · 120/277V · LUMENETIX-ARAYA · 32MM



ORDERING INFORMATION

Base Fixture Model

☐ LX2084-L32

LED Rating (Lumens/CRI/Wattage)

□ 50-90 = 5000/90/67

Color Temperature

- ☐ DW= Dynamic White 1650-8000K*
- ☐ CO= Full Color and Dynamic White 1650-8000K (DMX Dimming only)

Optic

- \square X2 = 111mm/ 24°
- \Box X4 = 111mm/ 40°
- \square X5 = 111mm/55°

Fitting/Controls (Dimming)

- ☐ CT1-10 = CONTROLTrack Fitting & 0-10V (1%)*
- ☐ CT1-DX = CONTROLTrack Fitting & DMX (<1%)
- □ 5A-10 = Canopy Fitting & 0-10V $(1\%)^*$
- \Box 5A-DX = Canopy Fitting & DMX (<1%)

Voltage

 \Box 120 = 120V \Box 230 = 220-240V \Box 277 = 277V

Finish

 \square B = Black \square W = White \square S = Silver

Example Part Number:

LX2084-L32 50-90 DW X2- CT1-10 120 W FIXTURE MODEL ELD COLOR TEMPO OPTIC FITTING/ FOLD FINISH FINISH

Other Options (Consult Factory):

- Custom Stems, specify length (4"-6")
- Custom color, RAL palette
- *0-10V available in Dynamic White only.



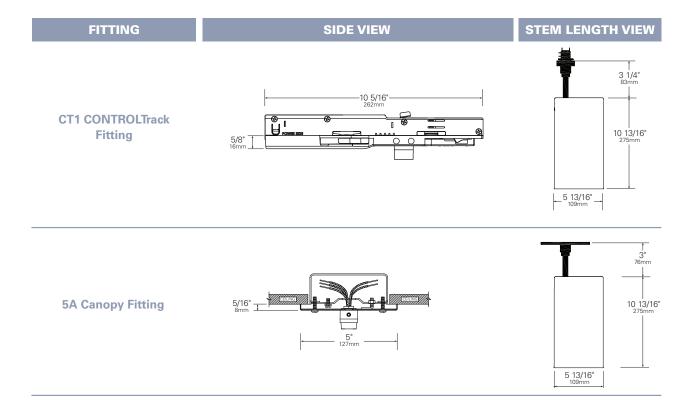
Submitted By 16500, INC Catalog Number LX2084-L32 50-90 CO X2 CT1-DX 120 S

Notes

Туре

Lighting Services Inc LumeLEX Series

LX2084 MOUNTING OPTIONS





Submitted By 16500, INC Catalog Number LX2084-L32 50-90 CO X2 CT1-DX 120 S

Notes

Lighting Services Inc LumeLEX Series

LX2084 PERFORMANCE

The performance characteristics of the LumeLEX family of products can be customized based on the LED module and the optic (reflector) selected.

Each available LED module is defined by four characteristics – module type (dynamic white vs full color), control type (0-10V and DMX), the power that it uses (watts), and its "available lumens." Note that available lumens is a theoretical value that represents the light output of the module on its own – no fixture or optic attached.

In the LSI part number, the LED module is specified with a letter and a number that immediately follow the product series number. For example, in the part number LX2084-L3250-90DWX2-CT1-10120W, the "50-90CO" represents a 32mm Lumenetix-araya module with an output of 5000 Lumens, a minimum CRI of 90, with Dynamic White color temperature and power usage of 67 Watts.

The available optics (reflectors) are characterized by size, beam angle, and in some cases the characteristics of the field angle (narrow or wide). The optic is specified by the two characters that follow the LED designation in the part number. For example, the "X2" in LX2084-L3250-90DWX2-CT1-10120W is a 111mm diameter optic that has a 24-Degree beam.

Additional parameters, such as Center Beam Candle Power (CBCP), Delivered Lumens, and Efficiency (Lumens per Watt) are all shown in a table that is organized by LED module and optic combination.

CBCP = Center Beam Candle Power				
LED Module Optic (Reflector)				
Lumens/CRI/Wattage X2 X4 X5				
5000/90/67 26150 10750 5850				

Delivered Lumens			
LED Module Optic (Reflector)			ctor)
Lumens/CRI/Wattage	X2	X4	X5
5000/90/67	4000	4150	4250

Efficacy = Lumens Per Watt			
LED Module Optic (Reflector)			ctor)
Lumens/CRI/Wattage	X2	X4	X5
5000/90/67 60 62 63			

Absolute range of values are +/- 10% of typical value, and are for all color temperatures

LED Module Lumens/CRI/Wattage SKU Code	5000/90/60 50-90
Nominal Fixture Power (+/- 20%), Watts	67
Maximum Inrush Current, Amps	10
Minimum Power Factor	0.92

Inrush current is instantaneous current drawn by the LED only when fixture is initially powered on or instantaneously changed from full dim to full bright. For more details see Dimming Application Sheet, IS-0119.

Туре



Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

Submitted By 16500, INC

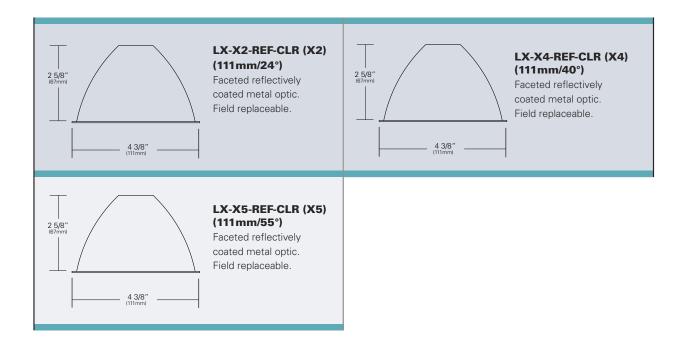
Catalog Number LX2084-L32 50-90 CO X2 CT1-DX 120 S

Note

LumeLEX Series

Туре

LX2084 OPTICS





Tunable White | Color Tuning

Submitted By
16500, INC

Catalog Number LX2084-L32 50-90 CO X2 CT1-DX 120 S

Notes

Туре

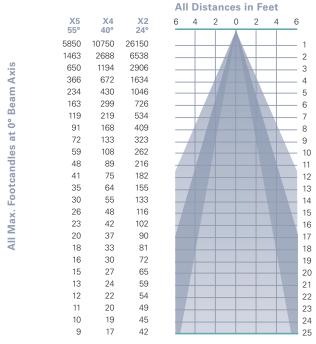
Lighting Services Inc LumeLEX Series

LX2084 PHOTOMETRIC DATA

LED RATING: 50-90

X2- 111mm DIA Optic Beam Spread (minimum) Center Beam Candlepower CRI	24° 26150 90
X4-111mm DIA Optic Beam Spread (minimum) Center Beam Candlepower CRI	40° 10750 90
X5- 111mm DIA Optic Beam Spread (minimum) Center Beam Candlepower CRI	55° 5850 90

LED RATING: 50-90



Photometric Data based on LED Rating: 50-90 (5000 Lumens/90CRI/67watts)

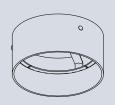


Submitted By 16500, INC Catalog Number LX2084-L32 50-90 CO X2 CT1-DX 120 S

Notes

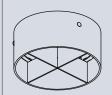
Lighting Services Inc LumeLEX Series

LX2084 · ACCESSORIES



HOOD-EXT-LX84-NXB-X

Cylindrical metal hood controls spill light and glare. Does not include cross baffle. Specify finish.



HOOD-EXT-LX84-WXB-X

Туре

Cylindrical metal hood controls spill light and glare. Includes cross baffle. Specify finish.



SPREAD LENSES AND BEAM SOFTENER

No. I	Description	Transmissi
C990 S	Spread Lens/Clear	83 (5°X 50°)
C992 S	Spread Lens/Clear	85 (5°X 30°)
C995 S	Spread Lens/Clear	83 (50°X 50°)
C996 S	Spread Lens/Clear	86 (45°X 50°)
C998 E	Beam Softener/Clear	80 (45°X 45°)



¹LIGHT BLOCKING SCREENS C

Stainless steel mesh screens used alone or in combinations will block from approximately 20% to 90% of the transmitted light without changing color temperature of the light.

No.	% of Light Blocked
C801S	20
C802S	30
C803S	40



LOUVER HEX C

1/8" thick Hexcell black metal louver used for thin profile. Black finish.

Figures vary based upon LED Module/Optic being used and relationship of screen(s) to LED Module/Optic and to each other.



|L

Catalog Number LX2084-L32 50-90 CO X2 CT1-DX 120 S Туре

Notes

Lighting Services Inc

COLOR MEDIA

COLOR FILTERS

As the foremost innovator in accent lighting, LSI offers a complete range of permanent fade-free glass color filters, which are available in nine stock diameters. All glass color filters are rimmed in a seamless aluminum ring and are slotted for heat expansion.



Size	Diameter	LSI Fixture Series
AAA	2 3/8"	LumeLEX® 2020/2030/2031/2038, SSLCX16, SSL260, LumeLEX MAR-S
ZM	2 13/16"	LZ ZOOM
AA	3"	LumeLEX® 2044, LumeLEX 2048
А	3 1/2"	LumeLEX® 2060, SSL230, SSLCX30, SSLGR30CL
В	4 1/4"	LumeLEX® MAR-L
С	4 3/4"	290, LumeLEX® 2084, LumeLEX® 2088, SSL238, SSLCX36, SSLCX38, SSLGR38CL

No.	Color	¹ % of Light Transmission
902		
902	Medium Pink Deep Pink	36 37
904	Flesh Pink	73
904	Pale Lavender	14
		19
907	Surprise Pink	21
908 910	Lilac Warm Red	10
911	Strawberry	6
912	Ruby	4
913	Magenta	1
914	Light Amethyst	25
915	Medium Amethyst	16
916	Deep Amethyst	4
917	Olive	18
918	Light Green	68
920	Medium Green	25
921	Deep Green	7
922	Silver green	65
923	Yellow Green	49
924	Emerald Green	12
925	Light Turquoise	68
926	Medium Turquoise	40
927	Deep Turquoise	17
928	Light Blue	34
930	Medium Blue	3
932	Daylight	59
933	Gene Moore Blue	18
936	Grey	56
937	Light Blue Green	17
939	Light Amber	68
940	Medium Amber	48
941	Deep Amber	43
942	Straw	78
943	Gold	87
944	Canary Yellow	84
945	Lemon	81
946	Pumpkin	32
947	Tangerine	20
948	Orange	23
949	Pink Gold	54
950	Bronze	48
951	Brass	11
952	Autumn Tan	11
953	Leaf Brown	19
954	Butter Pecan	3
955	Toasted Almond	1

Notes

^{1.} Values given are approximate due to slight variations in glass color and thickness.



Submitted By 16500, INC

Catalog Number LX2084-L32 50-90 CO X2 CT1-DX 120 S

Notes

Туре

Lighting Services Inc

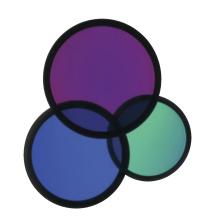
COLOR MEDIA

DICHROIC COLOR FILTERS

In addition to our complete line of glass color filters, LSI now offers dichroic glass color filters that achieve purer, more saturated, richer color by selective wavelength transmission. Since these filters reflect rather than absorb the unwanted color wavelengths, a higher intensity of colored light can be obtained with fewer or lower wattage fixtures. In addition, this selective transmission allows for very accurate color matching from filter to filter.

All standard LSI filter sizes are available in a wide palette of well chosen dichroic colors that can be used with all LSI fixtures that accept accessories.

LSI dichroic glass color filters have the added benefit of being rimmed for extra durability to allow for frequent usage without fear of breakage or edge chipping.



0:	D:	LOI Fintene Contro
Size	Diameter	LSI Fixture Series
AAA	2 3/8"	LumeLEX® 2020/2030/2031/2038,
		SSLCX16, SSL260,
		LumeLEX MAR-S
ZM	2 13/16"	LZ ZOOM
AA	3"	LumeLEX® 2044,
		LumeLEX 2048
Α	3 1/2"	LumeLEX® 2060,
		SSL230, SSLCX30,
		SSLGR30CL
В	4 1/4"	LumeLEX® MAR-L
С	4 3/4"	290, LumeLEX® 2084,
		LumeLEX® 2088,
		SSL238, SSLCX36,
		SSLCX38, SSLGR38CL

Technical Data

Dichroic color filters are created in a vacuum chamber by multi-layer vapor deposits of different minerals onto low expansion, chemically resistant Borosilicate glass.

Deposits are made in alternating layers of varying microscopic thickness which allow very narrow color wavelengths to be selectively transmitted and all other wavelengths to be reflected.

LSI does not recommend using dichroic color filters with lamps or fixtures that have beam spreads greater than 40° because a secondary color aura is created by the wide angular transmitted wavelengths that are different than the desired color wavelength.

Since there is mainly transmission and reflection of the color wavelengths by the dichroic filter and very little absorption, the dichroic filter can be used with many high temperature lights that normally would not accept color filters.

No.	Color	% of Light Transmission
2001	Light Pink	69
2002	Medium Pink	43
2003	Hot Pink	11
2004	Pale Pink	55
2010	Deep Magenta	29
2011	Lavender	24
2012	Vivid Magenta	31
2013	Lavender Accent	48
2014	Lilac	37
2015	Purple Fusion	12
2020	Sky Blue	39
2021	Sea Blue	39
2022	Cyan	33
2023	Light Blue Green	30
2024	Primary Blue	24
2025	Medium Red Blue	15
2026	Deep Purple	16
2027	Peacock Blue	53
2028	Mediterranean Blue	20
2029	Boost Blue	51
2040	Light Yellow Green	64
2041	Fern Green	47
2042	Turquoise	35
2043	Primary Green	31
2044	Industrial Green	64
2050	Yellow	80
2051	Amber	71
2052	Amber Blush	38
2053	Bastard Amber	71
2054	Goldenrod	63
2055	Bright Straw	56
2060	Medium Orange	51
2061	Orange	44
2070	Flame Red	27
2071	Primary Red	25



Submitted By 16500, INC

Catalog Number LX2060-L19 15-90 CO S1 CT1-DX 120 S

Notes

Lighting Services Inc LumeLEX SERIES

LX2060 · 120/277V · LUMENETIX-ARAYA · 19MM



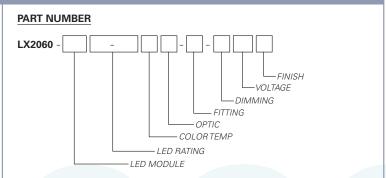
Elegant fixture designed specifically for the most demanding architecture applications.

- Designed for the Lumenetix-araya Color Tuning LED module up to 29 Watts
- Extremely tight color consistency (less than 2 MacAdam Ellipses, ± 0.002 DUV), (2000K to 6000K at 2 SDCM)
- System efficiency up to 42 lumens/watt
- On board closed loop feedback compensates each channel for thermal and optical depreciation.
- 50,000 hour life to 70% lumen output, L70 at 95°F max ambient
- Tunable white from 1650K to 8000K
- Full color tuning and gradients of saturated colors
- Color Rendering Index (CRI) of 90+ from 2000K to 6000K
- 1500 produced lumens
- Tested to LM79 and LM80 Protocols
- Choice of dimming down to 1%. Compatible with 2 zones for 0-10V
- 0-10V with the ability to control intensity and CCT simultaneously
- Compatible with DMX and RDM
- Uses the following four DMX channels: Dimming, CCT, Saturation, and Hue
- Field interchangeable optics (15°-60°) modify the beam spread distribution
- Accessory holder accepts up to two size-AA LSI filters and accessories
- · Finishes: LSI Black, White, and Silver
- Fixture weight: 3.5 lbs
- All modules are field replaceable

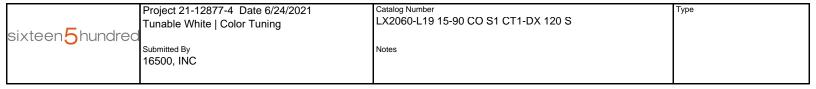
FIXTURE PART NUMBERS

Please review the **ORDERING INFORMATION** section on the next page as well as the **MOUNTING OPTIONS** on page 3 to create a part number for each fixture that specifies the following:

- LED Module
- LED Rating
- Color Temperature
- Optic (mm/beam spread)
- Fitting/Controls (Dimming)
- Voltage
- Finish

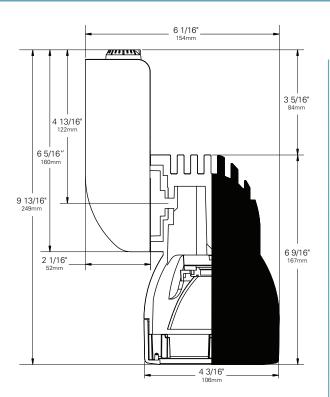


Example Part Number: **LX2060-L1915-90DWM9-CT1-DX120W** is a fixture with a Lumenetix-araya 19mm LED module, 1500 Lumen/90 CRI/29 Watt LED rating, Dynamic White (1650° - 8000°K) Color Temperature, 70mm 20° Optic, CT1 CONTROLTrack fitting with DMX Address knobs and DMX compatible control gear, 120V and a White finish.



Lighting Services Inc LumeLEX SERIES

LX2060 · 120/277V · LUMENETIX-ARAYA · 19MM



ORDERING INFORMATION

Base Fixture Model

□ LX2060-L19

LED Rating (Lumens/CRI/Wattage)

□ 15-90 = 1500/90/29

Color Temperature

- ☐ DW= Dynamic White 1650-8000K*
- ☐ CO= Full Color and Dynamic White 1650-8000K

Optic

- \square S1 = 50mm/15°
- \square M2 = 70mm/ 20° \square M4 = 70mm/ 35°
- \square M6 = 70mm/ 60° \square M8 = 70mm/ 40° Wide Field Angle
- ☐ M9 = 70mm/ 20° Wide Field Angle

Fitting/Controls (Dimming)

- ☐ CT1-10 = CONTROLTrack Fitting & 0-10V (1%)*
- ☐ CT1-DX = CONTROLTrack Fitting & DMX (<1%)
- □ 5A-10 = Canopy Fitting & 0-10V (1%)*
- \Box 5A-DX = Canopy Fitting & DMX (<1%)

Voltage

 \Box 120 = 120V \Box 230 = 220-240V \Box 277 = 277V

Finish

 \square B = Black \square W = White \square S = Silver

Example Part Number:

LX2060-L19 15-90 DW M9 - CT1-DX 120 W Leb COUR OPTIC FITTING VOLTAGE FINISH

Other Options (Consult Factory):

- Custom Stems, specify length (4"-48")
- Custom color, RAL palette

^{*0-10}V Available in Dynamic White only.



Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

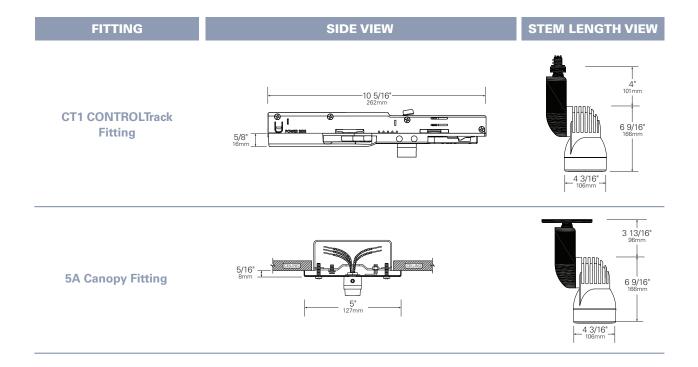
Submitted By 16500, INC Catalog Number LX2060-L19 15-90 CO S1 CT1-DX 120 S

Note

LumeLEX SERIES

Туре

LX2060 · MOUNTING OPTIONS





Submitted By 16500, INC Catalog Number LX2060-L19 15-90 CO S1 CT1-DX 120 S

Notes

Lighting Services Inc LumeLEX SERIES

LX2060 PERFORMANCE

The performance characteristics of the LumeLEX family of products can be customized based on the LED module and the optic (reflector) selected.

Each available LED module is defined by four characteristics – module type (dynamic white vs full color), control type (0-10V and DMX), the power that it uses (watts), and its "available lumens." Note that available lumens is a theoretical value that represents the light output of the module on its own – no fixture or optic attached.

In the LSI part number, the LED module is specified with a letter and a number that immediately follow the product series number. For example, in the part number LX2060-L1915-90COM2-CT1-DX120B, the "15-90CO" represents a 19mm Lumenetix-araya module with an output of 1500 Lumens, a minimum CRI of 90, with full color tuning and power usage of 29 Watts

The available optics (reflectors) are characterized by size, beam angle, and in some cases the characteristics of the field angle (narrow or wide). The optic is specified by the two characters that follow the LED designation in the part number. For example, the "M2" in LX2060-L1915-90COM2-CT1-DX120B is a 70mm diameter optic that has a 20-Degree beam with a narrow field.

Additional parameters, such as Center Beam Candle Power (CBCP), Delivered Lumens, and Efficiency (Lumens per Watt) are all shown in a table that is organized by LED module and optic combination.

CBCP = Center Beam Candle Power						
LED Module	Optic (Reflector)					
Lumens/CRI/Wattage	S 1	M2	M4	M6	M8	M9
1500/90/29	2795	4,066	2,723	1,458	2,157	3,946

Delivered Lumens	;					
LED Module		О	ptic (Refl	ector)		
Lumens/CRI/Wattage	S1	M2	M4	M6	M8	M9
1500/90/29	396	473	819	1,181	1,211	1,214

Efficiency = Lume	ns Per	Watt				
LED Module	Optic (Reflector)					
Lumens/CRI/Wattage	S1	M2	M4	M6	M8	M9
1500/90/29	14	16	28	41	42	42

Absolute range of values are +/- 10% of typical value, and are for all color temperatures

LED Module Lumens/CRI/Wattage Letter Code	1500/90/29 15-90
Nominal Fixture Power (+/- 20%), Watts	29
Maximum Inrush Current, Amps	10
Minimum Power Factor	0.92

Inrush current is instantaneous current drawn by the LED only when fixture is initially powered on or instantaneously changed from full dim to full bright. For more details see Dimming Application Sheet, IS-0119.



Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

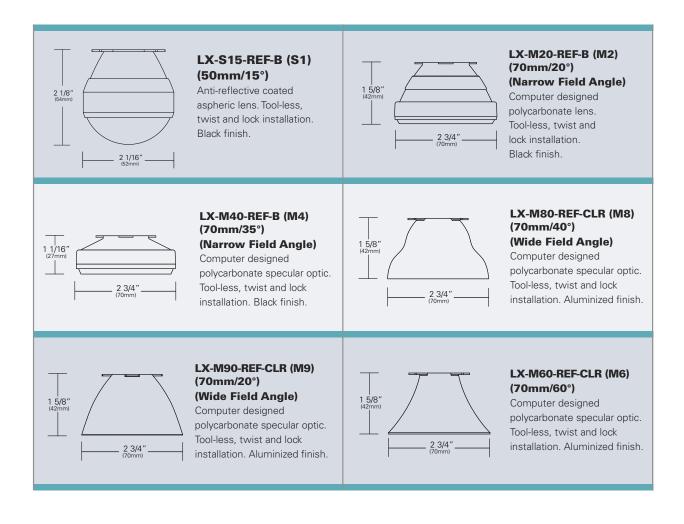
Submitted By 16500, INC Catalog Number LX2060-L19 15-90 CO S1 CT1-DX 120 S

Notes

LumeLEX SERIES

Туре

LX2060 · OPTICS





Catalog Number LX2060-L19 15-90 CO S1 CT1-DX 120 S

Votes

Туре

Lighting Services Inc LumeLEX SERIES

LX2060 PHOTOMETRIC DATA

	IG: 15-90	

S1- 50mm DIA Optic (NFA: Narrow Field Angle) Beam Spread (minimum) Center Beam Candlepower CRI	15° 2795 90
M2-70mm DIA Optic (FR: Field Reducer) Beam Spread (minimum) Center Beam Candlepower CRI	20° 4066 90
M9- 70mm DIA Optic (NFA: Narrow Field Angle) Beam Spread (minimum) Center Beam Candlepower CRI	20° 3946 90
M4-70mm DIA Optic (NFA: Narrow Field Angle) Beam Spread (minimum) Center Beam Candlepower CRI	35° 2723 90
M8-70mm DIA Optic (WFA: Wide Field Angle) Beam Spread (minimum) Center Beam Candlepower CRI	40° 2157 90
M6-70mm DIA Optic (WFA: Wide Field Angle) Beam Spread (minimum) Center Beam Candlepower CRI	60° 1458 90

LED RATING: 15-90

	M6	M8	M4	M9	M2	S1	All Distances in Feet
	(60°) NFA	(40°) WFA	(35°) NFA	(20°) WFA	(20°) NFA	(15°) NFA	6 4 2 0 2 4 6
	1458	2157	2723	3946	4066	2795	1
	365	539	681	987	1017	699	
.8	162	240	303	438	452	311	3
Axis	91	135	170	247	254	175	4
eam	58	86	109	158	163	112	5
9	41	60	76	110	113	78	6
<u>m</u>	30	44	56	81	83	57	7
.0	23	34	43	62	64	44	8
at	18	27	34	49	50	35	9
Footcandles	15	22	27	39	41	28	10
pu	12	18	23	33	34	23	11
g	10	15	19	27	28	19	12
ot	9	13	16	23	24	17	13
R.	7	11	14	20	21	14	14
Мах.	6	10	12	18	18	12	15
<u>8</u>	6	8	11	15	16	11	16
₹ E	5	7	9	14	14	10	17
<	5	7	8	12	13	9	18
	4	6 5	8 7	11 10	11 10	8 7	19
	3			9			20
	3	5 4	6 6	8	9 8	6 6	21
	3	4	5	o 7	8	5	22
	3	4	5	7	7	5	23
	2	3	4	6	7	4	24
	2	3	4	О	/	4	25

Photometric Data based on LED Rating: 15-90 (1500 Lumens/90CRI/29watts) *WFA Optics not represented in graph



Submitted By 16500, INC Catalog Number LX2060-L19 15-90 CO S1 CT1-DX 120 S

LumeLEX SERIES

Туре

Lighting Services Inc

LX2060 · ACCESSORIES



SPREAD LENSES AND BEAM SOFTENER

No.	Description	Transmission
A990	Spread Lens/Clear	83 (5°X 50°)
A992	Spread Lens/Clear	85 (5°X 30°)
A995	Spread Lens/Clear	83 (50°X 50°)
A996	Spread Lens/Clear	86 (45°X 50°)
A998	Beam Softener/Clear	80 (45°X 45°)



'LIGHT BLOCKING SCREENS A

Stainless steel mesh screens used alone or in combinations will block from approximately 20% to 90% of the transmitted light without changing color temperature of the light.

No.	% of	Light	Blocked
A801S		20	
A802S		30	
A803S		40	



LOUVER HEX A

1/8" thick Hexcell black metal louver used for thin profile. Black finish.

^{1.} Figures vary based upon LED Module/Optic being used and relationship of screen(s) to LED Module/Optic and to each other.



Catalog Number LX2060-L19 15-90 CO S1 CT1-DX 120 S

Lighting Services Inc

COLOR MEDIA

COLOR FILTERS

As the foremost innovator in accent lighting, LSI offers a complete range of permanent fade-free glass color filters, which are available in nine stock diameters. All glass color filters are rimmed in a seamless aluminum ring and are slotted for heat expansion.



Size	Diameter	LSI Fixture Series
AAA	2 3/8"	LumeLEX® 2020/2030/2031/2038, SSLCX16, SSL260, LumeLEX MAR-S
ZM	2 13/16"	LZ ZOOM
AA	3"	LumeLEX® 2044, LumeLEX 2048
А	3 1/2"	LumeLEX® 2060, SSL230, SSLCX30, SSLGR30CL
В	4 1/4"	LumeLEX® MAR-L
С	4 3/4"	290, LumeLEX® 2084, LumeLEX® 2088, SSL238, SSLCX36, SSLCX38, SSLGR38CL

		¹% of Light
No.	Color	Transmission
902	Medium Pink	36
903	Deep Pink	37
904	Flesh Pink	73
906	Pale Lavender	14
907	Surprise Pink	19
908	Lilac	21
910	Warm Red	10
911	Strawberry	6
912	Ruby	4
913	Magenta	1
914	Light Amethyst	25
915	Medium Amethyst	16
916	Deep Amethyst	4
917	Olive	18
918	Light Green	68
920	Medium Green	25
921	Deep Green	7
922	Silver green	65
923	Yellow Green	49
924	Emerald Green	12
925	Light Turquoise	68
926	Medium Turquoise	40
927	Deep Turquoise	17
928	Light Blue	34
930 932	Medium Blue	3 59
933	Daylight Gene Moore Blue	18
936	Grey	56
937	Light Blue Green	17
939	Light Amber	68
940	Medium Amber	48
941	Deep Amber	43
942	Straw	78
943	Gold	87
944	Canary Yellow	84
945	Lemon	81
946	Pumpkin	32
947	Tangerine	20
948	Orange	23
949	Pink Gold	54
950	Bronze	48
951	Brass	11
952	Autumn Tan	11
953	Leaf Brown	19
954	Butter Pecan	3
955	Toasted Almond	1

^{1.} Values given are approximate due to slight variations in glass color and thickness.



Submitted By 16500, INC

Catalog Number LX2060-L19 15-90 CO S1 CT1-DX 120 S

Notes

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Lighting Services Inc

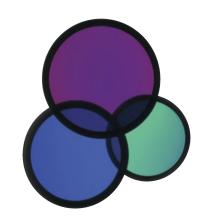
COLOR MEDIA

DICHROIC COLOR FILTERS

In addition to our complete line of glass color filters, LSI now offers dichroic glass color filters that achieve purer, more saturated, richer color by selective wavelength transmission. Since these filters reflect rather than absorb the unwanted color wavelengths, a higher intensity of colored light can be obtained with fewer or lower wattage fixtures. In addition, this selective transmission allows for very accurate color matching from filter to filter.

All standard LSI filter sizes are available in a wide palette of well chosen dichroic colors that can be used with all LSI fixtures that accept accessories.

LSI dichroic glass color filters have the added benefit of being rimmed for extra durability to allow for frequent usage without fear of breakage or edge chipping.



Size	Diameter	LSI Fixture Series
AAA	2 3/8"	LumeLEX® 2020/2030/2031/2038, SSLCX16, SSL260, LumeLEX MAR-S
ZM	2 13/16"	LZ ZOOM
AA	3"	LumeLEX® 2044, LumeLEX 2048
А	3 1/2"	LumeLEX® 2060, SSL230, SSLCX30, SSLGR30CL
В	4 1/4"	LumeLEX® MAR-L
С	4 3/4"	290, LumeLEX® 2084, LumeLEX® 2088, SSL238, SSLCX36, SSLCX38, SSLGR38CL

Technical Data

Dichroic color filters are created in a vacuum chamber by multi-layer vapor deposits of different minerals onto low expansion, chemically resistant Borosilicate glass.

Deposits are made in alternating layers of varying microscopic thickness which allow very narrow color wavelengths to be selectively transmitted and all other wavelengths to be reflected.

LSI does not recommend using dichroic color filters with lamps or fixtures that have beam spreads greater than 40° because a secondary color aura is created by the wide angular transmitted wavelengths that are different than the desired color wavelength.

Since there is mainly transmission and reflection of the color wavelengths by the dichroic filter and very little absorption, the dichroic filter can be used with many high temperature lights that normally would not accept color filters.

No.	Color	% of Light Transmission
2001	Light Pink	69
2002	Medium Pink	43
2003	Hot Pink	11
2004	Pale Pink	55
2010	Deep Magenta	29
2011	Lavender	24
2012	Vivid Magenta	31
2013	Lavender Accent	48
2014	Lilac	37
2015	Purple Fusion	12
2020	Sky Blue	39
2021	Sea Blue	39
2022	Cyan	33
2023	Light Blue Green	30
2024	Primary Blue	24
2025	Medium Red Blue	15
2026	Deep Purple	16
2027	Peacock Blue	53
2028	Mediterranean Blue	20
2029	Boost Blue	51
2040	Light Yellow Green	64
2041	Fern Green	47
2042	Turquoise	35
2043	Primary Green	31
2044	Industrial Green	64
2050	Yellow	80
2051	Amber	71
2052	Amber Blush	38
2053	Bastard Amber	71
2054	Goldenrod	63
2055	Bright Straw	56
2060	Medium Orange	51
2061	Orange	44
2070	Flame Red	27
2071	Primary Red	25



Catalog Number

LX2048-L19 10-90 CO S1 CT1-DX 120 S

Туре

Lighting Services Inc LumeLEX SERIES

LX2048 · 120/277V · LUMENETIX-ARAYA 19MM



Elegant fixture designed specifically for the most demanding architecture applications.

- Designed for the Lumenetix-araya Color Tuning LED module up to 22 Watts
- Extremely tight color consistency (less than 2 MacAdam Ellipses, ± 0.002 DUV), (2000K to 6000K at 2 SDCM)
- System efficiency up to 42 lumens/watt
- On board closed loop feedback compensates each channel for thermal and optical depreciation.
- 50,000 hour life to 70% lumen output, L70 at 95°F max ambient
- Tunable white from 1650K to 8000K
- Full color tuning and gradients of saturated colors
- Color Rendering Index (CRI) of 90+ from 2000K to 6000K
- 1000 produced lumens
- Tested to LM79 and LM80 Protocols
- Choice of dimming down to 1%. Compatible with 2 zones for 0-10V
- 0-10V with the ability to control intensity and CCT simultaneously
- Compatible with DMX and RDM
- Uses the following four DMX channels: Dimming, CCT, Saturation, and Hue
- Field interchangeable optics (15°- 60°) modify the beam spread distribution
- Accessory holder accepts up to two size-AA LSI filters and accessories
- · Finishes: LSI Black, White, and Silver
- Fixture weight: 3.5 lbs
- All modules are field replaceable
- Fixed center stem
- Maximum stem length is 48"

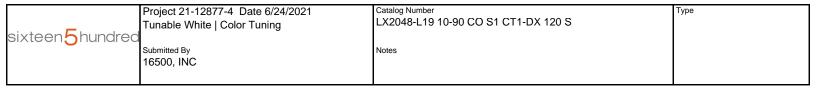
FIXTURE PART NUMBERS

Please review the **ORDERING INFORMATION** section on the next page as well as the MOUNTING OPTIONS on page 3 to create a part number for each fixture that specifies the following:

- LED Module
- LED Rating
- Color Temperature
- Optic (mm/beam spread)
- Fitting/Controls (Dimming)
- Voltage
- Finish

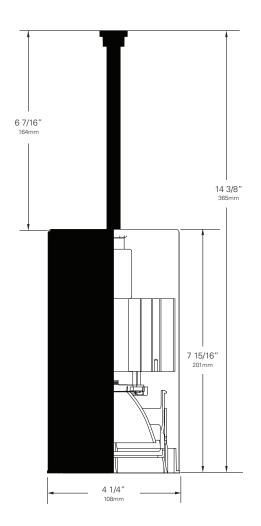
PART NUMBER LX2048 -FINISH VOI TAGE -DIMMING FITTING - OPTIC - COLOR TEMP - LED RATING LED MODULE

Example Part Number: LX2048-L1910-90DWM9-CT1-10120W is a fixture with a Lumenetix-araya 19mm LED module, 1000 Lumen/90 CRI/20 Watt LED rating, Dynamic White (1650° - 8000°K) Color Temperature, 70mm 20° Optic, CT1 CONTROLTrack fitting with 0-10V compatible control gear, 120V and a White finish.



Lighting Services Inc LumeLEX SERIES

LX2048 · 120/277V · LUMENETIX-ARAYA 19MM



ORDERING INFORMATION Base Fixture Model □ LX2048-L19 LED Rating (Lumens/CRI/Wattage) \Box 10-90 = 1000/90/22 **Color Temperature** ☐ DW= Dynamic White 1650-8000K* □CO= Full Color and Dynamic White 1650-8000K (DMX Dimming only) \square S1 = 50mm/15° \square M2 = 70mm/ 20° \square M4 = 70mm/35° \square M6 = 70mm/ 60° \square M8 = 70mm/ 40° Wide Field Angle ☐ M9 = 70mm/ 20° Wide Field Angle Fitting/Controls (Dimming) ☐ CT1-10 = CONTROLTrack Fitting & 0-10V (1%)* ☐ CT1-DX = CONTROLTrack Fitting & DMX (<1%) \Box 5A-10 = Canopy Fitting & 0-10V (1%)* ☐ 5A-DX = Canopy Fitting & DMX (<1%) Voltage \square 120 = 120V \square 230 = 220-240V \square 277 = 277V **Finish** \square B = Black \square W = White \square S = Silver **Example Part Number:** LX2048-L19 10-90 DW M9 - CT1-10 120 W

Other Options (Consult Factory):

• Custom Stems, specify length (4"- 48")

LED RATING COLOR

FITTING/ DIMMING

• Custom color, RAL palette

^{*0-10}V available in Dynamic White only.



Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

Tunable White | Color Tuning
Submitted By
16500, INC

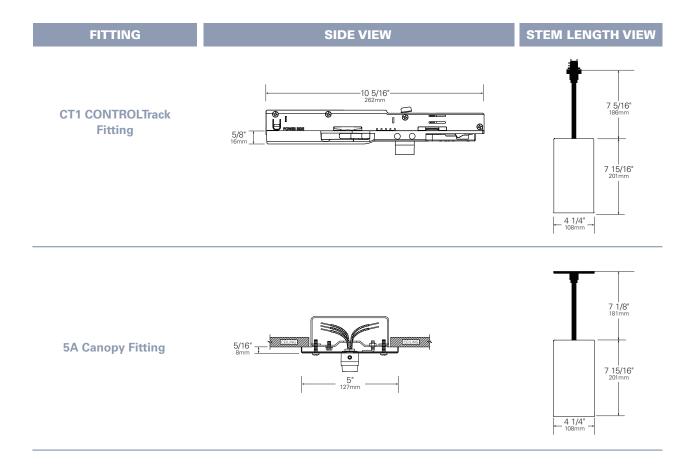
Catalog Number LX2048-L19 10-90 CO S1 CT1-DX 120 S

Notes

LumeLEX SERIES

Туре

LX2048 · MOUNTING OPTIONS





Submitted By 16500, INC Catalog Number LX2048-L19 10-90 CO S1 CT1-DX 120 S

Notes

Lighting Services Inc LumeLEX SERIES

LX2048 PERFORMANCE

The performance characteristics of the LumeLEX family of products can be customized based on the LED module and the optic (reflector) selected.

Each available LED module is defined by four characteristics – module type (dynamic white vs full color), control type (0-10V and DMX), the power that it uses (watts), and its "available lumens." Note that available lumens is a theoretical value that represents the light output of the module on its own – no fixture or optic attached.

In the LSI part number, the LED module is specified with a letter and a number that immediately follow the product series number. For example, in the part number LX2048-L1910-90COM2-CT1-DX120B, the "10-90CO" represents a 19mm Lumenetix-araya module with an output of 1000 Lumens, a minimum CRI of 90, with full color tuning and power usage of 22 Watts.

The available optics (reflectors) are characterized by size, beam angle, and in some cases the characteristics of the field angle (narrow or wide). The optic is specified by the two characters that follow the LED designation in the part number. For example, the "M2" in LX2048-L1910-90COM2-CT1-DX120B is a 70mm diameter optic that has a 20-Degree beam with a narrow field.

Additional parameters, such as Center Beam Candle Power (CBCP), Delivered Lumens, and Efficiency (Lumens per Watt) are all shown in a table that is organized by LED module and optic combination.

CBCP = Center Beam Candle Power						
LED Module		Optic (Reflector)				
Lumens/CRI/Wattage	S1 M2 M4 M6 M8 M9					
1000/90/22	2,070	3,012	2,017	1,080	1,598	2,923

Delivered Lumens						
LED Module		Optic (Reflector)				
Lumens/CRI/Wattage	S1	M2	M4	M6	M8	M9
1000/90/22	293	350	607	875	897	899

Efficiency = Lumens Per Watt						
LED Module	Optic (Reflector)					
Lumens/CRI/Wattage	S1 M2 M4 M6 M8 M9					
1000/90/22	13	16	28	40	41	41

Absolute range of values are +/- 10% of typical value, and are for all color temperatures

LED Module Lumens/CRI/Wattage Letter Code	1000/90/22 10-90
Nominal Fixture Power (+/- 20%), Watts	22
Maximum Inrush Current, Amps	10
Minimum Power Factor	0.92

Inrush current is instantaneous current drawn by the LED only when fixture is initially powered on or instantaneously changed from full dim to full bright. For more details see Dimming Application Sheet, IS-0119.



Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

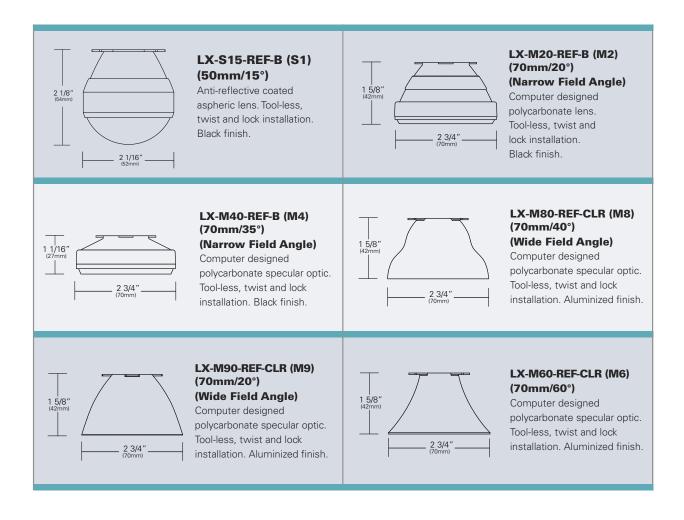
Submitted By 16500, INC Catalog Number LX2048-L19 10-90 CO S1 CT1-DX 120 S

Notes

LumeLEX SERIES

Туре

LX2048 OPTICS





Catalog Number LX2048-L19 10-90 CO S1 CT1-DX 120 S

Туре

Notes

Lighting Services Inc LumeLEX SERIES

LX2048 PHOTOMETRIC DATA

LED RATING: 10-90	
S1- 50mm DIA Optic Beam Spread (minimum) Center Beam Candlepower CRI	15° 2070 90
M2-70mm DIA Optic (NFA: Narrow Field Angle) Beam Spread (minimum) Center Beam Candlepower CRI	20° 3012 90
M9- 70mm DIA Optic (WFA: Wide Field Angle) Beam Spread (minimum) Center Beam Candlepower CRI	20° 2923 90
M4- 70mm DIA Optic (NFA: Narrow Field Angle) Beam Spread (minimum) Center Beam Candlepower CRI	35° 2017 90
M8- 70mm DIA Optic (WFA: Wide Field Angle) Beam Spread (minimum) Center Beam Candlepower CRI	40° 1598 90
M6- 70mm DIA Optic (NFA: Narrow Field Angle) Beam Spread (minimum) Center Beam Candlepower CRI	60° 1080 90

LED	RATING: 10-90						
	M6 (60°) NFA	M8 (40°) WFA	M4 (35°) NFA	M9 (20°) WFA	M2 (20°) NFA	S1 (15°)	All Distances in Feet 6 4 2 0 2 4 6
	1080	1598	2017	2923	3012	2070	1
	270	400	504	731	753	518	2
S	120	178	224	325	335	230	3
Š	68	100	126	183	188	129	4
Ε	43	64	81	117	120	83	5
Beam Axis	30	44	56	81	84	58	6
<u> </u>	22	33	41	60	61	42	7
0	17	25	32	46	47	32	8
at	13	20	25	36	37	26	9
Footcandles	11	16	20	29	30	21	10
둳	9	13	17	24	25	17	11
ä	8	11	14	20	21	14	12
otc	6	9	12	17	18	12	13
Ğ	6	8	10	15	15	11	14
- -	5	7	9	13	13	9	15
Мах.	4	6	8	11	12	8	16
	4	6	7	10	10	7	17
A	3	5	6	9	9	6	18
	3	4	6	8	8	6	19
	3	4	5	7	8	5	20
	2	4	5	7	7	5	21
	2	3	4	6	6	4	22
	2	3	4	6	6	4	23
	2	3	4	5	5	4	24
	2	3	3	5	5	3	25

Photometric Data based on LED Rating: 10-90 (1000 Lumens/90CRI/22watts) *WFA Optics not represented in graph



Submitted By 16500, INC

Catalog Number LX2048-L19 10-90 CO S1 CT1-DX 120 S

LumeLEX SERIES

Туре

Lighting Services Inc

LX2048 · ACCESSORIES



SPREAD LENSES AND BEAM SOFTENER

No.	Description	Transmission
AA990	Spread Lens/Clear	83 (5°X 50°)
AA992	Spread Lens/Clear	85 (5°X 30°)
AA995	Spread Lens/Clear	83 (50°X 50°)
AA996	Spread Lens/Clear	86 (45°X 50°)
AA998	Beam Softener/Clear	80 (45°X 45°)



LOUVER HEX AA

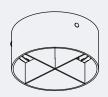
1/8" thick Hexcell black metal louver used for thin profile. Black finish.



'LIGHT BLOCKING SCREENS AA

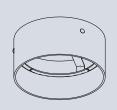
Stainless steel mesh screens used alone or in combinations will block from approximately 20% to 90% of the transmitted light without changing color temperature of the light.

No.	% of Light Blocked
AA801S	20
AA802S	30
AA803S	40



HOOD-EXT-LX44-WXB-X

Cylindrical metal hood controls spill light and glare. Includes cross baffle. Specify finish.



HOOD-EXT-LX44-NXB-X

Cylindrical metal hood controls spill light and glare. Does not include cross baffle. Specify finish.

^{1.} Figures vary based upon LED Module/Optic being used and relationship of screen(s) to LED Module/Optic and to each other.



Catalog Number LX2048-L19 10-90 CO S1 CT1-DX 120 S

Туре

Submitted By 16500, INC

Lighting Services Inc

COLOR MEDIA

COLOR FILTERS

As the foremost innovator in accent lighting, LSI offers a complete range of permanent fade-free glass color filters, which are available in nine stock diameters. All glass color filters are rimmed in a seamless aluminum ring and are slotted for heat expansion.



Size	Diameter	LSI Fixture Series
AAA	2 3/8"	LumeLEX® 2020/2030/2031/2038, SSLCX16, SSL260, LumeLEX MAR-S
ZM	2 13/16"	LZ ZOOM
AA	3"	LumeLEX® 2044, LumeLEX 2048
А	3 1/2"	LumeLEX® 2060, SSL230, SSLCX30, SSLGR30CL
В	4 1/4"	LumeLEX® MAR-L
С	4 3/4"	290, LumeLEX® 2084, LumeLEX® 2088, SSL238, SSLCX36, SSLCX38, SSLGR38CL

		¹% of Light
No.	Color	Transmission
902	Medium Pink	36
903	Deep Pink	37
904	Flesh Pink	73
906	Pale Lavender	14
907	Surprise Pink	19
908	Lilac	21
910	Warm Red	10
911	Strawberry	6
912	Ruby	4
913	Magenta	1
914	Light Amethyst	25
915	Medium Amethyst	16
916	Deep Amethyst	4
917	Olive	18
918	Light Green	68
920	Medium Green	25
921	Deep Green	7
922	Silver green	65
923	Yellow Green	49
924	Emerald Green	12
925	Light Turquoise	68
926	Medium Turquoise	40
927	Deep Turquoise	17
928	Light Blue	34
930 932	Medium Blue	3 59
933	Daylight Gene Moore Blue	18
936	Grey	56
937	Light Blue Green	17
939	Light Amber	68
940	Medium Amber	48
941	Deep Amber	43
942	Straw	78
943	Gold	87
944	Canary Yellow	84
945	Lemon	81
946	Pumpkin	32
947	Tangerine	20
948	Orange	23
949	Pink Gold	54
950	Bronze	48
951	Brass	11
952	Autumn Tan	11
953	Leaf Brown	19
954	Butter Pecan	3
955	Toasted Almond	1

Notes:

^{1.} Values given are approximate due to slight variations in glass color and thickness.



Submitted By 16500, INC Catalog Number LX2048-L19 10-90 CO S1 CT1-DX 120 S

Notes

Lighting Services Inc

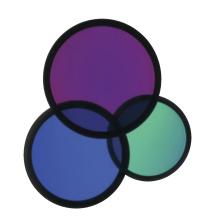
COLOR MEDIA

DICHROIC COLOR FILTERS

In addition to our complete line of glass color filters, LSI now offers dichroic glass color filters that achieve purer, more saturated, richer color by selective wavelength transmission. Since these filters reflect rather than absorb the unwanted color wavelengths, a higher intensity of colored light can be obtained with fewer or lower wattage fixtures. In addition, this selective transmission allows for very accurate color matching from filter to filter.

All standard LSI filter sizes are available in a wide palette of well chosen dichroic colors that can be used with all LSI fixtures that accept accessories.

LSI dichroic glass color filters have the added benefit of being rimmed for extra durability to allow for frequent usage without fear of breakage or edge chipping.



0:	D:	LOI Fintene Contro
Size	Diameter	LSI Fixture Series
AAA	2 3/8"	LumeLEX® 2020/2030/2031/2038,
		SSLCX16, SSL260,
		LumeLEX MAR-S
ZM	2 13/16"	LZ ZOOM
AA	3"	LumeLEX® 2044,
		LumeLEX 2048
Α	3 1/2"	LumeLEX® 2060,
		SSL230, SSLCX30,
		SSLGR30CL
В	4 1/4"	LumeLEX® MAR-L
С	4 3/4"	290, LumeLEX® 2084,
		LumeLEX® 2088,
		SSL238, SSLCX36,
		SSLCX38, SSLGR38CL

Technical Data

Dichroic color filters are created in a vacuum chamber by multi-layer vapor deposits of different minerals onto low expansion, chemically resistant Borosilicate glass.

Deposits are made in alternating layers of varying microscopic thickness which allow very narrow color wavelengths to be selectively transmitted and all other wavelengths to be reflected.

LSI does not recommend using dichroic color filters with lamps or fixtures that have beam spreads greater than 40° because a secondary color aura is created by the wide angular transmitted wavelengths that are different than the desired color wavelength.

Since there is mainly transmission and reflection of the color wavelengths by the dichroic filter and very little absorption, the dichroic filter can be used with many high temperature lights that normally would not accept color filters.

No.	Color	% of Light Transmission
2001	Light Pink	69
2002	Medium Pink	43
2003	Hot Pink	11
2004	Pale Pink	55
2010	Deep Magenta	29
2011	Lavender	24
2012	Vivid Magenta	31
2013	Lavender Accent	48
2014	Lilac	37
2015	Purple Fusion	12
2020	Sky Blue	39
2021	Sea Blue	39
2022	Cyan	33
2023	Light Blue Green	30
2024	Primary Blue	24
2025	Medium Red Blue	15
2026	Deep Purple	16
2027	Peacock Blue	53
2028	Mediterranean Blue	20
2029	Boost Blue	51
2040	Light Yellow Green	64
2041	Fern Green	47
2042	Turquoise	35
2043	Primary Green	31
2044	Industrial Green	64
2050	Yellow	80
2051	Amber	71
2052	Amber Blush	38
2053	Bastard Amber	71
2054	Goldenrod	63
2055	Bright Straw	56
2060	Medium Orange	51
2061	Orange	44
2070	Flame Red	27
2071	Primary Red	25



Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

Submitted By 16500, INC Catalog Number LX2088-L19 50-90 CO X2 CT1-DX 120 S

Notes

LumeLEX Series

Туре

LX2088 · 120/277V · LUMENETIX-ARAYA · 32MM



Elegant fixture designed specifically for the most demanding architecture applications.

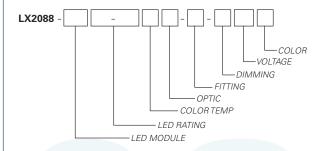
- Designed for the Lumenetix-araya Color Tuning LED module up to 67 Watts
- Extremely tight color consistency (less than 2 MacAdam Ellipses, ± 0.002 DUV), (2000K to 6000K at 2 SDCM)
- System efficiency up to 63 lumens/watt
- On board closed loop feedback compensates each channel for thermal and optical depreciation.
- 50,000 hour life to 70% lumen output, L70 at 95°F max ambient
- Tunable white from 1650K to 8000K
- Full color tuning and gradients of saturated colors
- Color Rendering Index (CRI) of 90+ from 2000K to 6000K
- 4250 produced lumens
- Tested to LM79 and LM80 Protocols
- Choice of dimming down to 1%. Compatible with 2 zones for 0-10V
- 0-10V with the ability to control intensity and CCT simultaneously
- Compatible with DMX and RDM
- Uses the following four DMX channels: Dimming, CCT, Saturation, and Hue
- Field interchangeable optics (24°-55°) modify the beam spread distribution
- Accessory holder accepts up to three size-C LSI filters and accessories
- Finishes: LSI Black, White, and Silver
- Fixture weight: 8 lbs
- All modules are field replaceable
- Fixed center stem
- Maximum stem length is 12"

FIXTURE PART NUMBERS

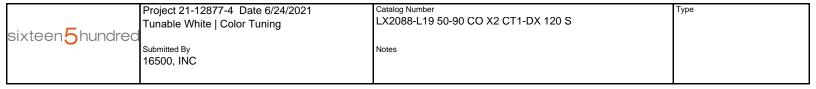
Please review the **ORDERING INFORMATION** section on the next page as well as the **MOUNTING OPTIONS** on page 3 to create a part number for each fixture that specifies the following:

- LED Module
- LED Rating
- Color Temperature
- Optic mm/beam spread
- Fitting/Controls (Dimming)
- Voltage
- Finish

PART NUMBER

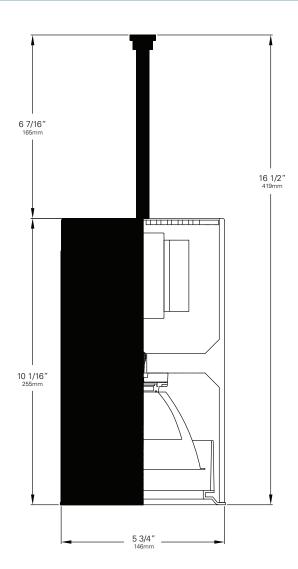


Example Part Number: **LX2088-L3250-90DWX2-CT1-10120W** is a fixture with a Lumenetix-araya 32mm LED module, 5000 Lumen/90 CRI/67 Watt LED rating, Dynamic White (1650 - 8000K) Color Temperature, 111mm 24° Optic, CT1 CONTROLTrack fitting with 0-10V compatible control gear, 120V and a White finish.



Lighting Services Inc LumeLEX Series

LX2088 · 120/277V · LUMENETIX-ARAYA · 32MM



ORDERING INFORMATION

Base Fixture Model

☐ LX2088-L32

LED Rating (Lumens/CRI/Wattage)

□ 50-90 = 5000/90/67

Color Temperature

- ☐ DW= Dynamic White 1650-8000K*
- ☐ CO= Full Color and Dynamic White 1650-8000K (DMX Dimming only)

Optic

- \square X2 = 111mm/ 24°
- \square X4 = 111mm/ 40°
- \Box X5 = 111mm/55°

Fitting/Controls (Dimming)

- ☐ CT1-10 = CONTROLTrack Fitting & 0-10V (1%)*
- \square CT1-DX = CONTROLTrack Fitting & DMX (<1%)
- \Box 5A-10 = Canopy Fitting & 0-10V (1%)*
- \square 5A-DX = Canopy Fitting & DMX (<1%)

Voltage

□ 120 = 120V □ 230 = 220-240V □ 277 = 277V

Finish

 \square B = Black \square W = White \square S = Silver

Example Part Number:

LX2088-L32 50-90 DW X2- CT1-10 120 W

LED COLOR OPTIC DETITING VOLTAGE FINISH

Other Options (Consult Factory):

- Custom Stems, specify length (4"- 12")
- Custom color, RAL palette
- *0-10V available in Dynamic White only.



Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

Submitted By 16500, INC

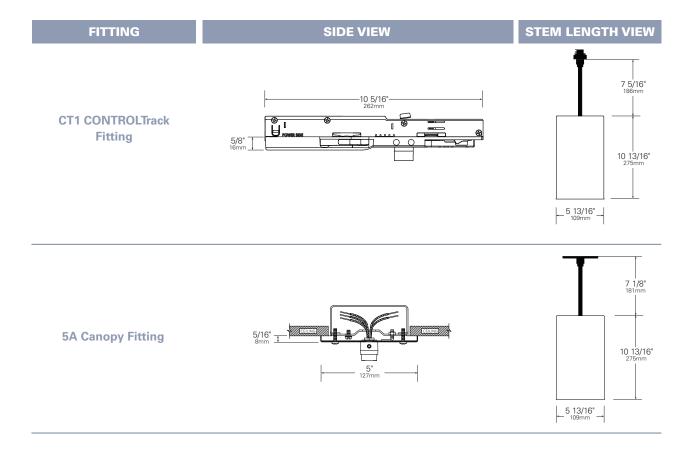
Catalog Number LX2088-L19 50-90 CO X2 CT1-DX 120 S

Notes

LumeLEX Series

Туре

LX2088 · MOUNTING OPTIONS





Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

Submitted By 16500, INC Catalog Number LX2088-L19 50-90 CO X2 CT1-DX 120 S

Notes

LumeLEX Series

Туре

LX2088 · PERFORMANCE

The performance characteristics of the LumeLEX family of products can be customized based on the LED module and the optic (reflector) selected.

Each available LED module is defined by four characteristics – module type (dynamic white vs full color), control type (0-10V and DMX), the power that it uses (watts), and its "available lumens." Note that available lumens is a theoretical value that represents the light output of the module on its own – no fixture or optic attached.

In the LSI part number, the LED module is specified with a letter and a number that immediately follow the product series number. For example, in the part number LX2088-L3250-90DWX2-CT1-10120W, the "50-90CO" represents a 32mm Lumenetix-araya module with an output of 5000 Lumens, a minimum CRI of 90, with Dynamic White color temperature and power usage of 67 Watts.

The available optics (reflectors) are characterized by size, beam angle, and in some cases the characteristics of the field angle (narrow or wide). The optic is specified by the two characters that follow the LED designation in the part number. For example, the "X2" in LX2088-L3250-90DWX2-CT1-10120W is a 111mm diameter optic that has a 24-Degree beam.

Additional parameters, such as Center Beam Candle Power (CBCP), Delivered Lumens, and Efficiency (Lumens per Watt) are all shown in a table that is organized by LED module and optic combination.

CBCP = Center Beam Candle Power					
LED Module Optic (Reflector)					
Lumens/CRI/Wattage	X2	X4	X5		
5000/90/67 26150 10750 5850					

Delivered Lumens				
LED Module	Opt	ic (Refle	ctor)	
Lumens/CRI/Wattage	Х2	X4	X5	
5000/90/67	4000	4150	4250	

Efficacy = Lumens Per Watt				
LED Module Optic (Reflector)				
Lumens/CRI/Wattage	X2	X4	X5	
5000/90/67 60 62 63				

Absolute range of values are +/- 10% of typical value, and are for all color temperatures

LED Module Lumens/CRI/Wattage SKU Code	5000/90/60 50-90
Nominal Fixture Power (+/- 20%), Watts	67
Maximum Inrush Current, Amps	10
Minimum Power Factor	0.92

Inrush current is instantaneous current drawn by the LED only when fixture is initially powered on or instantaneously changed from full dim to full bright. For more details see Dimming Application Sheet, IS-0119.



Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

Submitted By 16500, INC

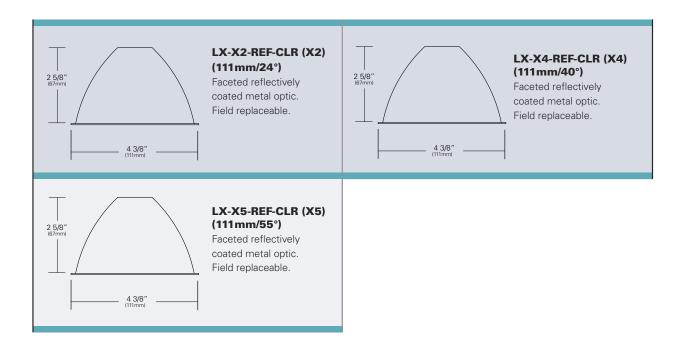
Catalog Number LX2088-L19 50-90 CO X2 CT1-DX 120 S

Notes

LumeLEX Series

Туре

LX2088 OPTICS





Submitted By 16500, INC

Catalog Number LX2088-L19 50-90 CO X2 CT1-DX 120 S

Notes

Туре

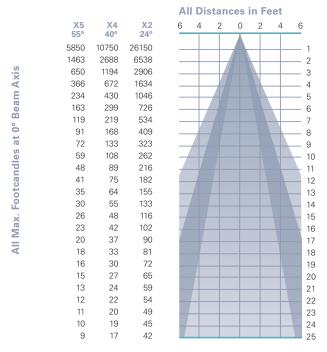
LumeLEX Series Lighting Services Inc

LX2088 PHOTOMETRIC DATA

LED RATING: 50-90

X2- 111mm DIA Optic Beam Spread (minimum) Center Beam Candlepower CRI	24° 26150 90
X4-111mm DIA Optic Beam Spread (minimum) Center Beam Candlepower CRI	40° 10750 90
X5- 111mm DIA Optic Beam Spread (minimum) Center Beam Candlepower CRI	55° 5850 90

LED RATING: 50-90



Photometric Data based on LED Rating: 50-90 (5000 Lumens/90CRI/67watts)

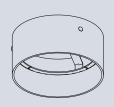


Submitted By 16500, INC Catalog Number LX2088-L19 50-90 CO X2 CT1-DX 120 S

Note

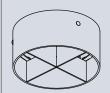
Lighting Services Inc LumeLEX Series

LX2088 · ACCESSORIES



HOOD-EXT-LX84-NXB-X

Cylindrical metal hood controls spill light and glare. Does not include cross baffle. Specify finish.



HOOD-EXT-LX84-WXB-X

Туре

Cylindrical metal hood controls spill light and glare. Includes cross baffle. Specify finish.



SPREAD LENSES AND BEAM SOFTENER

No. Description	Transmission
C990 Spread Lens/Clear	83 (5°X 50°)
C992 Spread Lens/Clear	85 (5°X 30°)
C995 Spread Lens/Clear	83 (50°X 50°)
C996 Spread Lens/Clear	86 (45°X 50°)
C998 Beam Softener/Clea	r 80 (45°X 45°)



¹LIGHT BLOCKING SCREENS C

Stainless steel mesh screens used alone or in combinations will block from approximately 20% to 90% of the transmitted light without changing color temperature of the light.

No.	% O T	Light	RIOCKED
C801S		20	
C802S		30	
C803S		40	



LOUVER HEX C

1/8" thick Hexcell black metal louver used for thin profile. Black finish.

Figures vary based upon LED Module/Optic being used and relationship of screen(s) to LED Module/Optic and to each other.



Catalog Number LX2088-L19 50-90 CO X2 CT1-DX 120 S

Lighting Services Inc

COLOR MEDIA

COLOR FILTERS

As the foremost innovator in accent lighting, LSI offers a complete range of permanent fade-free glass color filters, which are available in nine stock diameters. All glass color filters are rimmed in a seamless aluminum ring and are slotted for heat expansion.



Size	Diameter	LSI Fixture Series
AAA	2 3/8"	LumeLEX® 2020/2030/2031/2038, SSLCX16, SSL260, LumeLEX MAR-S
ZM	2 13/16"	LZ ZOOM
AA	3"	LumeLEX® 2044, LumeLEX 2048
А	3 1/2"	LumeLEX® 2060, SSL230, SSLCX30, SSLGR30CL
В	4 1/4"	LumeLEX® MAR-L
С	4 3/4"	290, LumeLEX® 2084, LumeLEX® 2088, SSL238, SSLCX36, SSLCX38, SSLGR38CL

		¹% of Light
No.	Color	Transmission
902	Medium Pink	36
903	Deep Pink	37
904	Flesh Pink	73
906	Pale Lavender	14
907	Surprise Pink	19
908	Lilac	21
910	Warm Red	10
911	Strawberry	6
912	Ruby	4
913	Magenta	
914 915	Light Amethyst	25 16
916	Medium Amethyst Deep Amethyst	4
917	Olive	18
918		68
920	Light Green Medium Green	25
921	Deep Green	7
922	Silver green	65
923	Yellow Green	49
924	Emerald Green	12
925	Light Turquoise	68
926	Medium Turquoise	40
927	Deep Turquoise	17
928	Light Blue	34
930	Medium Blue	3
932	Daylight	59
933	Gene Moore Blue	18
936	Grey	56
937	Light Blue Green	17
939	Light Amber	68
940	Medium Amber	48
941	Deep Amber	43
942	Straw	78
943	Gold	87
944	Canary Yellow	84
945	Lemon	81
946	Pumpkin	32
947	Tangerine	20
948	Orange	23
949	Pink Gold	54
950	Bronze	48
951	Brass	11
952	Autumn Tan	11
953	Leaf Brown	19
954	Butter Pecan	3
955	Toasted Almond	1

^{1.} Values given are approximate due to slight variations in glass color and thickness.



Submitted By 16500, INC Catalog Number LX2088-L19 50-90 CO X2 CT1-DX 120 S

Notes

Lighting Services Inc

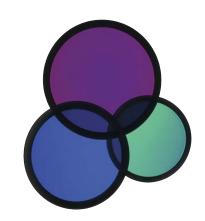
COLOR MEDIA

DICHROIC COLOR FILTERS

In addition to our complete line of glass color filters, LSI now offers dichroic glass color filters that achieve purer, more saturated, richer color by selective wavelength transmission. Since these filters reflect rather than absorb the unwanted color wavelengths, a higher intensity of colored light can be obtained with fewer or lower wattage fixtures. In addition, this selective transmission allows for very accurate color matching from filter to filter.

All standard LSI filter sizes are available in a wide palette of well chosen dichroic colors that can be used with all LSI fixtures that accept accessories.

LSI dichroic glass color filters have the added benefit of being rimmed for extra durability to allow for frequent usage without fear of breakage or edge chipping.



Size	Diameter	LSI Fixture Series
AAA	2 3/8"	LumeLEX® 2020/2030/2031/2038, SSLCX16, SSL260, LumeLEX MAR-S
ZM	2 13/16"	LZ ZOOM
AA	3"	LumeLEX® 2044, LumeLEX 2048
Α	3 1/2"	LumeLEX® 2060, SSL230, SSLCX30, SSLGR30CL
В	4 1/4"	LumeLEX® MAR-L
С	4 3/4"	290, LumeLEX® 2084, LumeLEX® 2088, SSL238, SSLCX36, SSLCX38, SSLGR38CL

Technical Data

Dichroic color filters are created in a vacuum chamber by multi-layer vapor deposits of different minerals onto low expansion, chemically resistant Borosilicate glass.

Deposits are made in alternating layers of varying microscopic thickness which allow very narrow color wavelengths to be selectively transmitted and all other wavelengths to be reflected.

LSI does not recommend using dichroic color filters with lamps or fixtures that have beam spreads greater than 40° because a secondary color aura is created by the wide angular transmitted wavelengths that are different than the desired color wavelength.

Since there is mainly transmission and reflection of the color wavelengths by the dichroic filter and very little absorption, the dichroic filter can be used with many high temperature lights that normally would not accept color filters.

		% of Light
No.	Color	Transmission
2001	Light Pink	69
2002	Medium Pink	43
2003	Hot Pink	11
2004	Pale Pink	55
2010	Deep Magenta	29
2011	Lavender	24
2012	Vivid Magenta	31
2013	Lavender Accent	48
2014	Lilac	37
2015	Purple Fusion	12
2020	Sky Blue	39
2021	Sea Blue	39
2022	Cyan	33
2023	Light Blue Green	30
2024	Primary Blue	24
2025	Medium Red Blue	15
2026	Deep Purple	16
2027	Peacock Blue	53
2028	Mediterranean Blue	20
2029	Boost Blue	51
2040	Light Yellow Green	64
2041	Fern Green	47
2042	Turquoise	35
2043	Primary Green	31
2044	Industrial Green	64
2050	Yellow	80
2051	Amber	71
2052	Amber Blush	38
2053	Bastard Amber	71
2054	Goldenrod	63
2055	Bright Straw	56
2060	Medium Orange	51
2061	Orange	44
2070	Flame Red	27
2071	Primary Red	25



Submitted By 16500, INC Catalog Number LX2030-L19 08-90 CO S1 CT2-DX 120 S

Notes

Lighting Services Inc LumeLEX SERIES

LX2030 · 120/277V · LUMENETIX-ARAYA · 19MM



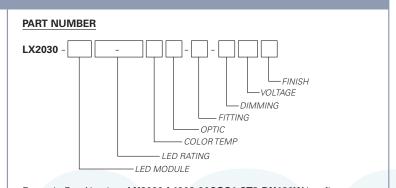
These LED Cylinder units offer high functionality in LSI's smallest, sleekest package.

- Designed for the Lumenetix-araya Color Tuning LED 19mm module up to 13 Watts
- Extremely tight color consistency (less than 2 MacAdam Ellipses, ± 0.002 DUV), (2000K to 6000K at 2 SDCM)
- System efficiency up to 27 lumens/watt
- On board closed loop feedback compensates each channel for thermal and optical depreciation
- 50,000 hour life to 70% lumen output, L70 at 95°F max ambient
- Tunable white from 1650K to 8000K
- Full color tuning of saturated colors and pastels
- Color Rendering Index (CRI) of 90+ from 2000K to 6000K
- 750 produced lumens
- Tested to LM79 and LM80 Protocols
- Choice of dimming down to <1%. Compatible with 2 zones for 0-10V
- 0-10V with the ability to control intensity and CCT simultaneously and individually
- Compatible with DMX and RDM
- Uses the following four DMX channels: Dimming, CCT, Saturation, and Hue
- Field interchangeable optics (15° or 40°) modify the beam spread distribution
- Accessory holder accepts up to two size-AAA LSI filters and accessories
- Finishes: LSI Black, White, and Silver
- Fixture weight: 2 lbs
- All modules are field replaceable

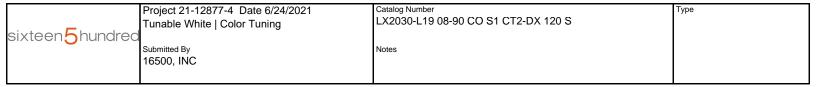
FIXTURE PART NUMBERS

Please review the **ORDERING INFORMATION** section on the next page as well as the **MOUNTING OPTIONS** on page 3 to create a part number for each fixture that specifies the following:

- LED Module
- LED Rating
- Color Temperature
- Optic mm/beam spread
- Fitting/Controls (Dimming)
- Voltage
- Finish

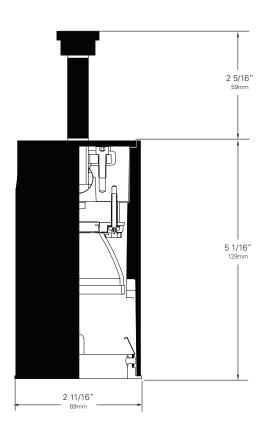


Example Part Number: LX2030-L1908-90COS1-CT2-DX120W is a fixture with a Lumenetix-araya 19mm module, 750 Lumen/90 CRI/13 watt LED Rating, Full Color and Dynamic White Color Temperature, 15° Optic, CT2 CONTROLTrack fitting with DMX Address knobs and DMX compatible control gear, 120V and a White finish.



Lighting Services Inc LumeLEX SERIES

LX2030 · 120/277V · LUMENETIX-ARAYA · 19MM



ORDERING INFORMATION

Base Fixture Model

□ LX2030-L19

LED Rating (Lumens/CRI/Wattage)

 \square 08-90 = 750/90/13

Color Temperature

- \square DW= Dynamic White 1650-8000K*
- ☐ CO= Full Color and Dynamic White 1650-8000K (DMX Dimming only)

Optic

- \square S1 = 50mm/15°
- \square S4 = 50mm/40°

Fitting/Controls (Dimming)

- \square CT2-10 = CONTROLTrack Fitting & 0-10V (1%)*
- ☐ CT2-DX = CONTROLTrack Fitting & DMX (<1%)
- \Box 5A-10 = Canopy Fitting & 0-10V (1%)*
- \Box 5A-DX = Canopy Fitting & DMX (<1%)

Voltage

□ 120 = 120V □ 230 = 220-240V

Finish

 \square B = Black \square W = White \square S = Silver

Example Part Number:

LX2030-L19 08-90 CO S1 - CT2-DX 120 W FINITURE MODEL LED COLOR OPTIC FITTING/ VOLTAGE FINIS

Other Options (Consult Factory):

- Custom Stems, specify length (4"-48")
- Custom color, RAL palette

^{*0-10}V available in Dynamic White only.



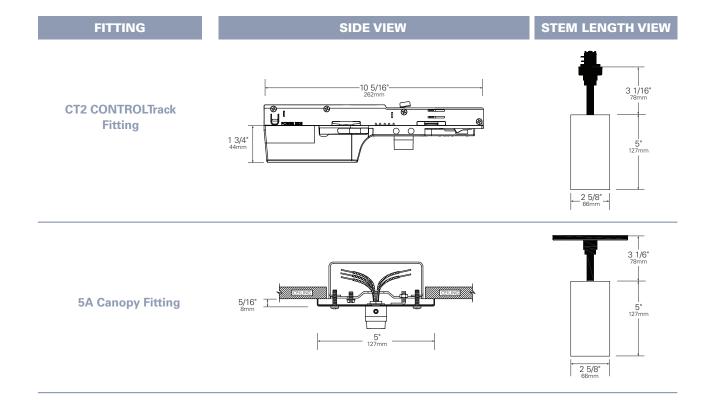
Submitted By 16500, INC Catalog Number LX2030-L19 08-90 CO S1 CT2-DX 120 S

Notes

Туре

Lighting Services Inc LumeLEX SERIES

LX2030 · MOUNTING OPTIONS





Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

Submitted By 16500, INC Catalog Number LX2030-L19 08-90 CO S1 CT2-DX 120 S

Notes

LumeLEX SERIES

Туре

LX2030 PERFORMANCE

The performance characteristics of the LumeLEX family of products can be customized based on the LED module and the optic (reflector) selected.

Each available LED module is defined by four characteristics – the color rendering index (CRI), the correlated color temperature (CCT), the power that it uses (watts), and its "available lumens." Note that available lumens is a theoretical value that represents the light output of the module on its own – no fixture or optic attached.

In the LSI part number, the LED module is specified with a range of numbers that immediately follow the product series number. For example, in the part number LX2030-L1908-90COS4-CT2-DX120W, the "L1908-90CO" represents a 19mm Lumenetix-araya module with an output of 750 lumens, a CRI of 90, a power usage of 13 watts and dynamic white color tuning.

The available optics (reflectors) are characterized by size, beam angle, and in some cases the characteristics of the field angle (narrow or wide). The optic is specified by the two characters that follow the LED designation in the part number. For example, the "S4" in LX2030-L1908-90COS4-CT2-DX120W is a 50mm diameter optic that has a 40-Degree beam.

Additional parameters, such as Center Beam Candle Power (CBCP), Delivered Lumens, and Efficiency (Lumens per Watt) are all shown in a table that is organized by LED module and optic combination.

CBCP = Center Beam Candle Power		
LED Rating	Optic (Reflector)	
Lumens/CRI/Wattage	S1	S4
750/90/13	2,153	1,208

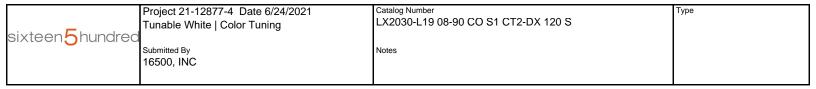
Delivered Lumens		
LED Rating	Optic (R	eflector)
Lumens/CRI/Wattage	S1	S4
750/90/13	233	353

Efficacy = Lumens Per Watt		
LED Rating	ED Rating Optic (Reflector)	
Lumens/CRI/Wattage	S1	S4
750/90/13	18	27

Absolute range of values are +/- 10% of typical value, and are for all color temperatures

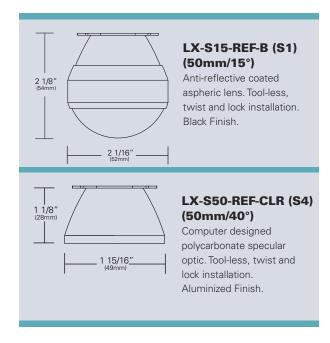
LED Rating Lumens/CRI/Wattage SKU Code	750/90/13 08-90
Nominal Fixture Power (+/- 20%), Watts	13
Maximum Inrush Current, Amps	10
Minimum Power Factor	0.90

Inrush current is instantaneous current drawn by the LED only when fixture is initially powered on or instantaneously changed from full dim to full bright. For more details see Dimming Application Sheet, IS-0119.



Lighting Services Inc LumeLEX SERIES

LX2030 · OPTICS





All Max. Footcandles at 0° Beam Axis

Submitted By 16500, INC

Catalog Number LX2030-L19 08-90 CO S1 CT2-DX 120 S

Notes

Type

Lighting Services Inc LumeLEX SERIES

LX2030 · PHOTOMETRIC DATA

LED RATING: 08-90

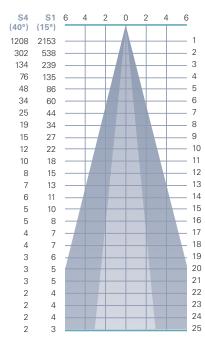
S1-50mm DIA (Optic
---------------	-------

Beam Spread (minimum) 15° Center Beam Candlepower 2153 CRI 90

S4-50mm DIA Optic

Beam Spread (minimum) 40°
Center Beam Candlepower CRI 90

All Distances in Feet



Photometric Data based on LED Rating: 08-90 (750 Lumens/90CRI/13watts)



Submitted By 16500, INC Catalog Number LX2030-L19 08-90 CO S1 CT2-DX 120 S

Notes

Lighting Services Inc LumeLEX SERIES

LX2030 · ACCESSORIES



SPREAD LENSES AND BEAM SOFTENER

% of Light

No.	Description	Transmissio
AAA990	Spread Lens/Clear	83 (5°X 50°)
AAA992	Spread Lens/Clear	85 (5°X 30°)
AAA995	Spread Lens/Clear	83 (50°X 50°)
AAA996	Spread Lens/Clear	86 (45°X 50°)
AAA998	Beam Softener/Clear	80 (45°X 45°)



'LIGHT BLOCKING SCREENS AAA

Stainless steel mesh screens used alone or in combinations will block from approximately 20% to 90% of the transmitted light without changing color temperature of the light.

Туре

No.	% of Light Blocked
AAA801S	20
AAA802S	30
AAA803S	40



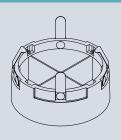
LOUVER HEX AAA

1/8" thick Hexcell black metal louver used for thin profile. Black finish.



LX2031FR WALL WASH CYLINDER HOUSING

which includes slash front, accessory cartridge, spread gel (75° x 45°) and kicker reflector (for use with 40° optic only).



CROSS BAFFLE LX2030

Controls spill light and glare. Capable of holding up to (2) additional AAA-size accessories. Black finish.

Figures vary based upon LED module/optic being used and relationship of screen(s) to LED module/optic and to each other.



Catalog Number LX2030-L19 08-90 CO S1 CT2-DX 120 S

Lighting Services Inc

COLOR MEDIA

COLOR FILTERS

As the foremost innovator in accent lighting, LSI offers a complete range of permanent fade-free glass color filters, which are available in nine stock diameters. All glass color filters are rimmed in a seamless aluminum ring and are slotted for heat expansion.



Size	Diameter	LSI Fixture Series
AAA	2 3/8"	LumeLEX® 2020/2030/2031/2038, SSLCX16, SSL260, LumeLEX MAR-S
ZM	2 13/16"	LZ ZOOM
AA	3"	LumeLEX® 2044, LumeLEX 2048
Α	3 1/2"	LumeLEX® 2060, SSL230, SSLCX30, SSLGR30CL
В	4 1/4"	LumeLEX® MAR-L
С	4 3/4"	290, LumeLEX® 2084, LumeLEX® 2088, SSL238, SSLCX36, SSLCX38, SSLGR38CL

		¹% of Light
No.	Color	Transmission
902	Medium Pink	36
903	Deep Pink	37
904	Flesh Pink	73
906	Pale Lavender	14
907	Surprise Pink	19
908	Lilac	21
910	Warm Red	10
911	Strawberry	6
912	Ruby	4
913	Magenta	
914 915	Light Amethyst	25 16
916	Medium Amethyst Deep Amethyst	4
917	Olive	18
918		68
920	Light Green Medium Green	25
921	Deep Green	7
922	Silver green	65
923	Yellow Green	49
924	Emerald Green	12
925	Light Turquoise	68
926	Medium Turquoise	40
927	Deep Turquoise	17
928	Light Blue	34
930	Medium Blue	3
932	Daylight	59
933	Gene Moore Blue	18
936	Grey	56
937	Light Blue Green	17
939	Light Amber	68
940	Medium Amber	48
941	Deep Amber	43
942	Straw	78
943	Gold	87
944	Canary Yellow	84
945	Lemon	81
946	Pumpkin	32
947	Tangerine	20
948	Orange	23
949	Pink Gold	54
950	Bronze	48
951	Brass	11
952	Autumn Tan	11
953	Leaf Brown	19
954	Butter Pecan	3
955	Toasted Almond	1

Туре

^{1.} Values given are approximate due to slight variations in glass color and thickness.



Submitted By 16500, INC Catalog Number LX2030-L19 08-90 CO S1 CT2-DX 120 S

Notes

Lighting Services Inc

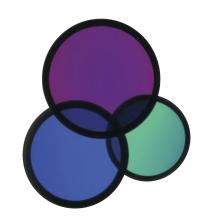
COLOR MEDIA

DICHROIC COLOR FILTERS

In addition to our complete line of glass color filters, LSI now offers dichroic glass color filters that achieve purer, more saturated, richer color by selective wavelength transmission. Since these filters reflect rather than absorb the unwanted color wavelengths, a higher intensity of colored light can be obtained with fewer or lower wattage fixtures. In addition, this selective transmission allows for very accurate color matching from filter to filter.

All standard LSI filter sizes are available in a wide palette of well chosen dichroic colors that can be used with all LSI fixtures that accept accessories.

LSI dichroic glass color filters have the added benefit of being rimmed for extra durability to allow for frequent usage without fear of breakage or edge chipping.



Size	Diameter	LSI Fixture Series
AAA	2 3/8"	LumeLEX® 2020/2030/2031/2038, SSLCX16, SSL260, LumeLEX MAR-S
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А	3 1/2"	LumeLEX® 2060, SSL230, SSLCX30, SSLGR30CL
В	4 1/4"	LumeLEX® MAR-L
С	4 3/4"	290, LumeLEX® 2084, LumeLEX® 2088, SSL238, SSLCX36, SSLCX38, SSLGR38CL

Technical Data

Dichroic color filters are created in a vacuum chamber by multi-layer vapor deposits of different minerals onto low expansion, chemically resistant Borosilicate glass.

Deposits are made in alternating layers of varying microscopic thickness which allow very narrow color wavelengths to be selectively transmitted and all other wavelengths to be reflected.

LSI does not recommend using dichroic color filters with lamps or fixtures that have beam spreads greater than 40° because a secondary color aura is created by the wide angular transmitted wavelengths that are different than the desired color wavelength.

Since there is mainly transmission and reflection of the color wavelengths by the dichroic filter and very little absorption, the dichroic filter can be used with many high temperature lights that normally would not accept color filters.

		% of Light		
No.	Color	Transmission		
2001	Light Pink	69		
2002	Medium Pink	43		
2003	Hot Pink	11		
2004	Pale Pink	55		
2010	Deep Magenta	29		
2011	Lavender	24		
2012	Vivid Magenta	31		
2013	Lavender Accent	48		
2014	Lilac	37		
2015	Purple Fusion	12		
2020	Sky Blue	39		
2021	Sea Blue	39		
2022	Cyan	33		
2023	Light Blue Green	30		
2024	Primary Blue	24		
2025	Medium Red Blue	15		
2026	Deep Purple	16		
2027	Peacock Blue	53		
2028	Mediterranean Blue	20		
2029	Boost Blue	51		
2040	Light Yellow Green	64		
2041	Fern Green	47		
2042	Turquoise	35		
2043	Primary Green	31		
2044	Industrial Green	64		
2050	Yellow	80		
2051	Amber	71		
2052	Amber Blush	38		
2053	Bastard Amber	71		
2054	Goldenrod	63		
2055	Bright Straw	56		
2060	Medium Orange	51		
2061	Orange	44		
2070	Flame Red	27		
2071	Primary Red	25		

Туре



Submitted By 16500, INC Catalog Number LLI-N3.7W-67-DSS-2K5-24V-PF

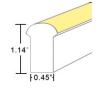
Notes



TUNABLE WHITE LED NEON - 24V

Dome Profile / Side Bending / Silicone











Туре

TECHNICAL INFORMATION

NOTE: All data has +/- 5% tolerance.

WATTAGE	3.7W per foot
IP RATING	IP67 - wet locations. Protected against temporary submersion, limited protection against harsh environments.
PROFILE	Dome
BEND ORIENTATION	Side Bending
HOUSING MATERIAL	Silicone
OUTPUT	2500K - 5000K (±280K) - 80 lm/ft
INPUT VOLTAGE	24VDC
CRI	80+
SEGMENT LENGTH	Every 3.3", not field-cuttable
MAXIMUM RUN	49 feet (single feed power)
DIMENSIONS	0.45" W x 1.14" H (11.5mm x 29mm)
MINIMUM BEND	4.72" diameter
INSTALLATION TEMP.	32° to 140°F (do not install when temperatures are below freezing)
OPERATING TEMP.	-13° to 140°F
WARRANTY	3 year limited
POWER SUPPLY	Compatible with all non-dim 24VDC power supplies see page 4



ANTI-WICKING FERRULE

Standard on all LED Neon power cables.
Located 4.5" from the connector. Protects against water ingress and circuit board corrosion.
H 0.47" x W 1.18"

MOUNTING CLIP OPTIONS (SOLD SEPARATELY)

Channel options available (page 5). Recommended 2 clips per 12" of Neon.



Mounting Clip

Part Number: LLI-ND-MCL-1.5IN 1.38" L x 0.87" H x 0.54" W



Spring Mounting Clip Part Number: LLI-ND-MCL-S-1.5IN 1.38" L x 1.01" H x 0.63" W



Silicone Grip Mounting Clip Part Number: LLI-ND-MCL-SG-0.8IN 0.80" L x 0.98" H x 0.63" W

NOTE: Neon sections may be mounted end-to-end on the non-power feed end to create the appearance of longer runs. End-to-end Neon sections must have a 0.5" to 1" gap to allow for expansion/contraction. A dark spot may be visible at <20ft viewing distance.

PART NUMBER BUILDER / ORDERING GUIDE

Example part number: LLI-N3.7W-67-DSS-2K5-24V-96in

SERIES IP RATING TYPE CCT VOLTAGE LENGTH

LLI-N3.7W - 67 - DSS - 2K5 - 24V - (enter length in inches, up to 587")

Catalog Number LLI-N3.7W-67-DSS-2K5-24V-PF

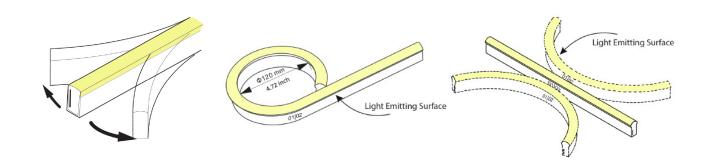
Notes

Type

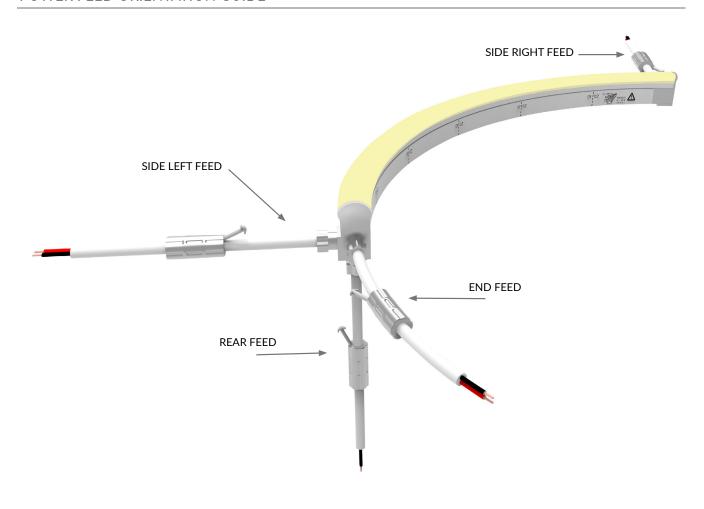
TUNABLE WHITE LED NEON - 24V

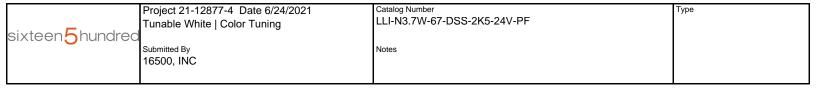
Dome Profile / Side Bending / Silicone

ORIENTATION & MINIMUM BEND DIAMETER



POWER FEED ORIENTATION GUIDE



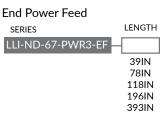


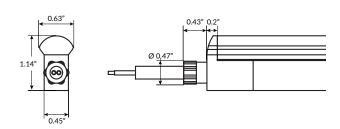
TUNABLE WHITE LED NEON - 24V

Dome Profile / Side Bending / Silicone

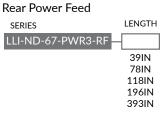
POWER FEED & TERMINATION OPTIONS (IP67)

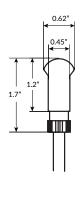


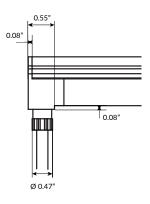




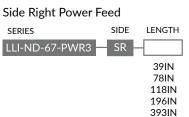


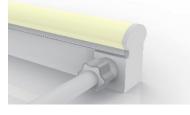


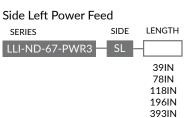


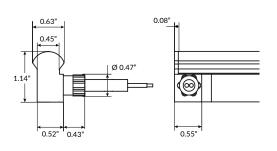














Submitted By 16500, INC Catalog Number LLI-N3.7W-67-DSS-2K5-24V-PF

Notes

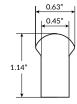
Туре

TUNABLE WHITE LED NEON - 24V

Dome Profile / Side Bending / Silicone

POWER FEED & TERMINATION OPTIONS (IP67)







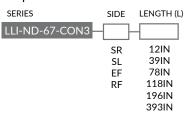
End Cap

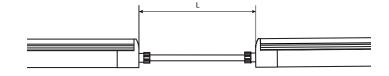
SERIES

LLI-ND-67-EC



Jumper Power Connector





OVERALL LENGTH / CUT POINT GUIDE

Dimension tolerance of $\pm 1/8$ ".

Measurements below do not include area required for routing power wire. Add 1" distance to layout to account for routing end feed power wire. This product expands and contracts in varying ambient temperatures. If butting Neon end-to-end, add 1/2" to 1" gap between sections for expansion.

3.56"	6.84"	10.12"	13.40"	16.68"	19.96"	23.24"	26.52"	29.80"	33.08"	36.36"	39.64"
42.92"	46.20"	49.48"	52.76"	56.04"	59.32"	62.60"	65.88"	69.16"	72.44"	75.72"	79.00"
82.28"	85.56"	88.84"	92.12"	95.40"	98.68"	101.96"	105.24"	108.52"	111.80"	115.08"	118.36"
121.64"	124.92"	128.20"	131.48"	134.76"	138.04"	141.32"	144.60"	147.88"	151.16"	154.44"	157.72"
161.00"	164.28"	167.56"	170.84"	174.12"	177.40"	180.68"	183.96"	187.24"	190.52"	193.80"	197.08"
200.36"	203.64"	206.92"	210.20"	213.48"	216.76"	220.04"	223.32"	226.60"	229.88"	233.16"	236.44"
239.72"	243.00"	246.28"	249.56"	252.84"	256.12"	259.40"	262.68"	265.96"	269.24"	272.52"	275.80"
279.08"	282.36"	285.64"	288.92"	292.20"	295.48"	298.76"	302.04"	305.32"	308.60"	311.88"	315.16"
318.44"	321.72"	325.00"	328.28"	331.56"	334.84"	338.12"	341.40"	344.68"	347.96"	351.24"	354.52"
357.80"	361.08"	364.36"	367.64"	370.92"	374.20"	377.48"	380.76"	384.04"	387.32"	390.60"	393.88"
397.16"	400.44"	403.72"	407.00"	410.28"	413.56"	416.84"	420.12"	423.40"	426.68"	429.96"	433.24"
436.52"	439.80"	443.08"	446.36"	449.64"	452.92"	456.20"	459.48"	462.76"	466.04"	469.32"	472.60"
475.88"	479.16"	482.44"	485.72"	489.00"	492.28"	495.56"	498.84"	502.12"	505.40"	508.68"	511.96"
515.24"	518.52"	521.80"	525.08"	528.36"	531.64"	534.92"	538.20"	541.48"	544.76"	548.04"	551.32"
554.60"	557.88"	561.16"	564.44"	567.72"	571.00"	574.28"	577.56"	580.84"	584.12"	587.40''	590.68"



Submitted By 16500, INC

Catalog Number LLI-N3.7W-67-DSS-2K5-24V-PF

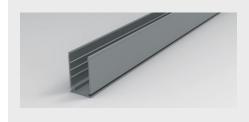
TUNABLE WHITE LED NEON - 24V

Dome Profile / Side Bending / Silicone

MOUNTING CHANNELS

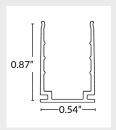
NOTE: Leave a 0.5" to 1" gap between Neon power feed and mounting channel, to avoid undue stress on power feed cables.

ALUMINUM MOUNTING CHANNEL



20" Mounting Channel Part Number: LLI-ND-EXT-20IN Dimensions: 20" L x 1.01" H x 0.63" W

39" Mounting Channel Part Number: LLI-ND-EXT-39IN Dimensions: 39" L x 1.01" H x 0.63" W



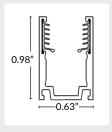
Туре

SILICONE GRIP ALUMINUM MOUNTING CHANNEL



20" Mounting Channel Part Number: LLI-ND-EXT-SG-20IN Dimensions: 20" L x 0.98" H x 0.63" W

39" Mounting Channel Part Number: LLI-ND-EXT-SG-39IN Dimensions: 39" L x 0.98" H x 0.63" W

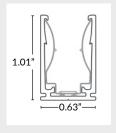


ALUMINUM MOUNTING CHANNEL WITH SPRING CLIPS



20" Mounting Channel Part Number: LLI-ND-EXT-S-20IN Dimensions: 20" L x 1.01" H x 0.63" W

39" Mounting Channel Part Number: LLI-ND-EXT-S-39IN Dimensions: 39.4" L x 1.01" H x 0.63" W



FLEXIBLE STAINLESS STEEL MOUNTING CHANNEL



4" Mounting Channel

Part Number: LLI-ND-EXT-F-4IN Dimensions: 4" L x 0.97" H x 0.52" W

12" Mounting Channel

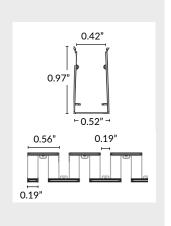
Part Number: LLI-ND-EXT-F-12IN Dimensions: 12" L x 0.97" H x 0.52" W

20" Mounting Channel

Part Number: LLI-ND-EXT-F-20IN Dimensions: 20" L x 0.97" H x 0.52" W

35" Mounting Channel

Part Number: LLI-ND-EXT-F-35IN Dimensions: 35" L x 0.97" H x 0.52" W





Submitted By 16500, INC Catalog Number LLI-N3.7W-67-DSS-2K5-24V-PF

Votes

TUNABLE WHITE LED NEON - 24V

Dome Profile / Side Bending / Silicone

MOUNTING CHANNELS (CONTINUED)

NOTE: Leave a 0.5" to 1" gap between Neon power feed and mounting channel, to avoid undue stress on power feed cables.

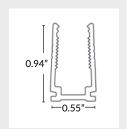
PLASTIC MOUNTING CHANNEL



20" Mounting Channel Part Number: LLI-ND-EXT-P-20IN Dimensions: 20" L x 0.94" H x 0.55" W

39" Mounting Channel

Part Number: LLI-ND-EXT-P-39IN Dimensions: 39.4" L x 0.94" H x 0.55" W



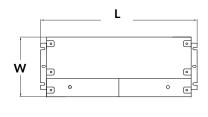
Туре

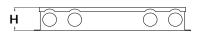
POWER SUPPLY (SOLD SEPARATELY)

NON-DIMMABLE ELECTRONIC



PART NUMBER	CAPACITY	OUTPUT	CLASS	LOCATION	L	W	Н
LLI-PS-NDE-030W-24V-KO	30W	24V	CLASS 2	WET	6.5"	3.5"	1.02"
LLI-PS-NDE-060W-24V-KO	60W	24V	CLASS 2	WET	7.4"	3.5"	1.2"
LLI-PS-NDE-096W-24V-KO	96W	24V	CLASS 2	WET	8.7"	3.7"	1.7"
LLI-PS-NDE-200W-24V-KO	200W	24V	CLASS 1	WET	10.3"	4.1"	1.8"
LLI-PS-NDE-300W-24V-KO	300W	24V	CLASS 1	WET	10.9"	4.3"	1.8"



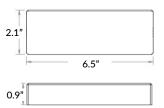


RF RECEIVER (SOLD SEPARATELY)

LLI-C-RCV-UR-RF-4CH

CONTROLLER COMPATIBILITY	Compatible with all RF LLI-C-CTRL controllers.
LED COMPATIBILITY	Static Color, Tunable White & RGB(W) LEDs
CHANNELS	4 Channel, 8 Amp
INPUT VOLTAGE	12V / 24V (power supply not included)
CAPACTIY	12V - 96W, 24V - 192W
FEATURES	Can be controlled by up to (8) controllers
	Can be syncronized with unlimited receivers up to 320ft away







Submitted By 16500, INC Catalog Number LLI-N3.7W-67-DSS-2K5-24V-PF

Notes

Туре

INC

TUNABLE WHITE LED NEON - 24V

Dome Profile / Side Bending / Silicone

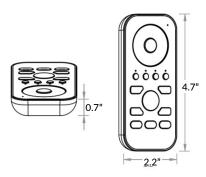
RF CONTROLLERS (SOLD SEPARATELY)

REMOTE CONTROLLER

LLI-C-CTRL-RGBW-HH

RECEIVER COMPATIBILITY	Compatible with Universal RF receivers
LED COMPATIBILITY	Tunable White LEDs
INPUT VOLTAGE	Battery operated (3 AAA batteries not included)
FEATURES	Programmable up to 4 zones, 3 scenes Color adjustment
	Light intensity adjustment



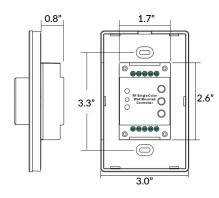


ROTARY WALL CONTROLLER

LLI-C-CTRL-TW-RT

RECEIVER COMPATIBILITY	Compatible with Universal RF receivers
LED COMPATIBILITY	Tunable White LEDs
INPUT VOLTAGE	Battery operated (3V DC not included)
FEATURES	Control range ≥ 65ft
	Programmable single zone
	Color adjustment
	Light intensity adjustment



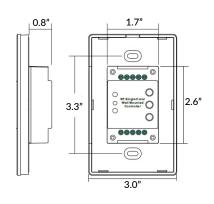


TOUCH PANEL WALL CONTROLLER

LLI-C-CTRL-TW-TP-WH

RECEIVER COMPATIBILITY	Compatible with Universal RF receivers
LED COMPATIBILITY	Tunable White LEDs
INPUT VOLTAGE	12V DC power supply required (not included)
FEATURES	Control range ≥ 65ft
	Programmable up to 3 scenes
	4 color presets
	Color adjustment
	Light intensity adjustment







Submitted By 16500, INC

Catalog Number LLI-N3.7W-67-DSS-2K5-24V-PF

TUNABLE WHITE LED NEON - 24V

Dome Profile / Side Bending / Silicone

DMX DECODERS (SOLD SEPARATELY)

DMX512 DECODER

LLI-C-DEC-DMX512-8A

LOCATION RATING	Indoor only
FUNCTION	Static color, variable white, RGB(W) LEDs
CHANNELS	4 channel output, 8 Amp maximum 512 addressable DMX channels
CAPACITY	12V - 96W maximum
	24V - 192W maximum
COMPATIBILITY	Compatible with LLI-C-CTRL-DMX controllers





Туре

POWER

Power supply not included. 12V/24V non-dimming power supply required.



RDM DMX512 DECODER

LLI-C-DEC-DMX512-8A-RDM

OUTPUT	8A maximum, 4 channels
LOCATION RATING	Indoor only
FUNCTION	RDM communication and PWM dimming for static white, static color, tunable white, and RGB(W) LEDs
CHANNELS	4 channel output, 8 Amp maximum 512 addressable DMX channels
CAPACITY	12V - 96W maximum
	24V - 192W maximum
COMPATIBILITY	Compatible with LLI-C-CTRL-DMX controllers

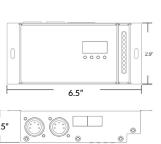


FEATURES

Can be controlled by up to eight (8) controllers. Can be synchronized with twenty (20) decoders.

POWER

Power supply not included. 12V/24V non-dimming power supply required.



2.9"



Submitted By 16500, INC Catalog Number LLI-N3.7W-67-DSS-2K5-24V-PF

Notes

Туре

TUNABLE WHITE LED NEON - 24V

Dome Profile / Side Bending / Silicone

DMX WALL CONTROLLERS (SOLD SEPARATELY)

STAND ALONE DMX WALL CONTROLLER, GU2

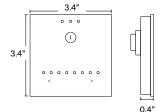
LLI-C-CTRL-DMX-STICK-GU2

INCLUDED IN PACKAGE	Controller, CD-ROM, USB cable, connector block, power supply
OS/COMPUTER REQUIREMENTS	Mac OSx 10.6 or higher / Windows XP or higher, USB 2.0 port
PROGRAM SOFTWARE	Easy Stand Alone, ESA2 (included)
CONNECTIONS	Power (2 pins), DMX (3 pins), Port (2 pins), Micro-USB Port
MOUNTING	Single or double gang wall box
IP RATING	IP20 - dry locations only



FEATURES

- Up to 24 dynamic or static scenes
- Wall mounted control panel with glass face, touch-sensitive buttons
- Programmable with included USB cable and software – no Ethernet or WiFi required



STAND ALONE DMX WALL CONTROLLER, DE3

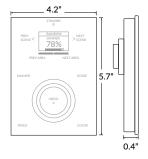
LLI-C-CTRL-DMX-STICK-DE3

INCLUDED IN PACKAGE	Controller, connector block, power supply
OS/COMPUTER REQUIREMENTS	Mac OSx 10.6 or higher / Windows XP or higher / iOS phone or tablet / Android phone or tablet
PROGRAM SOFTWARE	Easy Stand Alone, ESA2 (Mac/Windows) DMX Lightpad 3 App (iOS/Android) Easy Remote App (iOS/Android)
CONNECTIONS	Power/DMX - screw terminal and RJ45 compatible Memory - MicroSD slot Programming - MicroUSB port
POWER SUPPLY	6VDC power supply (included)
MEMORY	MicroSD card (not included)
MOUNTING	Single or double gang wall box
IP RATING	IP20 - dry locations only



FEATURES

- Multi-zone microSD memory
- Multi-room control with 500 scenes, 10 zones
- Integrated clock and calendar for scheduling events
- Touch-sensitive buttons
- USB and Ethernet connectivity for programming
- Windows/Mac software for programming dynamic effects
- iPhone/iPad/Android apps for remote control and program





IP RATING

Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

Submitted By 16500, INC

Catalog Number LLI-N3.7W-67-DSS-2K5-24V-PF

Notes

Туре

TUNABLE WHITE LED NEON - 24V

Dome Profile / Side Bending / Silicone

DMX WALL CONTROLLERS (SOLD SEPARATELY)

STAND ALONE DMX WALL CONTROLLER, CW4

FINISH LLI-C-CTRL-DMX-STICK-CW4

WH White glass

INCLUDED IN PACKAGE	Controller, connector block, power supply, mini-USB cable, ESA2 software, ESA Pro2 Software
OS/COMPUTER REQUIREMENTS	Mac OSx 10.6 or higher / Windows XP or higher
PROGRAM SOFTWARE	Easy Stand Alone, ESA2 (Mac/Windows)
CONNECTIONS	Power/DMX - screw terminal and RJ45 Programming - miniUSB port
POWER SUPPLY	Requires 5-10VDC 0.6A power supply (included)
MEMORY	Integrated flash memory
MOUNTING	Single or double gang wall box

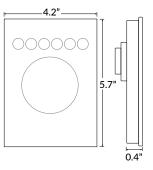
IP20 - dry locations only

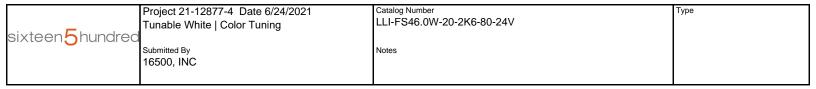




FEATURES

- Can be controlled directly from a computer, smartphone, or tablet
- Touch-sensitive buttons, glass face
- Up to 36 dynamic or static scenes
- 8 port triggers
- 1024 DMX channels control up to 340 RGB fixtures
- Windows/Mac software for programming dynamic effects
- Internal clock and calendar with sunrise/sunset triggering

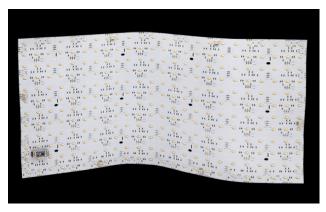


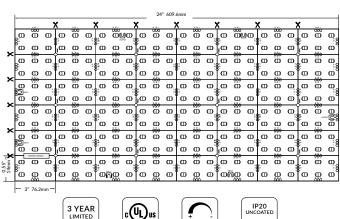




TUNABLE WHITE FLEX SHEET

Tunable White / Flexible LED Sheet / 24V





3 YEAR LIMITED WARRANTY







TECHNICAL INFORMATION

WATTAGE	46.0W per sheet
IP RATING	IP20 - dry location
TOTAL OUTPUT	2700K - 6500K (2096 - 2188 lm)
INPUT VOLTAGE	24VDC
CRI	80+
DIODE SPACING	every 1"
CUT LENGTH	Cuttable every 12 LEDs or 2" x 3" sections
MAXIMUM RUN	3 sheets in series connection
SHEET DIMENSIONS	24" W x 12" H (610mm x 305mm)
ADHESIVE BACKING	Yes - 3M™ mounting adhesive tape
LIFESPAN	50,000 hrs
WARRANTY	3 year limited
POWER SUPPLY	Compatible with all non-dimmable 24VDC power supplies – see power supply section of website

RECOMMENDED APPLICATIONS:*

Back-lit graphics Retail displays

*NOTE: FOR UNIFORM DIFFUSION MOUNT 2" OR MORE AWAY FROM DIFFUSER OR LENS

CONNECTORS:

One (1) power connectors (length 48") and two (2) connector cables (length 3") are included with each sheet. Do not exceed 6A.





MOUNTING OPTIONS:

See page 2 for full mounting details. $3M^{\text{\tiny TM}}$ mounting adhesive included on the back of sheet. Holes available for securing with screws.

PART NUMBER BUILDER / ORDERING GUIDE

Example part number: LLI-FS46.0W-20-2K6-24V

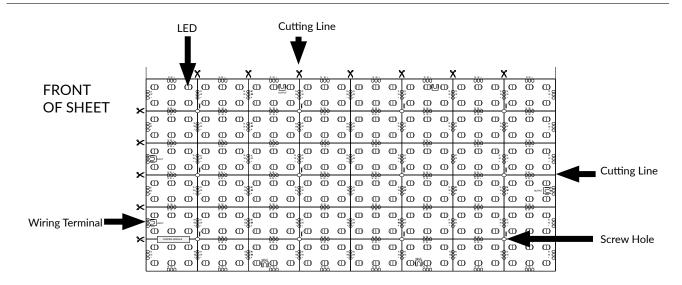
SERIES IP RATING COLOR CRI **VOLTAGE** LLI-FS46.0W 80

2K6 - 2700-6500K

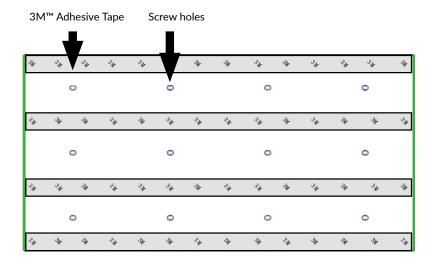
TUNABLE WHITE FLEX SHEET

Tunable White / Flexible LED Sheet / 24V

MOUNTING OPTIONS



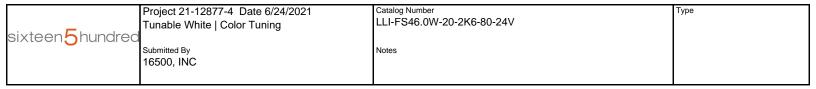
BACK OF SHEET



Screw holes (detail)





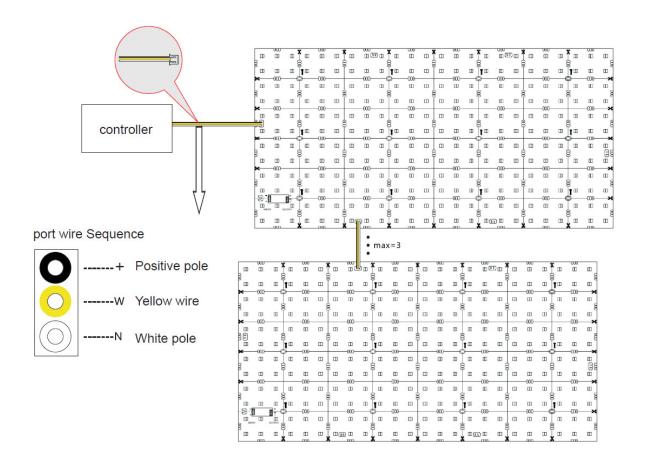


TUNABLE WHITE FLEX SHEET

Tunable White / Flexible LED Sheet / 24V

WIRING DIAGRAM

NOTE: Polarity is crucial for correct operation. Note the "input" and "output" labeling on each terminal before connecting.



Catalog Number LLI-FS46.0W-20-2K6-80-24V

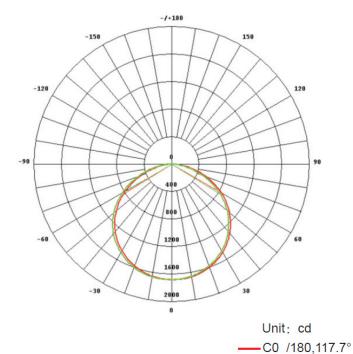
Notes

Type

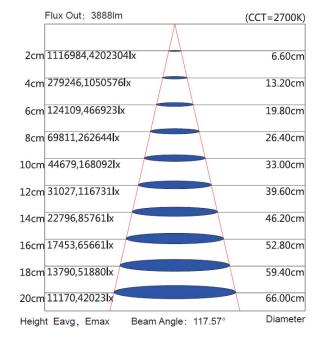
TUNABLE WHITE FLEX SHEET

Tunable White / Flexible LED Sheet / 24V

PHOTOMETRY & TESTING



AVERAGE BEAM ANGLE(50%): 117.7° — C90/270,117.6°



Submitted By 16500, INC

Catalog Number O-40 TU HO FWA TMW D9 DC UNV SSC3 X6 DMX EDMX

Type



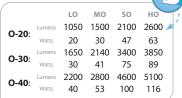
O | Pendant & Surface







LUMEN OUTPUT: Direct (D1)



Direct/Indirect (D9)

(LO	MO	SO	НО
0.20.	Lumens	1550	2300	3400	4200
O-20:	Watts	27	40	63	84
O-30:	Lumens	2200		5500	6500
	Watts	42	57	105	125
O-40:	Lumens	2650	3550	6750	7250
	Watts	51	68	129	149



It's essentially the P4000's (way more fun) twin. We've reinterpreted the popular original into a playful ring of light. It's a donut-shaped O — as in the shape your mouth makes when you see it.









Lumen output may vary +/- 5%

Submitted By 16500, INC

Catalog Number O-40 TU HO FWA TMW D9 DC UNV SSC3 X6 DMX EDMX

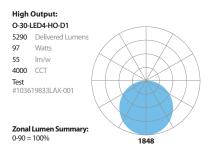


O | Pendant & Surface



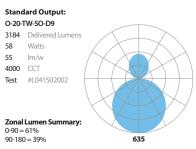
Туре

D1 — DIRECT



Vertical Angle	0	25	45	65	90
0	1848	1848	1848	1848	1848
5	1837	1838	1838	1838	1840
15	1766	1763	1765	1769	1772
25	1070	1070	1070	1070	1070
35	937	937	937	937	937
45	1437	1434	1438	1445	1452
55	927	926	935	944	955
65	639	640	648	657	667
75	354	352	362	371	380
85	90	87	92	99	105
90	0	0	0	0	0

D9 — SEMI-DIRECT



Verti- cal Angle	0	25	45	65	90
0	685	685	685	685	685
5	682	682	682	682	682
15	654	654	654	654	654
25	816	816	817	817	817
35	604	604	604	603	603
45	446	446	445	444	443
55	347	346	345	344	344
65	241	241	240	239	239
75	172	172	172	172	172
85	39	39	39	38	39
90	0	0	0	0	0
95	15	15	15	15	16
115	143	144	143	141	141
125	216	217	215	213	212
135	290	290	289	287	286
145	360	360	359	357	356
155	422	422	421	418	416
165	468	469	468	464	463
175	486	486	484	480	479
180	496	496	496	496	496

LUMEN MAINTENANCE

L70 (LO, MO, SO) — 100,000+ Hours

L70 (HO) — 90,000+ Hours

LED SYSTEM LED modules and drivers are field replaceable.

CONTROLS

Tunable White can be controlled via the following methods:

- **0-10V:** Control brightness and color independently via 2 dimmers.
- DALI: For more precise control. Prudential's PruTune wall control includes a color wheel, dimming indicator and six preset color options (2700K, 3000K, 3500K, 4000K, 5000K
- nLight*: Similar to DALI but with easier installation.
- DMX*: Recommended for dynamic lighting.

* Both nLight and DMX have Plug-n-Play connectors installed on the fixture NOTE: Independent control of Up and Down light (dual circuit) requires doubling the above controls for 0-10V and DALI (Four dimmers or two PruTune, or similar devices). Dual circuit on DMX and nLight is handled via addressing of connected components. Mixing control options is not recommended.

LABELS CSA and ETL damp labeled and I.B.E.W. manufactured.

CONSTRUCTION

Housing Extruded aluminum, rolled and welded, >25% PC recycled,

100% recyclable

Flat acrylic, 100% recyclable.

Weights O-20: 17lbs O-30: 27lbs O-40: 34lbs

MOUNTING Surface or suspended by aircraft cables, top-swivel stems. WARRANTY Single-source, 5 year limited warranty covers standard

components and construction. See warranty for more details.

Submitted By 16500, INC

O | Pendant & Surface

Catalog Number O-40 TU HO FWA TMW D9 DC UNV SSC3 X6 DMX EDMX

Note

PRUDENTIAL LTG

Туре

PRULITE.COM 213.746.0360



























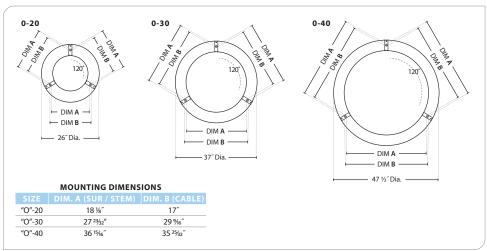


Choose from one of our Premium Colors with no set-up fee.

For paint chip samples, please email: info@prulite.com



MOUNTING LOCATIONS



MOUNTING OPTIONS





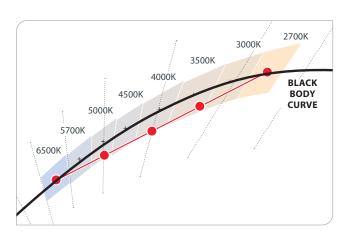
Submitted By 16500, INC Catalog Number

O-40 TU HO FWA TMW D9 DC UNV SSC3 X6 DMX EDMX





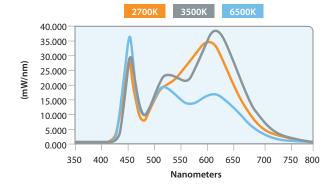
Туре



TARGETED CCT	TESTED CCT	LUMEN OUTPUT	TOTAL POWER (W)	CRI	R9	DUV
6500	6100	+ 2%	- 11%	96	96	0
5000	4675	STATED LUMENS ON LUMEN CHART	- 14%	95	96	- 0.005
4000	3675	+ 2%	- 13%	94	85	- 0.007
3500	3225	+ 1%	- 12%	93	74	- 0.006
3000	2875	STATED LUMENS ON LUMEN CHART	- 6%	93	57	- 0.004
2700	2650	- 2%	STATED WATTS ON LUMEN CHART	91	46	- 0.002

LIGHT OUTPUT AND COLOR

- Actual CCT is below targeted, especially in cooler range as a function of LED chip
- Light output is held constant over full color range and output matches static white PRU fixtures for easy specification (Low, Medium, Standard and High output), see spec sheets for delivered lumens for individual fixtures (varies). Lumen output may vary +/- 5%



ELECTRICAL

0-10V:

- Universal Input Voltage (120-277VAC)
- 0.1% Dimming
- Controlled by two individual 0-10V signals, one for light output (to 1%), the other for adjusting CCT (2700K-6500K)
- 50,000 hours rated life at 70°C max driver case temperature
- 87% efficiency THD <20% PF >0.9

DALI:

- Universal Input Voltage (120-277VAC)
- DALI control system (by others) or PRUTune DALI wall device to control color temperature and brightness

NOTE: PRUTune wall device only requires Purple & Grey wires common to 0-10v wiring, ideal for control of individual spaces

- 50,000 hours rated life at 70°C max driver case temperature
- 87% efficiency — THD <20% — PF >0.9

DMX:

- Universal Input Voltage (120-277VAC)
- DMX control system (by others) for control of CCT and brightness
- DMX drivers have multiple output channels that can be independently addressed at the factory
- 50,000 hours rated life at 70°C max driver case temperature
- 86% efficiency THD <20% PF >0.9



Catalog Number

O-40 TU HO FWA TMW D9 DC UNV SSC3 X6 DMX EDMX

Туре

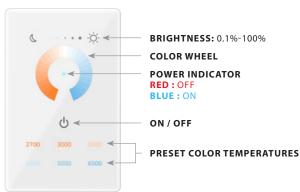
Notes

Tū Hue

0 | Pendant & Surface



PRUTUNE WALL DEVICE

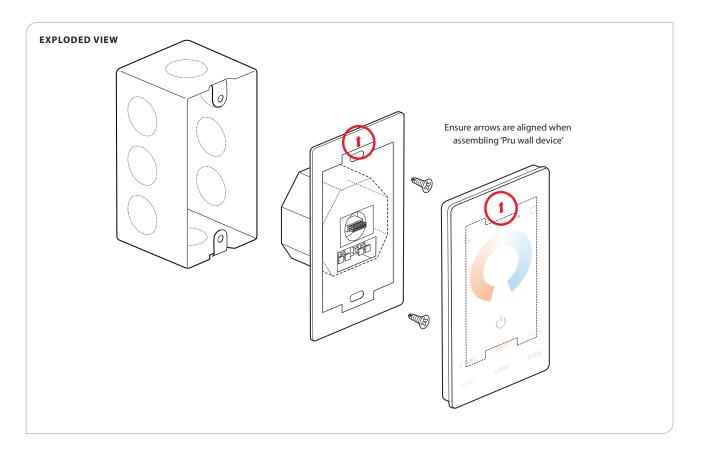


PRUTune DALI device includes:

- Easy-to-understand user control with intuitive design
- Out-of-the-box set-up, no commissioning needed
- Color wheel for color change from 2700K to 6500K
- Dimming to 0.1% (255 Steps)
- Six preset colors (2700K, 3000K, 3500K, 4000K, 5000K, 6500K)
- Must use DALI driver, consult factory to control non-Prudential Ltg Tunable White fixtures
- Control one (1) zone up to 30 drivers (Consult factory for fixture quantity dependant upon fixture type, size & output)

PRUTune + EMHE: — Prutune does not have memory

— Once normal power is restored, the controller sends a signal of 100% intensity and 6500K CCT



Notes

Туре

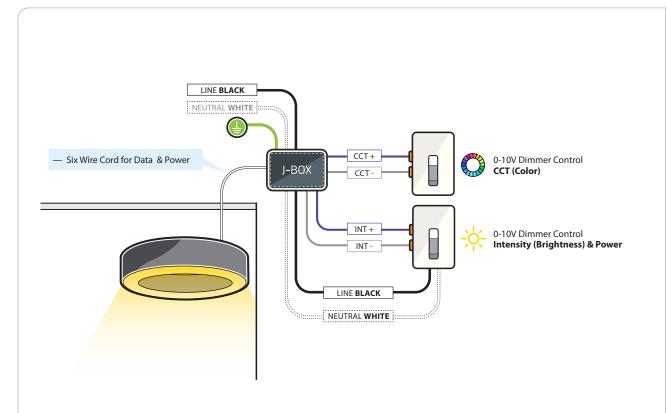


O | Pendant & Surface

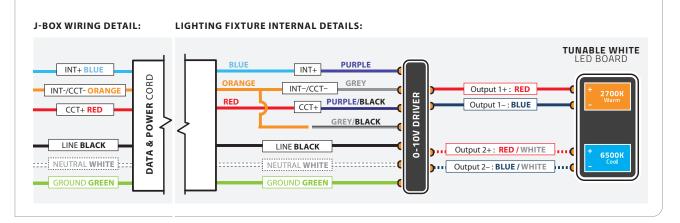


D1/D9 - SC - 0-10v

Single Control for Color, Single Control for Intensity



- Cords (Power and Data) between fixture and junction box are supplied by Prudential, but ship separately.
 Wire colors shown below are representative of the wires inside the fixture.
- Junction box wiring by others. Wire colors shown are for illustration purposes only.



Catalog Number O-40 TU HO FWA TMW D9 DC UNV SSC3 X6 DMX EDMX

Notes



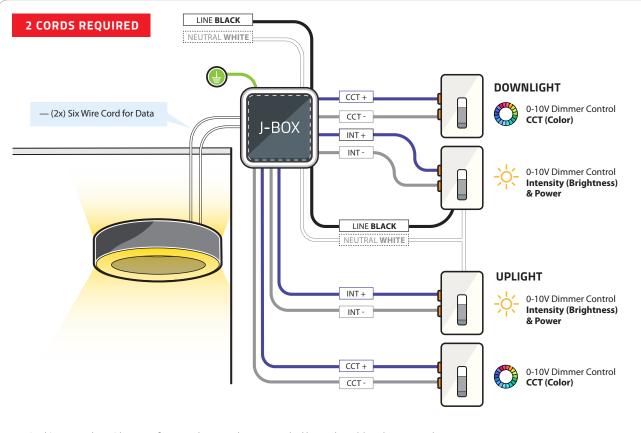
O | Pendant & Surface



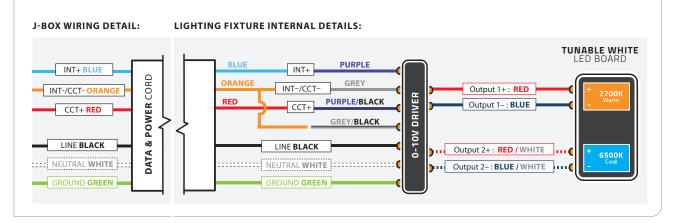
Туре

D9 - DC - 0-10v

Dual Control for both Color & Intensity (Control Up/Down separately)



- Cord (Power and Data) between fixture and junction box are supplied by Prudential, but ship separately. Wire colors shown below are representative of the wires inside the fixture.
- Junction box wiring by others. Wire colors shown are for illustration purposes only.



Note

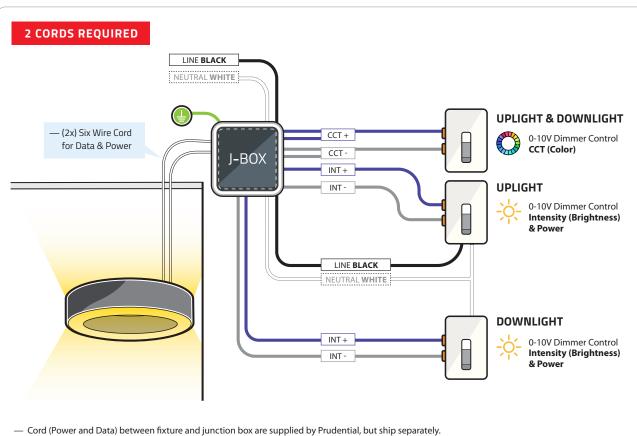


Туре

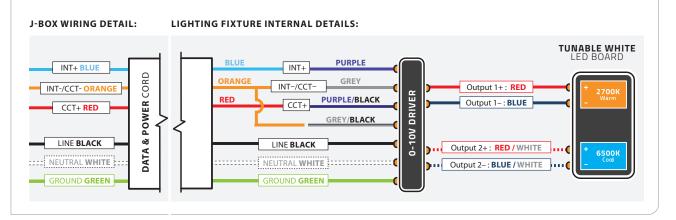
0 | Pendant & Surface

D9 - DC - 0-10v

Single Control for Color, Dual Control for Intensity



- Cord (Power and Data) between fixture and junction box are supplied by Prudential, but ship separately.
 Wire colors shown below are representative of the wires inside the fixture.
- Junction box wiring by others. Wire colors shown are for illustration purposes only.



Notes

Туре

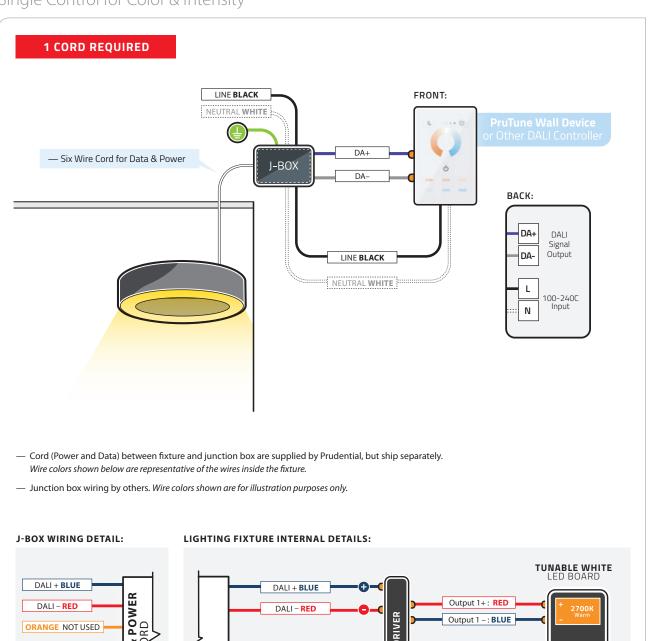


O | Pendant & Surface



D1/D9 -SC - DALI - PruTune

Single Control for Color & Intensity





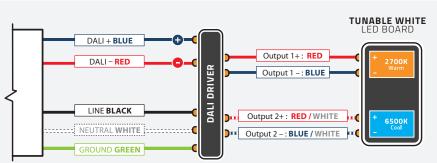
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LINE BLACK

GROUND GREEN

NEUTRAL WHITE



Notes

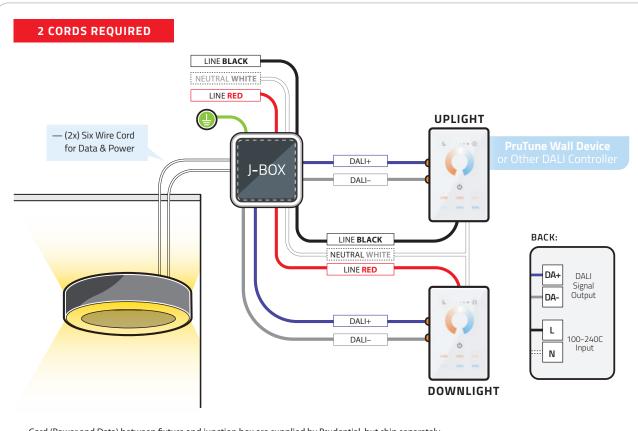


0 | Pendant & Surface

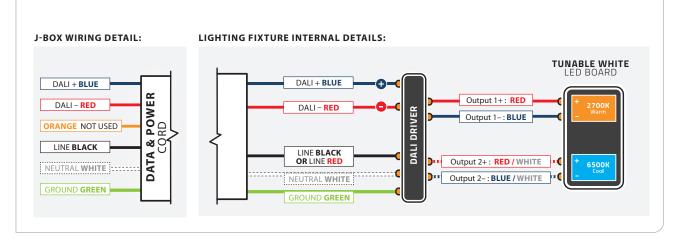


D9 -DC - DALI - PruTune

Single Control for Color & Intensity Down, Separate Control for Color & Intensity Up



- Cord (Power and Data) between fixture and junction box are supplied by Prudential, but ship separately.
 Wire colors shown below are representative of the wires inside the fixture.
- Junction box wiring by others. *Wire colors shown are for illustration purposes only.*



Notes

Type

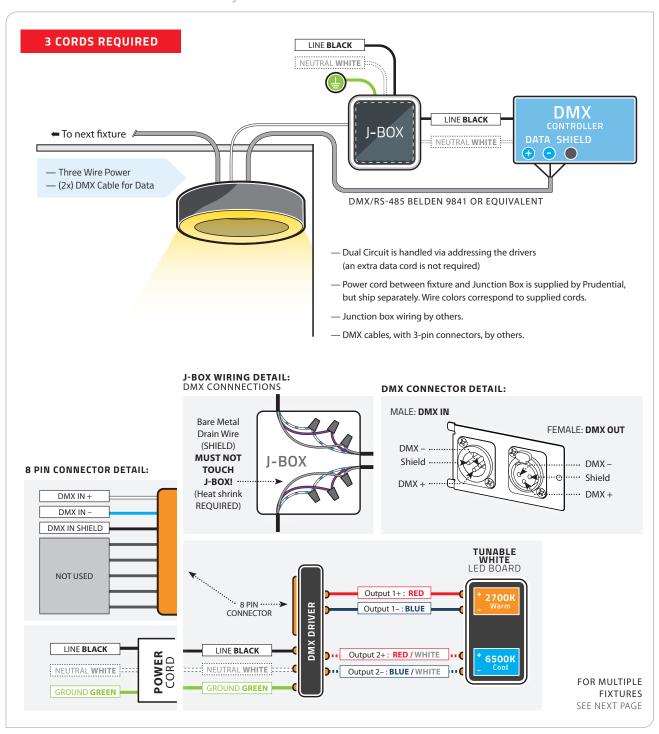


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D1/D9 - SC - DMX

DMX Control of Color & Intensity



Tunable White | Color Tuning

Submitted By

Catalog Number
O-40 TU HO FWA TMW D9 DC UNV SSC3 X6 DMX EDMX

Notes

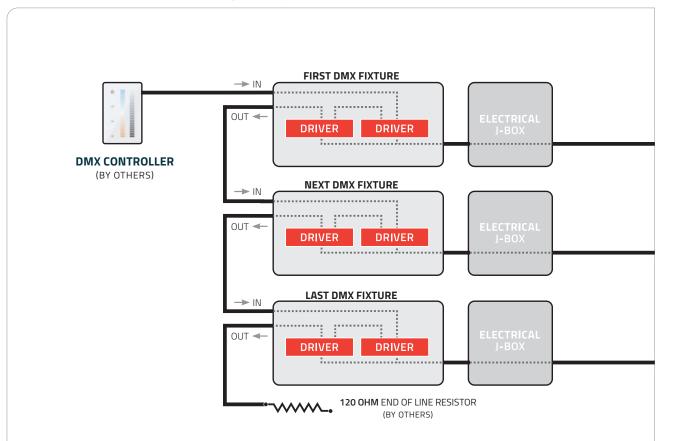




Туре

D1/D9 - SC - DMX

DMX Control of Color & Intensity, Multiple Fixtures



RECOMMENDATIONS

- Fixtures must be daisy chained. (Drivers internal to fixture and daisy chained)
- Maximum 32 drivers per controller, consult factory for quantity of drivers per fixture.
 If more than 32 drivers a DMX booster / repeater (by others) must be used.
- Keep DMX cable less than 1000ft between controller and end of line resistor.
- Cables connecting fixtures must be designed for DMX/RS-485, Beldin 9841 or equivalent.
- If more than one zone, fixtures per zone must be specified.

mable writte | Color Turning

Catalog Number
O-40 TU HO FWA TMW D9 DC UNV SSC3 X6 DMX EDMX

Notes



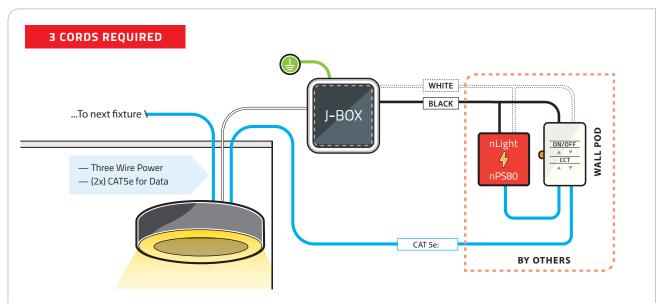
O | Pendant & Surface



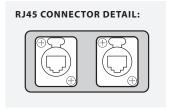
Туре

SC - nLight

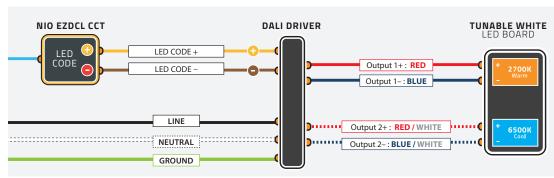
(nLight Control of Color & Intensity, One Fixture)



- Cords (Power and Data) between fixture and Junction Box are supplied by Prudential, but ship separately. Wire colors correspond to supplied cords.
- Wiring from Junction Box to Controllers is by others.
 Wire colors are for illustration purposes only.
- CAT5e cables by others.



LIGHTING FIXTURE INTERNAL DETAILS:







Catalog Number O-40 TU HO FWA TMW D9 DC UNV SSC3 X6 DMX EDMX



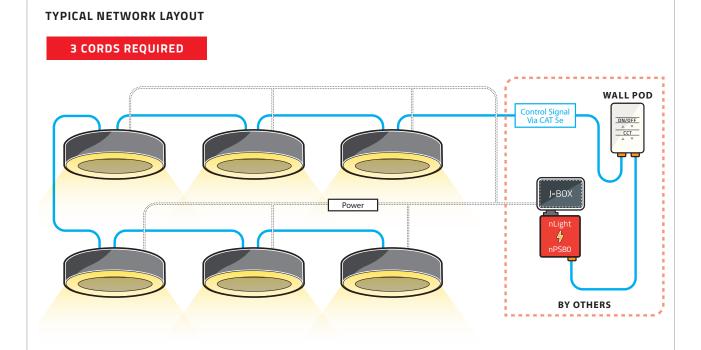
O | Pendant & Surface



Туре

SC - nLight

(nLight Control of Color & Intensity, Multiple Fixtures)



- All nLight RJ45 ports are interchangeable (no dedicated IN or OUT).
- nLight zones must have a net positive amount of bus power. See table below for bus power consumption as a function of fixture size and output. Bus power is supplied by power/relay packs (nPP16 family and nPS80), power supplies (PP20 PL BP and nPANELS), nLight enabled fixtures, and bridges.

		BUS POWER CONSUMPTION LO MO SO HO																		
	LO MO SO HO																			
	D1	D9	SC	DC	D1	D9	SC	DC	D1	D9	SC	DC	D1	D9	SC	DC				
0-20				N/A								6 mA								
0-20		3 mA		C A		3 mA		6 mA	6 mA	3 mA	9 mA		04		04		6 mA	3 mA	9 mA	
0-20				6 mA							9 r	nA								



Submitted By 16500, INC Catalog Number PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS CN21XXX

Notes

selux

Туре

Piix™ MRC

LED Linear Direct/Indirect



Order Code:	PXLDI	-					-	-		
Order Code.	Series	PXLDI Piix™ MRC (Mic LED Linear Dire	cro Reflector Ce	ell)					- — —	
	Direct Light Engine	1B45 ^{1,2} 1150lm/10.9W per foot	1B40 ^{1,2} 1045lm/9.7W per foot	1B30 ¹ 803lm/7.4W per foot	1B20 ¹ 543lm/4.9W per foot					¹ Values calculated from a 4' fixture at 4000K, 90+ CRI using 35° (wide) reflector, no secondary optics and DIM driver
	Indirect Light Engine	1C35 ³ 701lm/8.7W per foot	1C30 ³ 627lm/7.3W per foot	1C25 ³ 500lm/6.1W per foot	1C20 ³ 415lm/4.9W per foot					3 Values calculated from a 4' fixture at 90 CRI, 3500K with ID lens and DIM driver.
	ССТ	927 2700K 90+ CRI	930 3000K 90+ CRI	935 3500K 90+ CRI	940 4000K 90+ CRI	TW 2700K-6500K My White 90+ (consult facto	CRI			*CCT selected will apply to both direct and indirect distributions.
	Direct Optics	10 10° Very Narrov (beam angle 20	20 v 20° Na O°) (beam	rrow angle 40°)	35 35° Medium (beam angle	50 50° Wide				
	Secondary Optics	CL Clear Lens (defined edge)	DF 30% Diffuse Lens (soft edge)	LF 5% Lightly Diffuse Lens (soft edge)	HX Hexcell Louver	XX No Secondary Optics (defined edge)				
	Baffle Finish	PW Matte White	PB Matte Black	(erricage)		(======================================				
	Indirect Shielding	ID Indirect Diffuse Optic	IB Indirect Batwing Optic	с						
	Mounting	C Cable	S Swivel Stem	RS Rigid Stem	W Wall Mount					
	Nominal Fixture Length	02 03 2 ft. 3 ft.	04 05 4 ft. 5 ft						nearest foot and replace the aires with OAL <8', please co	
	Finish	WH White	BL Semi-Matte Black	SV Silver	SP Specify Premium Col	lor				* Custom colors are available, please consult factory
	Voltage	1 120V	2 277V	U 120V through 277V 50/60Hz capable		ry)				
	Driver	DIM ⁴ 0-10V 1% (Linear)	DIL ⁴ eldoLED 1% ECOdrive 0-10V (Logarithmic)	DED ⁴ eldoLED 1% ECOdrive DALI (Logarithmic)	D01 ⁴ eldoLED 0.1% SOLOdrive 0-10' (Linear)	DL014 eldoLED 0.1% V SOLOdrive 0-10V (Logarithmic)	DC2 ^{4,5} Lutron 1% 2-Wire	DE1 ⁴ Lutron 1% Eco-System	DC3 Lutron 1% 3-Wire (consult factory)	*See page 6 for full details *120V only
	Fixture Options	FS In-line Fuse	SS Separate Switching							
	Sensor Options	xE Enlighted (consult factory) Replace "x" with a	, .	xS2 ^{6,7} Sensor Switch Occ/Vac	xS3 ^{6,7} Sensor Switch Occ/Vac/ Daylight	xSN nLight Enabled (consult factory)	Lutron Vive (consult factory)			See page 9 for full details and restrictions For use with DIM or DIL driver only
	Emergency Options	EC Emergency Circuit Wiring	EMR Remote Micro nverter (consult	EM8,9,10 Integral EM Battery Pack						See page 8 for full details and restrictions For EM with sensors please consult factory EM available in 4' and ≥6'. Please consult factory for 5'.
	Configuration Options	L9 ¹¹ Horizontal 90° Corner	T9 ¹¹ Lit "T" section	X9 ¹¹ Lit "X" section						¹¹ See page 11 for full details and restrictions























Submitted By 16500, INC Catalog Number
PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS
CN21XXX

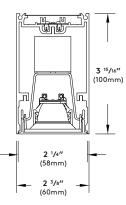
Notes

20

Туре

selux

Piix™ MRC LED Linear Direct/Indirect



Construction:

Housing - Continuous, low copper 6063-T6 extruded aluminum profile with aluminum endcaps, available as Individual fixtures (up to 8') or Runs.

Faceplate - Extruded aluminum profile with laser cut cells for accuracy.

Baffles - Injection molded nylon material with a semi-matte Black or White finish.

Reflectors - Precision-designed, injection molded polycarbonate material for accurate distributions and powerful lighting effects. Four different distributions available – 10° Very Narrow (20° beam angle), 20° Narrow (40° beam angle), 35° Medium (70° beam angle), or 50° Wide (100° beam angle).

Optional Optics - Clear Lens (CL), Diffuse Lens (DF), Lightly Diffuse Lens (LF), or Hexcell Louver (HX), snaps in behind the baffle. Optics cannot be combined within the same cell.

Indirect Optics – Indirect Diffuse Optic (ID) is diffuse lensing sheet that secures in features of the extrusion. Indirect Batwing Optic (IB) is lensing sheet that secures in features of the extrusion.

Mounting(s) - 3/64" Aircraft Cable, Ø5/6" Swivel or Rigid Steel Stem, Wall Bracket (see pages 3 through 6 for details). Aircraft cables (C) are adjustable along the length of the fixture, but should not be moved more than 6" from ends to allow for proper support.

Standard Luminaire Lengths - All standard luminaires are supplied in nominal lengths to ensure even distribution of optical cells. Runs and Configurations are available in approximately 2' increments (due to MRC size) starting at the nominal 8' fixture length.
**Individual luminaires are not joinable in the field.

Exact Length Lunimaries - Individual luminaires, Runs, and Configurations are available to meet your project needs. Please consult factory with your requirements.

PX Joiner – Runs and Configurations are supplied in multiple housings that are joined together in the field using the supplied PX Joiner system. This allows ease of installation (see page 7 for details).

Weight - 2.5 lb. per foot

Electrical/Performance:

LED Light Engine - Brand-name mid-power LEDs create a high efficiency LED light engine with a reported lumen maintenance of 97.3% at 10,000 hours, 180 mA drive current and >55°C case temperature. Calculated L80 lumen maintenance of > 60,000 hours @ 25°C. Lumen maintenance values calculated in accordance to TM-21 procedures based on LM-80 compliant reported measurement data. For Title 24 compliant model numbers, please consult factory.

Photometrics - Consult website or factory for IES Files. Photometric lumen measurement complies with IES LM-79-08 testing procedures. Due to the LED manufacturer's tolerances, the listed output has a ±5% tolerance. For outputs based on different optics or CCT, please see pages 12-16 for details.

CCT - Available in 2700K, 3000K, 3500K, and 4000K, tolerance within a 3-step MacAdam ellipse. My White Tunable White (TW) 2700K-6500K available - consult factory.

CRI - 90+.

All Drivers - High efficient, constant current, soft start, Electronic Class 2 with a PFC>0.90. For more detailed information on the available drivers, please see page 6.

Sensors - Selux offers a variety of integral sensor options. For details and specifications, please see page 9.

Emergency - There are multiple emergency options available - emergency circuit, remote micro inverter, and integral battery. All options compliant with UL 924 listed emergency luminaire. Please consult factory for use of sensors with emergency option. For more details on EC and EM options, see page 8.

Thermal Performance:

Ambient Operating Temperature - Luminaires are suitable for maximum ambient temperature of 35°C (95°F) for all drivers.

Luminaires are suitable for minimum ambient temperatures of -40°C (-40°F) for DIM, DIL, DED, D01, and DL01 drivers; 0°C (32°F) for DC2 and DE1 drivers.

Luminaire Finish:

Powder Coat - All Selux luminaries are finished in high quality polyester powder coating in our Tiger Drylac certified facility and are tested in accordance with test specifications for coatings from ASTM and PCI.

All products undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated, and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultra violet resistance for color retention.

Standard colors for Piix™ MRC are White (WH), Semi-Matte Black (BL), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

Warranty:

5 Year Limited LED Luminaire Warranty -

Selux offers a 5 Year Limited Warranty to the original purchaser that the Piix™ MRC luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED light engine when installed according to Selux instructions and operated within the Ambient Temperature. For additional details and exclusions, see "Selux Terms and Condition of Sale."

Certifications and Compliance:

NRTL - For dry locations (i.e. cULus, cCSAus) NRTL - For damp locations with the clear or

diffuse secondary optics (i.e. cULus, cCSAus)

ARRA Compliant

ADA Compliant when mounted parallel to the wall RoHS Compliant



Submitted By 16500, INC Catalog Number
PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS
CN21XXX

Notes

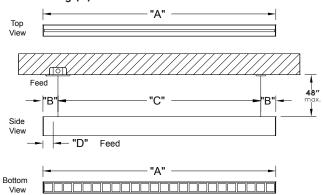
Type

Piix™ MRC LED Linear Direct/Indirect

selux

Cable Mounting (C)

08 (8 ft.)



		Cabl	e Mountino	g (C) - Dime	nsions				
Nominal Length	"A" Housing Le	ngth	Typical Mou	' (Ref.) nting Distance I Installation	"C" Mid. Suspe	nsion	"D" Feed Location		
	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	
02 (2 ft.)	2' - 0 5/16"	617	0' - 2 1/8''	54	1' - 8 1/16"	509	0' - 1 1/8"	29	
03 (3 ft.)	3' - 0 5/16"	922	0' - 3 1/8''	79	2' - 6 1/16"	763	0' - 2 1/8"	54	
04 (4 ft.)	4' - 0 5/16"	1227	0' - 3 1/8"	79	3' - 6 1/16"	1068	0' - 2 1/8"	54	
05 (5 ft.)	5' - 0 5/16"	1531	0' - 3 1/8"	79	4' - 6 1/16"	1373	0' - 2 1/8"	54	
06 (6 ft.)	6' - 0 5/16''	1836	0' - 3 1/8"	79	5' - 6 1/16"	1677	0' - 2 1/8"	54	
07 (7 ft.)	7' - 0 5/16''	2141	0' - 3 1/8"	79	6' - 6 1/16"	1982	0' - 2 1/8"	54	

*Dimension(s) rounded to the nearest 1/16" with a ± 1/16" (1mm) tolerance.

7' - 6 1/16" | 2287 | 0' - 2 1/8" | 54

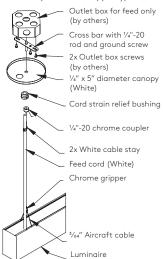
Cable Mounting (C)



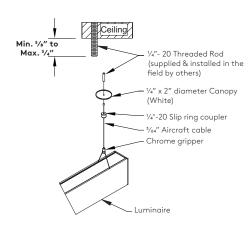
1. Ø 3/64" Aircraft Cable with chrome gripper for easy adjustment (48" max. from ceiling to luminaire).

PXLDI Cable(C) Suspension Detail (Feed location(s) only)

2446 0' - 3 1/8"



PXLDI Cable (C) Suspension Detail (Non-Feed location(s) only)





Submitted By 16500, INC

Catalog Number PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS CN21XXX

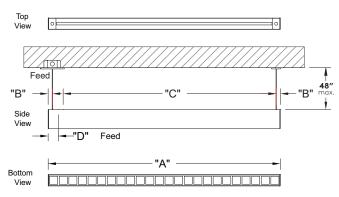
Notes

Туре

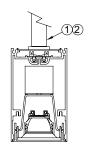
Piix™ MRC LED Linear Direct/Indirect

selux

Stem Mounting (S & RS)



Stem Mounting (S & RS)



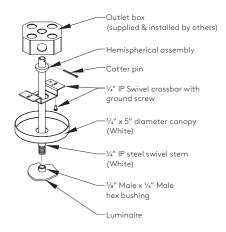
- 1. Ø 5/8" Swivel Stem provides 30° swivel and can be cut in field (48" max. from ceiling to luminaire).

 2. Ø 5%" Rigid Stem is fixed and is **not able to be cut/adjusted**
- in field (48" max. from ceiling to luminaire).

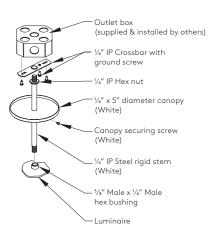
	Swivel (S) & Rigid Stem (RS) Mountings - Dimensions													
Nominal Length	"A" Housing Length			* "B" (Reference) End Suspensions		nsion	"D" Feed Location							
	Feet/Inch	ММ	Feet/Inch	мм	Feet/Inch	ММ	Feet/Inch	ММ						
02 (2 ft.)	2' - 0 5/16"	617	0' - 0 7/8"	22	1' - 10 %16''	573	0' - 0 7/8"	22						
03 (3 ft.)	3' - 0 5/16"	922	0' - 0 7/8"	22	2' - 10 %16"	877	0' - 0 7/8"	22						
04 (4 ft.)	4' - 0 5/16''	1227	0' - 0 7/8"	22	3' - 10 %16''	1182	0' - 0 7/8"	22						
05 (5 ft.)	5' - 0 5/16"	1531	0' - 0 7/8"	22	4' - 10 %16"	1487	0' - 0 7/8"	22						
06 (6 ft.)	6' - 0 5/16''	1836	0' - 0 7/8"	22	5' - 10 %16''	1792	0' - 0 7/8"	22						
07 (7 ft.)	7' - 0 5/16''	2141	0' - 0 7/8"	22	6' - 10 %16''	2097	0' - 0 7/8"	22						
08 (8 ft.)	8' - 0 5/16''	2446	0' - 0 7/8"	22	7' - 10 %16"	2401	0' - 0 7/8"	22						

^{*}Dimension(s) rounded to the nearest $\frac{1}{16}$ " with a $\pm \frac{1}{16}$ (1mm) tolerance.

PXLDI Swivel Stem (S) Suspension Detail (feed wires through stem supplied by Selux)



PXLDI Rigid Stem (RS) Suspension Detail (feed wires through stem supplied by Selux)





Submitted By 16500, INC

Catalog Number
PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS
CN21XXX

Notes

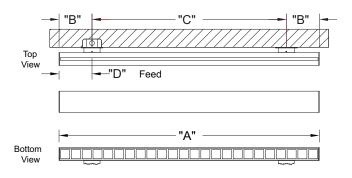
selux

Туре

Piix™ MRC LED Linear Direct/Indirect

Wall Mounting (W)

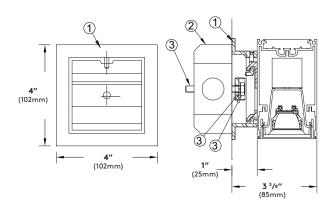
For patterns and configurations that include a wall mounted option, please see page 9 for details.



	Wall (W) - Dimensions													
Nominal Length	"A" Housing Length			* "B" (Reference) End Suspensions			"D" Feed Location							
	Feet/Inch	mm	Feet/Inch	mm	Feet/Inch	mm	Feet/Inch	mm						
02 (2 ft.)	2' - 0 5/16"	617	0' - 3 1/8"	79	1' - 6 1/16"	458	0' - 3 1/8"	79						
03 (3 ft.)	3' - 0 5/16"	922	0' - 6 1/8"	156	2' - 0 1/16''	611	0' - 6 1/8"	156						
04 (4 ft.)	4' - 0 5/16"	1227	0' - 6 1/8"	156	3' - 0 1/16''	915	0' - 6 1/8"	156						
05 (5 ft.)	5' - 0 5/16''	1531	0' - 6 1/8"	156	4' - 0 1/16"	1220	0' - 6 1/8"	156						
06 (6 ft.)	6' - 0 5/16''	1836	0' - 6 1/8"	156	5' - 0 1/16''	1525	0' - 6 1/8"	156						
07 (7 ft.)	7' - 0 5/16"	2141	0' - 6 1/8"	156	6' - 0 1/16''	1830	0' - 6 1/8"	156						
08 (8 ft.)	8' - 0 5/16"	2446	0' - 6 1/8"	156	7' - 0 1/16"	2135	0' - 6 1/8"	156						

*Dimension(s) rounded to the nearest ½6" with a ± ½6" (1mm) tolerance.





- 1. Aluminum wall bracket (by Selux).
- 2. $4^{\prime\prime}$ x $4^{\prime\prime}$ J-box at feed location (supplied and installed by others).
- 1/4"-20 Threaded rod, 1/4"-20 lock washer and 1/4"-20 nut required to anchor the wall bracket. Mounting hardware supplied and installed to code by others.



Submitted By 16500, INC Catalog Number PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS

CN21XXX

Notes

Piix™ MRC LED Linear Direct/Indirect



Туре

Drivers:

0-10V linear dimming (DIM)

Luminaires supplied with drivers offering the capability of either normal switched operation or 0-10V dimming for linear dimming curve. Fixtures ship wired for dimming. For on/off functionality, simply cap the dimming leads. Minimum dimming level preset at factory to 1%.

0-10V logarithmic eldoLED ECOdrive dimming (DIL)

Luminaires supplied with drivers offering the capability of either normal switched operation or 0-10V dimming for logarithmic dimming curve. Fixtures ship wired for dimming. For on/off functionality, simply cap the dimming leads. Minimum dimming level preset at factory to 1%.

eldoLED ECOdrive DALI dimming (DED)

Luminaires supplied with ECOdrive DALI dimming driver for logarithmic dimming curve. Minimum dimming level preset at factory to 1%. For "dim to dark" (down to 0.1%), please consult factory.

eldoLED SOLOdrive 0-10V linear dimming (D01)

Luminaires supplied with SOLOdrive 0-10V dimming driver for linear dimming curve. Minimum dimming level preset at factory to 0.1% and "dim to dark".

eldoLED SOLOdrive 0-10V logarithmic dimming (DL01)

Luminaires supplied with SOLOdrive 0-10V dimming driver for logarithmic dimming curve. Minimum dimming level preset at factory to 0.1% and "dim to dark".

LUTRON 2-wire dimming (DC2)

Luminaires supplied with Hi-Lume 2-wire dimming driver (120V only) programmed for Constant Current Reduction (CCR). For Pulse Width Modulation (PWM) dimming, please consult factory. Minimum dimming level down to 1%.

LUTRON EcoSystem dimming (DE1)

Luminaires supplied with Hi-Lume EcoSystem (4 wire, digital link) dimming driver programmed for Constant Current Reduction (CCR). Minimum dimming level down to 1% with SoftOn/FadeToBlack.

* For control recommendations, pleae contact driver manufacturer

	* Driver Quantity											
Fixture Length												
Dimming Protocol	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	RUN				
DIM, DIL, DC2, DE1	1	2	2	4	4	4	4	Approximately 1 drive per 4 ft.				
DED, D01, DL01	1	1	2	3	4	4	4	Approximately 1 drivers per 4 ft.				

^{*}For inrush and control current, please refer to the driver manufacturers' spec sheets.



Submitted By 16500, INC Catalog Number
PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS
CN21XXX

Notes

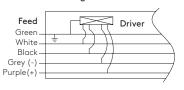
Type

Piix™ MRC LED Linear Direct/Indirect



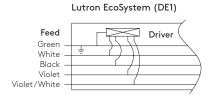
Wiring Diagrams

0-10V linear (DIM)
0-10V logarithmic eldoLED ECOdrive (DIL)
DALI logarithmic eldoLED ECOdrive (DED)
0-10V linear eldoLED SOLOdrive (D01)
0-10V logarithmic eldoLED SOLOdrive (DL01)

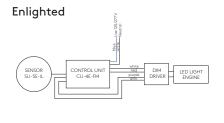


Standard Wiring supplied for all drivers	Green = Ground White = Neutral Black = Hot							
- The following wire(s) are in addition to the standard above -								
DIM, DIL, DED, D01, DL01	Gray = (-) DALI or 0-10V Dimming Control Purple = (+) DALI or 0-10V Dimming Control							
DC2	No additional wires							
DE1	Violet = "E1" Digital Link Dimming Control Violet/White = "E2" Digital Link Dimming Control							

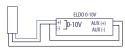
Lutron 2-Wire (DC2) Feed Driver Green White Black



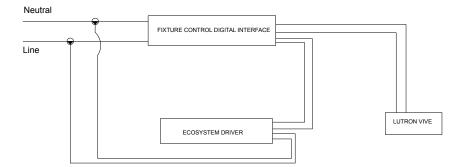
Sensor Wiring Diagrams



Sensor Switch



Lutron Vive





Submitted By 16500, INC Catalog Number PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS

Notes

CN21XXX

selux

Туре

Piix™ MRC LED Linear Direct/Indirect

Fuse (FS) - Fusing, luminaires supplied with a in-line fuse located on the hot wire for each feed. (supplied with an 8A slow burn fuse).

Separate Switching (SS) - Luminaires available with separately switched 4' (nominal) sections starting at 7' and up. Luminaire is intended to be wired to the same panel/breaker (not intended for Emergency use).

- * To specify this option, the number of separately switched sections an locations of these sections must be provided at time of order.
- * If the project requires different separate switching than outlined above please consult the factory.
- * For Separate Switching with sensors, please consult factory.

Emergency Circuit (EC) - Luminaires with EC option are compliant to UL 924 listed emergency luminaire. EC luminaires are intended to be wired to separate panels/breakers for emergency use. See install instructions for proper wiring.

For 2' to 6' nominal luminaires, the entire fixture is wired for operation on emergency circuit.

For 7' and up nominal luminaires, the first 4' nominal length is wired for operation by a separate dedicated emergency circuit by default to meet the required "Life Safety Code" (NFPA 101).

If a different configuration is needed, please consult factory.

Note: Wiring may vary slightly due to on site conditions or local codes. Please follow all safety instillation protocols contained withing install instructions when installing luminaire.

Emergency Battery (EM) - Luminaires with EM option compliant to UL 924 listed emergency luminaire. The EM battery is located integral to fixture and is factory pre-wired. See install instructions for proper wiring.

In the event of an emergency, EM battery will illuminate a 4' section at 12W (constant) for 90 minutes at 25°C. Recharge time is 24 hours.

Direct fixtures are available for Emergency battery use in 4' and \geq 6. Due to size constraints, EM is not available in 5' fixtures.

For individual fixtures, emergency option will illuminate the first 4' section of fixture. For continuous runs, please consult factory to advise on 4' section intended for emergency use.

For fixtures >8' or if a different configuration is needed, please consult factory.

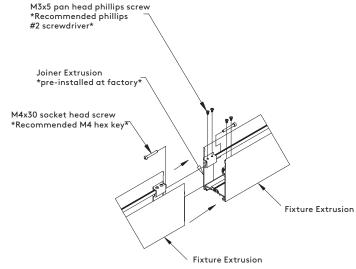
Emergency test switch is located in faceplate adjacent to the length of fixture wired for emergency.

Emergency battery option is UNV for use with 120V or 277V and is not available for 347V.

- * Please note battery pack requires an unswitched hot.
- * For EM with sensors, please consult factory.
- * If a different configuration is needed, please consult factory.

Note: Wiring may vary slightly due to on site conditions or local codes. Please follow all safety instillation protocols contained withing install instructions when installing luminaire.

Joiner System - standard for Runs and Configurations





Submitted By 16500, INC Catalog Number
PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS
CN21XXX

Notes

Type

Piix™ MRC LED Linear Direct/Indirect



Sensor Ordering Chart									
Quantity	Sensor	Settings*							
x Number of Sensors	E Enlighted SU-5E-IL	1 Daylight							
	S Sensor Switch MSD EZ	2 Occupancy/Vacancy							
	V Lutron Vive DFCSJ	3 Daylight/Occupancy/Vacancy							
		* Settings not available with Enlighted							

Enlighted SU-5E-IL (E)

Enlighted Micro Sensor SU-5E-IL (Independent Lighting) provided as standard with an Enlighted CU-4E-FM Fixture Mount Control Unit integral to fixture. If SU-5E-CL (Connected Lighting) or SU-5E-IoT (Internet of Things) is desired, please contact factory. Occupancy/vacancy, thermal, daylight sensing plus Tunable White, Room & Zone control, Internet of Things (IoT) data collection and reporting control. For full details, please see SU-5E-(IoT/CL/IL) spec sheet on the Enlighted website. Must be paired with a 0-10V driver with auxiliary (DIM driver selection). Commissioning by Enlighted.

Sensor Switch MSD EZ (S)

Occupancy/vacancy and daylight harvesting. For full functionality and programming options, select settings option 3. If a different settings option is selected, other settings may be unavailable. For full details, please see MSD EZ spec sheets on the Sensor Switch website. Must be paired with DIM driver selection. Manual control of dimming not available with MSD EZ sensor.

*Sensor can control up to 30 drivers. Please refer to driver quantity chart on page 6. Multiple sensors may be required for longer lengths.

Lutron Vive DFCSJ (V)

The DFCSJ-OEM-OCC provides the capabilities of daylight harvesting and occupancy/vacancy sensing. When integrated with the DFC-OEM-DBI (Fixture Control Digital Link Interface), the sensor is wirelessly compatible with the DE1 Lutron EcoSystem driver. Commissioning by certified Lutron technician.

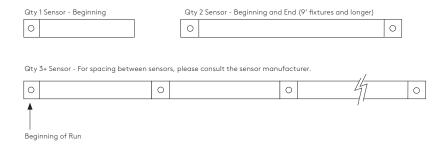
*Vive DFCSJ sensor can control up to a maximum of five (5) drivers per sensor. Please refer to driver chart on page 6. Multiple sensors may be required for longer lengths.

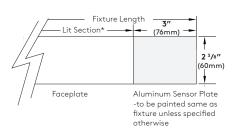
	Occupancy	Vacancy	Daylight Harvesting	Driver Compatibility
Enlighted SU-5E-IL (E)	√	√	√	DIM
Sensor Switch MSD EZ (S)	√	√	√	DIM
Lutron Vive DFCSJ (V)	✓	√	√	DE1

Please contact controls manufacturer for details prior to specifying.

- Factory Presets Sensors come from the sensor manufacturer with factory presets for each of the settings in above chart. Please see sensor manufacturers' spec sheets for details on presets and re-programming.
- **Commissioning -** Commissioning of sensors and installation by others. Contact sensor manufacturer for details and costs associated with commissioning the system prior to specification of sensors.

Standard Sensor Placement - for other placement options, please consult factory. For functionality and limitations, please see sensor details above.





*Lit section will be the fixture length minus 3" for sensor plate.

Notes: 1. For spacing between sensors, please consult the sensor manufacturer.

- 2. Exact sensor placement and coverage will be defined by approved factory drawing.
- 3. Sections controlled by sensors may not be symmetrical consult factory for layout.

^{*}Sensor can control up to 5 drivers. Please refer to driver quantity chart on page 6. Multiple sensors may be required for longer lengths.



Submitted By 16500, INC

Catalog Number PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS CN21XXX

Notes

Туре

Piix™ MRC LED Linear Direct/Indirect



Standard Direct/Indirect (PXLDI) shapes/configurations:

Listed below are the minimum lengths and details for standard shapes. These standard shapes can be combined with each other and/or the standard luminaire lengths, ensuring full even illumination. If you have any questions, please consult the factory.

The minimum standard lengths for "L" shapes:

- L9 or V9 open shapes is 2' x 2' nominal (example: leg, 90, leg)
- L9 or V9 closed shapes is 4' x 4' nominal (example: 90, leg, 90)
- L9 & V9 corners can be joined directly together to provide a 4' x 4' nominal shape.
- * L9 corners are not lit.
- * For sensors in configurations, please consult factory.

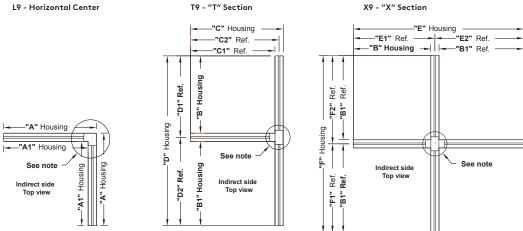
For patterns and configurations that include a wall mounted option, please consult factory to identify location, on which side of housing and spacing of brackets required.

The minimum standard lengths for "T" & "X" shapes:

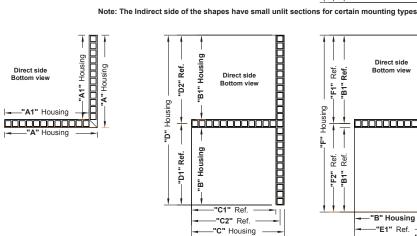
- T9 = 2' nominal on the short leg and 4' nominal on the long side
- X9 = 4' nominal for either direction
- * T9 and X9 direct corners are lit with an MRC in the corner.

Project Specific Direct/Indirect shapes/configurations:

Selux is capable of supplying a wide range of project solutions including different shapes, angles, and sizes to meet the project requirements. Due to the complex nature of these project specific layout(s) we ask that you please consult the factory with the project requirements for review.



Note: The Indirect side of the shapes have small unlit sections for certain mounting types (consult factory).





Catalog Number PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS CN21XXX

Notes

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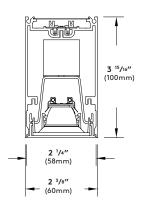
Туре

Piix™ MRC LED Linear Direct/Indirect

Standard Direct/Indirect (PXLDI) shapes/configurations:

Direct/Ind	lirect PXLDI C	orner a	nd Section	- Dime	ensions		
	L9		T9		Х9		
Nominal Length	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	
"A" Housing (Outside)	2' - 2 3/16"	666	N/A	N/A	N/A	N/A	
"A1" Housing (Inside)	1' - 11 13/16''	606	N/A	N/A	N/A	N/A	
"B" Housing	N/A	N/A	1' - 9 13/16''	555	1' - 11 13/16"	606	
* "B1" Ref.	N/A	N/A	1' - 11 ¹³ / ₁₆ "	606	1' - 11 13/16"	606	
"C" Housing	N/A	N/A	2' - 2 3/16"	666	N/A	N/A	
* "C1" Ref.	N/A	N/A	1' - 11 ¹³ / ₁₆ ''	606	1' - 9 13/16"	555	
* "C2" Ref.	N/A	N/A	2' - 1"	636	N/A	N/A	
"D" Housing	N/A	N/A	4' - 0 1/16"	1220	N/A	N/A	
* "D1" Ref.	N/A	N/A	1' - 11"	585	N/A	N/A	
* "D2" Ref.	N/A	N/A	2' - 1"	636	N/A	N/A	
"E" Housing	N/A	N/A	N/A	N/A	4' - 0 1/16"	1220	
* "E1" Ref.	N/A	N/A	N/A	N/A	1' - 11"	585	
* "E2" Ref.	N/A	N/A	N/A	N/A	2' - 1"	636	
"F" Housing	N/A	N/A	N/A	N/A	4' - 2 1/16"	1271	
* "F1" Ref.	N/A	N/A	N/A	N/A	2' - 1"	636	
* "F1" Ref.	N/A	N/A	N/A	N/A	2' - 1"	636	

^{*} Dimension(s) rounded to the nearest 1/16" (1mm) tolerance.





Submitted By 16500, INC Catalog Number PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS CN21XXX

Notes

Туре

Piix™ MRC LED Linear Direct/Indirect

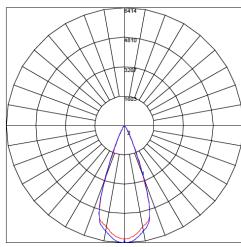
Photometry

Direct - 20° Optics / Clear Lens / 44W / 3500K



Catalog #: PXL-1B45-935-20-CL-X-04-XX-UNV Report #: 12546460.01 Delivered Lumens: 2946 Input Watts: 43.6 Efficacy: 67 lm/W CCT: 4000K CRI: 93.7

selux

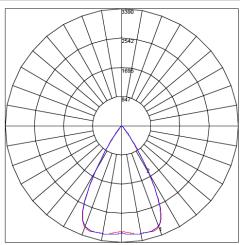


Maximum Candela = 6413.825 Located At Horizontal Angle = 0, Vertical Angle = .5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)

Direct - 35° Optics / Clear Lens / 44W / 3500K



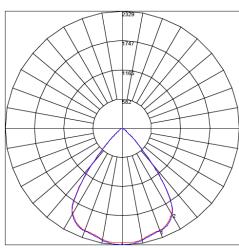
Catalog #: PXL-1B45-935-35-CL-X-04-XX-UNV Report #: 12546460.09 Delivered Lumens: 3361 Input Watts: 43.6 Efficacy: 77 Im/W CCT: 4000K CRI: 93.7



Direct - 50° Optics / Clear Lens / 44W / 3500K



Catalog #: PXL-1B45-935-50-CL-X-04-XX-UNV Report #: 12546460.05 Delivered Lumens: 3507 Input Watts: 43.6 Efficacy: 80 lm/W CCT: 4000K CRI: 93.7



Maximum Candela = 2329.063 Located At Horizontal Angle = 0, Vertical Angle = .5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)



Submitted By 16500, INC

Catalog Number PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS CN21XXX

Notes

Туре

Piix™ MRC LED Linear Direct/Indirect

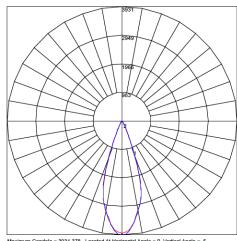
Photometry

Direct - 20° Optics / Hexcell Louver / 44W / 3500K



Catalog #: PXL-1B45-935-20-HX-X-04-XX-UNV Report #: 12546460.07 Delivered Lumens: 1386 Input Watts: 43.6 Efficacy: 32 lm/W CCT: 4000K CRI: 93.7

selux

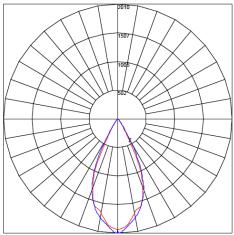


Maximum Candela = 3931.378 Located At Horizontal Angle = 0, Vertical Angle = .5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)

Direct - 35° Optics / Hexcell Louver / 44W / 3500K



Catalog #: PXL-1B45-935-35-HX-X-04-XX-UNV Report #: 12546460.06 Delivered Lumens: 1219 Input Watts: 43.6 Efficacy: 28 lm/W CCT: 4000K CRI: 93.7

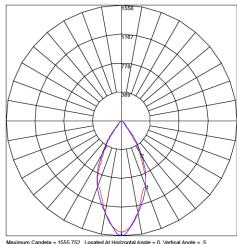


Maximum Candela = 2009.513 Located At Horizontal Angle = 0, Vertical Angle = .5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)

Direct - 50° Optics / Hexcell Louver / 44W / 3500K



Catalog #: PXL-1B45-935-50-HX-X-04-XX-UNV Report #: 12546460.03 Delivered Lumens: 1005 Input Watts: 43.6 Efficacy: 23 lm/W CCT: 4000K CRI: 93.7



Maximum Candela = 1555.752 Located At Horizontal Angle = 0, Vertical Angle = .5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)



Submitted By 16500, INC

Catalog Number PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS CN21XXX

Notes

Туре

Piix™ MRC LED Linear Direct/Indirect

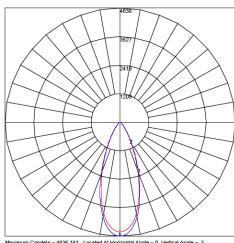
Photometry

Direct - 20° Optics / 30% Diffuse Lens / 44W / 3500K



Catalog #: PXL-1B45-935-20-DF-X-04-XX-UNV Report #: 12546460.04 Delivered Lumens: 2495 Input Watts: 43.6 Efficacy: 57lm/W CCT: 4000K CRI: 93.7

selux

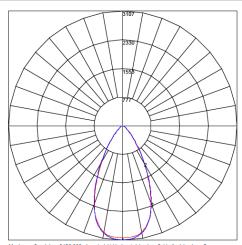


Maximum Candela = 4836.161 Located At Horizontal Angle = 0, Vertical Angle = .5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)

Direct - 35° Optics / 30% Diffuse Lens / 44W / 3500K



Catalog #: PXL-1B45-935-35-DF-X-04-XX-UNV Report #: 12546460.02 Delivered Lumens: 2768 Input Watts: 43.6 Efficacy: 63lm/W CCT: 4000K CRI: 93.7

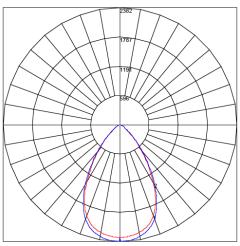


Maximum Candela = 3106.939 Located At Horizontal Angle = 0, Vertical Angle = .5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)

Direct - 50° Optics / 30% Diffuse Lens / 44W / 3500K



Catalog #: PXL-1B45-935-50-DF-X-04-XX-UNV Report #: 12546460.08 Delivered Lumens: 2875 Input Watts: 43.6 Efficacy: 66 lm/W CCT: 4000K CRI: 93.7



Maximum Candela = 2382.017 Located At Horizontal Angle = 0, Vertical Angle = .5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)



Submitted By 16500, INC Catalog Number PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS CN21XXX

Notes

Туре

selux

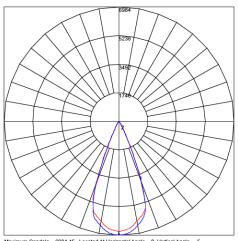
Piix™ MRC LED Linear Direct/Indirect

Photometry

Direct - 20° Optics / (XX) No Lens / 44W / 3500K



Catalog #: PXL-1B45-935-20-XX-X-04-XX-UNV Report #: 12472594.01 Delivered Lumens: 3429 Input Watts: 43.6 Efficacy: 79 lm/W CCT: 4000K CRI: 93.7

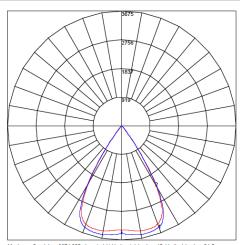


Maximum Candela = 6984.45 Located At Horizontal Angle = 0, Vertical Angle = .5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)

Direct - 35° Optics / (XX) No Lens / 44W / 3500K



Catalog #: PXL-1B45-935-35-XX-X-04-XX-UNV Report #: 12472594.02 Delivered Lumens: 3995 Input Watts: 43.6 Efficacy: 92 lm/W CCT: 4000K CRI: 93.7

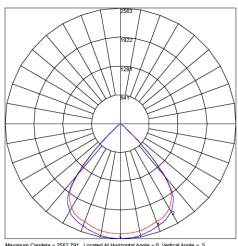


Maximum Candela = 3674.825 Located At Horizontal Angle = 45, Vertical Angle = 24.5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)

Direct - 50° Optics / (XX) No Lens / 44W / 3500K



Catalog #: PXL-1B45-935-50-XX-X-04-XX-UNV Report #: 12472594.04 Delivered Lumens: 4199 Input Watts: 43.6 Efficacy: 96 lm/W CCT: 4000K CRI: 93.7



Maximum Candela = 2562.791 Located At Horizontal Angle = 0, Vertical Angle = .5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)



Submitted By 16500, INC

Catalog Number PXLDI IB20 IC20 TW 50 DF PW IB C 08 WH 1 DMX SS CN21XXX

Notes

Туре

Piix™ MRC LED Linear Direct/Indirect

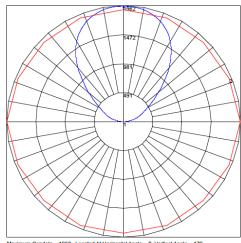
Photometry

Indirect - Diffuse lens / 35W / 3500K



Catalog #: PXLDI-XXXX-1C35-935-XX-ID-X-04-XX-UNV Report #: 12472594.08 Delivered Lumens: 4158 Input Watts: 35 Efficacy: 112 lm/W CCT: 4000K CRI: 93.7

selux



Maximum Candela = 1962 Located At Horizontal Angle = 0, Vertical Angle = 179 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) # 2 - Horizontal Cone Through Vertical Angle (179) (Through Max. Cd.)

Indirect - Batwing lens / 35W / 3500K



Catalog #: PXLDI-XXXX-1C35-935-XX-IB-X-04-XX-UNV Report #: 12546460.13A Delivered Lumens: 4273 Input Watts: 35 Efficacy: 122 lm/W CCT: 4000K CRI: 93.7

Piix™ Linear Direct/Indirect									
CCT Multiplier*									
4000K	1.000								
3500K	0.913								
3000K	0.903								
2700K	0.903								
Direct Lens N	/ultiplier*								
CL	0.84								
HX	0.31								
DF	0.69								
XX	1.00								
Indirect Lens I	Indirect Lens Multiplier**								

^{*}Values calculated from a 4' fixture at 4000K, 90+ CRI using 35° reflector and DIM driver.

ID

ΙB

Maximum Candela = 1384.56 Located At Horizontal Angle = 90, Vertical Angle = 157.5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.) # 2 - Horizontal Cone Through Vertical Angle (157.5) (Through Max. Cd.)

Note: Due to the amount of variation of lens/ distribution options possible, please import and align the individual, direct, and indirect IES files and group within the photometric program you are using. CCT multipliers apply to the photometry, IES files, and per foot values listed on page 1 (light engine).

1.00

0.95

^{**} Values calculated from a 4' fixture at 3500K, 90+ CRI using ID optic and DIM driver.



Project 21-12877-4 Date 6/24/2021

Tunable White | Color Tuning

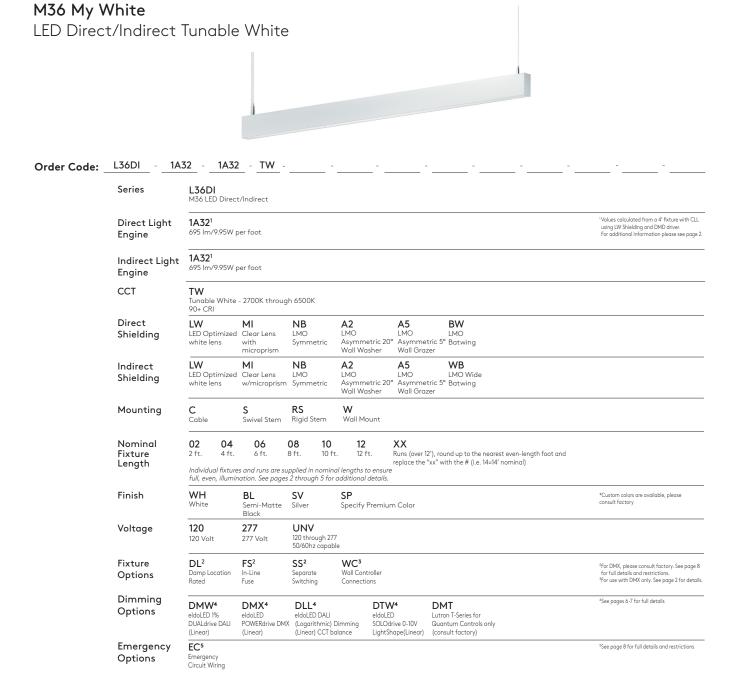
Catalog Number

L36DI 1A32 1A32 TW NB NB C 12 WH 120 SS DMX

Notes

Туре

selux















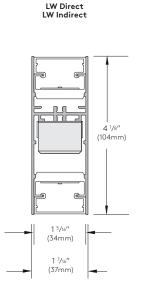




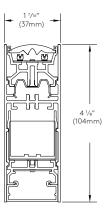
Submitted By 16500, INC Catalog Number L36DI 1A32 1A32 TW NB NB C 12 WH 120 SS DMX

Notes

M36 My White LED Direct/Indirect



WB Wide Batwing Lens Light Up Lens Indirect



selux

Туре

Construction:

Housing - Continuous, low copper 6063-T6 extruded aluminum profile with aluminum endcaps, available as Individual fixtures (up to 12') or Runs.

Geartray - Low copper 6063-T6 extruded aluminum profile.

Shielding - Extruded, impact resistant acrylic lens:

- LED Optimized White Lens (LW)
- Clear Lens with Microprism Inlay (MI)
- "LMO" Symmetric Lens (NB) "LMO" Asymmetric 5° Wall Grazer (A5)
- "LMO" Asymmetric 20° Wall Washer (A2) - "LMO" Wide Batwing (WB) - Indirect Only
- LED Optimized Light Up Lens (LU) Direct Only:
- LED Optimized Drop Lens (DL)
- Louvers: (VC) Specular, (VM) Matte Silver, (VB) Matte Black, (VW) Matte White
- -"LMO" Batwing (BW)
- "LMO" refers to the Selux proprietary LED optical system - Light Modulation Optics.

As a result of the color mixing LEDs, LW lens is recommended for the most uniform illumination, other lenses may allow the separation of colors to be visible.

Mounting(s)-1/16" Aircraft Cable, Ø1/2" Swivel or Rigid Steel Stem, Wall Bracket, (see pages 3 through 5 for details).

**Cable, Stem and Wall mountings may not be symmetrical for Runs due to the use of modular housing lengths. If symmetrical suspensions are required please consult the factory.

Standard Luminaire lengths - All standard luminaires are supplied in nominal lengths to ensure full, even, illumination. Runs are available in approximately 2' increments starting at the nominal 12' fixture length.

** Individual luminaires are not joinable in the field.

Exact length luminaires - Individual luminaires and runs are available in exact lengths to meet your project needs. Please consult factory with your requirements.

**Lens luminance may soften at the very ends of the straight sections for exact length luminaires.

M36 Joiner(s) - Runs are supplied with multiple housings that are joined together in the field using the supplied M36 Joining System. This allows ease of installation and ensures a uniform appearance (see page 7 for details).

Electrical/Performance:

Constant Lumen Level (CLL) Curve - Selux recommends utilizing the Constant Lumen Level (CLL) curve for the MyWhite product. This is achieved using an algorithm programmed into the controls for driving the two channels of the driver simultaneously so that while adjusting the CCT, the lumen output remains the same. For recommended controls for CLL, please consult Selux.

Max Output - An alternate way to control the output is by having each channel of the driver controlled individually while changing the CCT. Controlling the channels individually can result in a higher lumen level (see chart on Photometry page).

LED Light Engine - Brand-name mid-power LEDs create a high efficiency LED light engine with a reported luminous flux maintenance at 60,000 hours of 86% based on LM-80 test reports. The rated lumen maintenance life is L70 (10k) > 60,000 hours. Luminous flux values calculated in accordance to TM-21 procedures based on LM-80 compliant reported measurement data. For Title 24 compliant model numbers, please consult factory.

Photometrics - Consult website or factory for IES Files. Photometric lumen measurement complies with IES LM-79-08 testing procedures. Due to the LED manufacturer's tolerances, the listed output has a

CCT - Tunable CCT from 2700K through 6500K, tolerance within a 3-step MacAdam ellipse.

CRI - 90+.

Driver - High efficiency, constant current, soft start, Electronic Class 2 with a PFC>0.90. For more detailed information on the available drivers please see page 6.

Wall Controller - Optional wall controller can be ordered for use with DMX fixtures. See DMX controller spec sheet for more details.

Thermal Performance:

Ambient Operating Temperature - Luminaires suitable for maximum ambient temperature of 35°C (95°F). Minimum ambient temperature of -20°C

Luminaire Finish:

Powder Coat - All Selux luminaries are finished in high quality polyester powder coating in our Tiger Drylac certified facility and are tested in accordance with test specifications for coatings from ASTM and

All products undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated, and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color

Standard interior colors are White (WH), Semi-Matte Black and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

Warranty:

5 Year Limited LED Luminaire Warranty - Selux offers a 5 Year Limited Warranty to the original purchaser that the M36 My White LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED light engine when installed according to Selux instructions and operated within the Ambient Temperature. For additional details and exclusions, see "Selux Terms and Condition of Sale".

Certifications and Compliance:

NRTL - For Dry and Damp location (I.E. cULus; cCSAus) ADA Compliant ARRA Compliant RoHS Compliant



Submitted By 16500, INC Catalog Number L36DI 1A32 1A32 TW NB NB C 12 WH 120 SS DMX

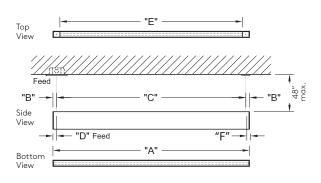
Notes

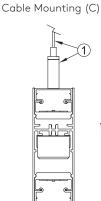
M36 My White LED Direct/Indirect

selux

Туре

Cable Mounting (C)



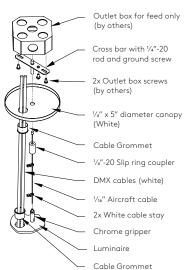


1. Ø ⅓₁₅″ Aircraft Cable with chrome gripper for easy adjustment (48″ max. from ceiling to luminaire).

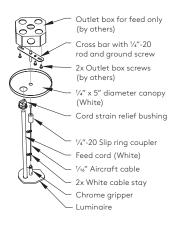
	Cable Mounting (C) - Dimensions													
Nominal Length			* "B" (Ref.) End Suspensions		"C" Mid. Suspens	"C" Mid. Suspension		"D" Power Feed		Length	"F" DMX In/Out			
	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ		
02 (2 ft.)	2' - 1/4''	616	0' - 7/8''	22	1' - 101/2"	572	0' - 3/8"	9	1' - 9"	534	0' - 3/8''	9		
04 (4 ft.)	4' - 1/4"	1225	0' - 7/8''	22	3' - 101/2"	1181	0' - 3/8"	9	3' - 9''	1143	0' - 3/8''	9		
06 (6 ft.)	5' - 105/8''	1794	0' - 7/8''	22	5' - 87/8''	1750	0' - 3/8"	9	5' - 7³/8''	1712	0' - 3/8''	9		
08 (8 ft.)	8' - 1/4"	2444	0' - 7/8''	22	7' - 10½"	2400	0' - 3/8"	9	7' - 9''	2362	0' - 3/8''	9		
10 (10 ft.)	9' - 105/8''	3013	0' - 7/8''	22	9' - 87/8''	2968	0' - 3/8"	9	9' - 73/8''	2931	0' - 3/8''	9		
12 (12 ft.)	12' - 3/16''	3662	0' - 7/8''	22	11' - 10³/8''	3617	0' - 3/8"	9	11' - 815/16''	3580	0' - 3/8''	9		

^{*}Dimension(s) rounded to the nearest 1/16'' with a ± 1/16'' (1mm) tolerance.

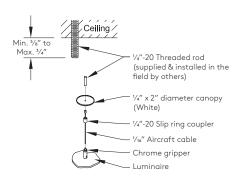
L36DI Cable (C) Suspension Detail (DMX Feed location(s) only)



L36DI Cable (C) Suspension Detail (Feed location(s) only)



L36DI Cable (C) Suspension Detail (Non-Feed location(s) only)





Submitted By 16500, INC Catalog Number L36DI 1A32 1A32 TW NB NB C 12 WH 120 SS DMX

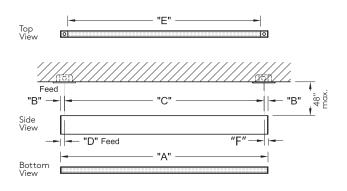
Notes

M36 My White LED Direct/Indirect

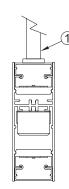
selux

Туре

Stem Mounting (S & RS)



Stem Mounting (S & RS)

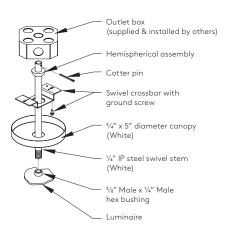


- 1. Ø ½" Swivel Stem provides 45° swivel and can be cut in field (48" max. from ceiling to luminaire).
- Ø ½" Rigid Stem is fixed and is not able to be cut/adjusted in field (48" max. from ceiling to luminaire). If the project requires different lengths than above, please consult the factory.

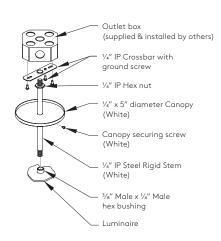
			Swivel	(S) &	Rigid Stem	(RS) Mo	ountings - [)imensi	ons			
Nominal Length				* "B" (Ref.) End Suspensions		"C" Mid. Suspension		"D" Power Feed Location		-ength	"F" DMX In/Out	
	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ
02 (2 ft.)	2' - 1/4"	616	0' - 7/8"	22	1' - 101/2''	572	0' - 7/8''	22	1' - 9"	534	0' - 7/8''	22
04 (4 ft.)	4' - 1/4"	1225	0' - 1/8"	22	3' - 101/2''	1181	0' - 7/8''	22	3' - 9"	1143	0' - 7/8''	22
06 (6 ft.)	5' - 105/8''	1794	0' - 1/8"	22	5' - 87/8''	1750	0' - 7/8''	22	5' - 7³/8''	1712	0' - 7/8''	22
08 (8 ft.)	8' - 1/4"	2444	0' - 1/8"	22	7' - 101/2"	2400	0' - 7/8''	22	7' - 9"	2362	0' - 7/8''	22
10 (10 ft.)	9' - 105/8''	3013	0' - 7/8''	22	9' - 87/8''	2968	0' - 7/8''	22	9' - 73/8''	2931	0' - 7/8''	22
12 (12 ft.)	12' - 3/16"	3662	0' - 1/8"	22	11' - 10³/s''	3617	0' - 7/8"	22	11' - 815/16''	3580	0' - 1/8''	22

*Dimension(s) rounded to the nearest $\frac{1}{16}$ " with a $\pm \frac{1}{16}$ " (1mm) tolerance.

L36DI Swivel Stem (S) Suspension Detail (feed wires through stem supplied by Selux)



L36DI Rigid Stem (RS) Suspension Detail (feed wires through stem supplied by Selux)





Submitted By 16500, INC

Catalog Number L36DI 1A32 1A32 TW NB NB C 12 WH 120 SS DMX

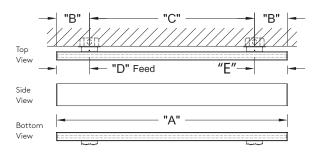
Notes

M36 My White LED Direct/Indirect



Туре

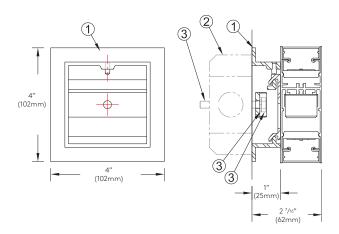
Wall Mounting (W)



	Wall (W) Mount - Dimensions													
Nominal Length			* "B" (Ref.) End Suspensions		"C" Mid. Suspension		"D" Power Feed Location		"E" DMX In/Out					
	Feet/Inch	мм	Feet/Inch	ММ	Feet/Inch	мм	Feet/Inch	ММ	Feet/Inch	ММ				
02 (2 ft.)	2' - 1/4"	616	0' - 31/8''	79	1' - 61/16''	458	0' - 31/8''	79	0' - 31/8''	79				
04 (4 ft.)	4' - 1/4"	1225	0' - 61/8''	156	3' - 0"	914	0' - 61/8''	156	0' - 61/8''	156				
06 (6 ft.)	5' - 105/8''	1794	0' - 61/8''	156	4' - 107/16''	1484	0' - 61/8''	156	0' - 61/8''	156				
08 (8 ft.)	8' - 1/4"	2444	0' - 61/8''	156	7'	2133	0' - 61/8''	156	0' - 61/8''	156				
10 (10 ft.)	9' - 105/8''	3013	0' - 61/8''	156	8' - 10³/8''	2702	0' - 61/8''	156	0' - 61/8''	156				
12 (12 ft.)	12' - 3/16''	3662	0' - 61/8''	156	10' - 1115/16''	3351	0' - 61/8''	156	0' - 61/8''	156				

*Dimension(s) rounded to the nearest $\frac{1}{16}$ " with a \pm $\frac{1}{16}$ " (1mm) tolerance.

Wall Mount (W) (Covers a 4x4 or 2x4 J-box)



- 1. Aluminum wall bracket (by Selux).
 2. 4" x 4" or 2" x 4" J-box at feed location (supplied and installed by others).
 3. ½"-20 Threaded rod, ½"-20 lock washer and ½"-20 nut
- required to anchor the wall bracket. Mounting hardware supplied and installed to code by others.



Catalog Number

L36DI 1A32 1A32 TW NB NB C 12 WH 120 SS DMX

Notes

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M36 My White LED Direct/Indirect



Туре

eldoLED Dimming Driver:

eldoLED DALI dimming (DMW)

Luminaires supplied with DUALdrive DALI dimming driver for linaer dimming curve. Minimum dimming level preset at factory to 1%. For "dim to dark" (down to 0.1%), please consult factory.

eldoLED DALI LightShape dimming (DLL)

Luminaires supplied with DUALdrive DALI dimming driver for eldo LightShape tunable white technology. Tunable white allows dim to dark with the addition of adjustable color temperature to reduce nature's auras.

eldo DMX dimming (DMX)

Luminaires supplied with POWERdrive DMX dimming driver for linear dimming curve. Minimum dimming level preset at factory to 1%. For "dim to dark" (down to 0.1%), please consult factory. Selux recommends a maximum of 31 drivers in a DMX universe. DMX fixtures can be grouped together (remove the termination resistor at the end of the fixture and connect the DMX cable from the next fixture).

*By default, all drivers on a job will be set to the same address. For additional addressing options, please consult factory.

eldoLED 0-10V LightShape dimming (DTW)

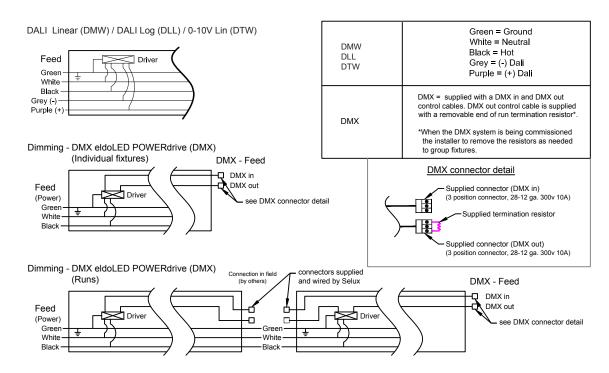
Luminaires supplied with SOLOdrive 0-10V, single channel dim to dark dimming driver with LightShape Dim to Warm technology. Dim to Warm warms the color temperature as the luminaire dims.

*For control recommendations for eldoLED drivers, please contact eldoLED.

Driver Quantity										
	2 ft.	4 ft.	6 ft.	8 ft.	10 ft.	12 ft.	RUN			
DLL/DTW/DMW/DMX drivers	1	2	3	4	5	6	Approximately 2 drivers per 4 ft.			

^{*}For inrush and control current, please refer to the driver manufacturers' spec sheets.

Wiring Diagrams





Submitted By

Catalog Number L36DI 1A32 1A32 TW NB NB C 12 WH 120 SS DMX

Notes

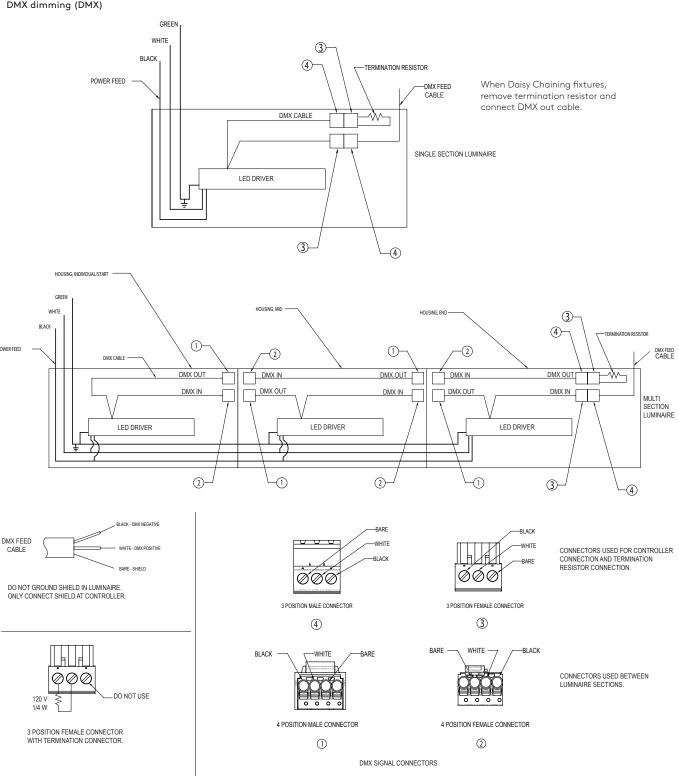
Туре

M36 My White LED Direct/Indirect

selux

Wiring Diagrams

DMX dimming (DMX)





Submitted By

Catalog Number

L36DI 1A32 1A32 TW NB NB C 12 WH 120 SS DMX

Notes

M36 My White LED Direct/Indirect



Туре

Fuse (FS) - Fusing, luminaires supplied with a in-line fuse located on the hot wire for each feed (supplied with an 8A slow burn fuse).

Damp Location (DL) -Luminaires are suitable for use in damp location(s). Examples of such locations include protected areas under canopies, marquees, roofed porches, and similar locations where the fixture(s) are protected from direct contact with rain, snow, or excessive moisture (such as ocean spray). Interior locations include areas subject to moderate degrees of moisture, such as basements and certain barns and cold storage buildings. All solder points on LED boards are conformal coated. The phosphor layer of the LEDs is free of coating to avoid hazing.

Separate Switching (SS) - Luminaire available with the Direct side switched separately from the Indirect side starting at the 4' nominal length, in 4' nominal increments. Luminaire is intended to be wired to the same panel/breaker (not intended for Emergency use).

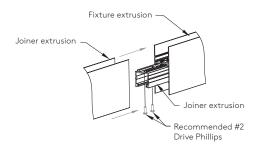
*If the project requires different separate switching than outlined above please consult the factory.

Emergency Circuit (EC) - Luminaires with EC option compliant to UL 924 listed emergency luminaire. EC luminaires are intended to be wired to separate panels/breakers for emergency use.

- For 1' to 6' nominal luminaires, the entire fixture is wired for operation on emergency circuit.
- For 7^\prime and up nominal luminaires, the first 4^\prime nominal length is wired for operation by a separate EM circuit by default to meet the required "Life Safety Code" (NFPA 101).

**If a different configuration is needed please consult the factory.

Joiner System -Standard for Runs





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Notes

selux

Туре

M36 My White LED Direct/Indirect

Photometry



LW - LED Optimized White Le	ns			
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1A32	2776	694	10	70



MI - Clear Lens with Microprism Inlay									
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W					
1A32	2832	708	10	71					



NB - LMO Symmetric				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1A32	3398	850	10	85



A2 - LMO Asymmetric 20° Wa	ll Washer			
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1A32	3520	880	10	88



A5 - LMO Asymmetric 5° Wall	Grazer			
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1A32	3506	877	10	88



BW - LMO Batwing (Direct Or	nly)			
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1A32	3230	808	10	81



WB - Wide LMO Batwing - (Indirect Only)									
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W					
1A32	3303	826	10	111					

M36 Direct/Indirect								
CCT Multiplier								
4000K	1.05							
3500K	1.00							
3000K	0.96							
2700K	0.92							
CRI Multiplier								
90+ CRI	1.00							
80+ CRI	1.19							
Lens Mu	tiplier							
LW	1.00							
MI	1.02							
NB	1.22							
A2	1.26							
A5	1.26							
BW	1.16							
WB	1.19							

Note: Due to the amount of variation of lens/distribution options possible, please import and align the individual direct and indirect IES files and group within the photometric program you are using.

CCT and CRI multipliers apply to the photometry, IES files, and per foot values listed on page 1 (light engine).

Lens multipliers supplied for per foot values listed on page 1 (light engine).



Catalog Number L36DI 1A32 1A32 TW NB NB C 12 WH 120 SS DMX

Туре

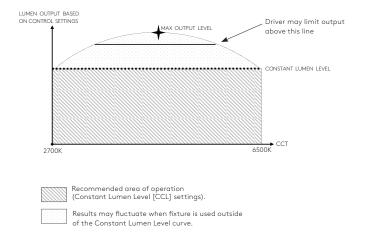
Notes

M36 My White LED Direct/Indirect

selux

Photometry

This photometry can be used for all CCTs when utilizing the constant lumen level (CLL) curve for My White. For other outputs, please consult the factory.





My White and the Circadian Rhythm – Humans have an internal clock that affects everything from sleep patterns to productivity to health. This clock is called the circadian rhythm. As humans evolved in the days before electric lighting, they had natural exposure to various levels (both color temperature and intensity) from the sun. By adjusting electric lighting to mimic the natural hue and intensity of the sun, it can help restore the body to a natural state. Various studies have shown that this can help with alertness, behavioral issues, and productivity. The Selux proprietary My White technology allows you to adjust both the amount and color of your light, creating a comfortable environment for offices, educational facilities, hospitality, or any other installation where varying light could benefit the occupants. Set up the My White luminaires to a whole building solution, and you could create an automatic adjustment to the light to mimic daylight.



M60 My White

LED Direct/Indirect Tunable White

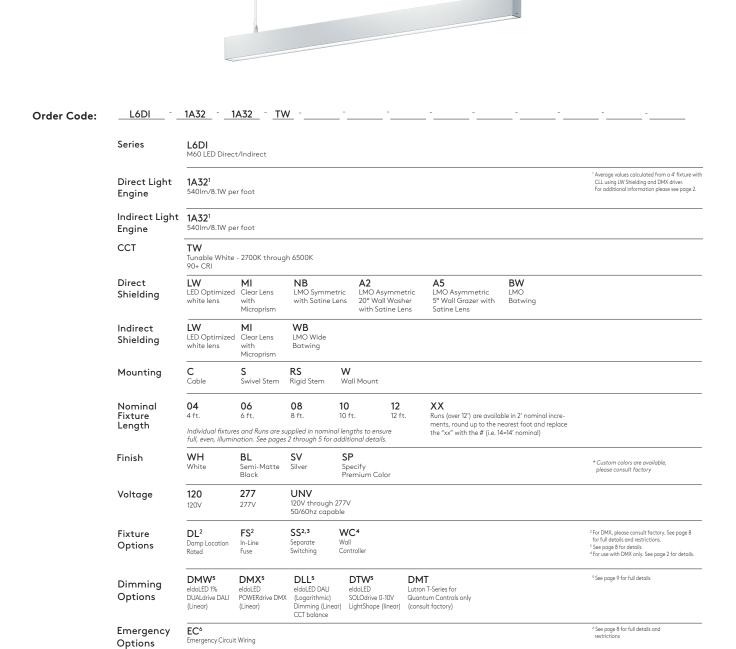
Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

Catalog Number

L6DI 1A32 1A32 TW LW LW C 12 WH 120 SS DMX

Туре

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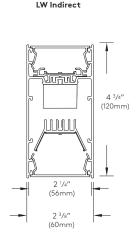
In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions.



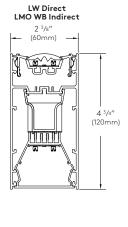
Submitted By 16500, INC Catalog Number L6DI 1A32 1A32 TW LW LW C 12 WH 120 SS DMX

Notes

M60 My White LED Direct/Indirect



LW Direct



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Туре

Construction:

Housing - Continuous, low copper 6063-T6 extruded aluminum profile with aluminum end caps, available as Individual fixtures (up to 12') or Runs

Geartray - Low copper 6063-T6 extruded aluminum profile.

Shielding - Extruded, impact resistant acrylic lens:

- LED Optimized White Lens (LW)
- Clear Lens with Microprism (MI)
- "LMO" Wide Batwing (WB) Indirect Only Direct only:

"LMO" refers to the Selux proprietary LED optical system - Light modulation optics. These lenses (other than WB) are offered in M60 behind a Satine Lens for even illumination and comfortable lit appearance.

- "LMO" Symmetric Lens (NB)
- "LMO" Asymmetric 20° Wall Washer (A2)
- "LMO" Asymmetric 5° Wall Grazer (A5)
- "LMO" Batwing (BW)

Mounting(s) - 1/16" Aircraft Cable, Ø5/8" Swivel or Rigid Steel Stem, Wall Bracket, (see pages 3 through 5 for details).

**Cable, Stem and Wall mountings may not be symmetrical for Runs due to the use of modular housing lengths. If symmetrical suspensions are required please consult the factory.

Standard Luminaire lengths - All standard luminaires are supplied in nominal lengths to ensure full, even, illumination. Runs are available in approximately 2' increments starting at the nominal 12' fixture length.

** Individual luminaires are not joinable in the field.

Exact length luminaires - Individual luminaires and Runs are available in exact lengths to meet your project needs. Please consult factory with you requirements.

**Lens luminance may soften at the very ends of the straight sections for exact length luminaires.

L60 Joiner(s) - Runs are supplied in multiple housing that are joined together in the field using the supplied L60 Joining System. This allows ease of installation and ensures a uniform appearance (see page 7 for detail).

Electrical/Performance:

Constant Lumen Level (CLL) Curve - Selux recommends utilizing the Constant Lumen Level (CLL) curve for the My White product. This is achieved using an algorithm programmed into the controls for driving the two channels of the driver simultaneously so that while adjusting the CCT, the lumen output remains the same. For recommended controls for CLL, please consult Selux.

Max Output - If the Constant Lumen Level (CLL) setting is not used, a higher light level may be achieved towards the center of the color tuning range. However, since this method is not programmed, and due to the self-protection of the driver, the results may fluctuate and are uncertain. See chart on page 8 for details.

LED Light Engine - Brand-name mid-power LEDs create a high efficiency LED light engine with a reported luminous flux maintenance at 60,000 hours of 88% based on LM-80 test reports. The rated lumen maintenance life is L70 (10k) > 60,000 hours. Luminous flux values calculated in accordance to TM-21 procedures based on LM-80 compliant reported measurement data. For Title 24 compliant model numbers, please consult factory.

Photometrics - Consult website or factory for IES Files. Photometric lumen measurement complies with IES LM-79-08 testing procedures. Due to the LED manufacturer's tolerances, the listed output has a ±5% tolerance.

CCT - Tunable CCT from 2700K through 6500K tolerance within a 3-step MacAdam ellipse.

Driver - High efficiency, constant current, soft start, Electronic Class 2 with a PFC>0.90. For more detailed information on the available drivers please see page 7.

Wall Controller - Optional wall controller can be ordered for use with DMX fixtures. See DMX controller spec sheet for more details.

Thermal Performance:

Ambient Operating Temperature - Luminaires suitable for maximum ambient temperature of 35°C (95°F). Minimum ambient temperature of -20°C (-4°F).

Luminaire Finish:

Powder Coat - All Selux luminaries are finished in high quality polyester powder coating in our Tiger Drylac certified facility and are tested in accordance with test specifications for coatings from ASTM and PCI.

All products undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated, and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention.

Standard interior colors are White (WH), Semi-Matte Black (BL) and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

Warranty:

5 Year Limited LED Luminaire Warranty -

Selux offers a 5 Year Limited Warranty to the original purchaser that the M100 MvWhite LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED light engine when installed according to Selux instructions and operated within the Ambient Temperature. For additional details and exclusions, see "Selux Terms and Condition of Sale."

Certifications and Compliance:

NRTL - For Dry and Damp location (I.E. cULus) ARRA Compliant RoHS Compliant



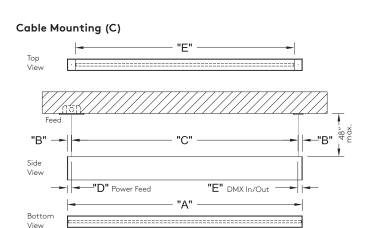
Submitted By 16500, INC Catalog Number L6DI 1A32 1A32 TW LW LW C 12 WH 120 SS DMX

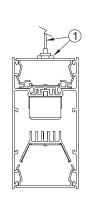
Notes

Туре

M60 My White LED Direct/Indirect

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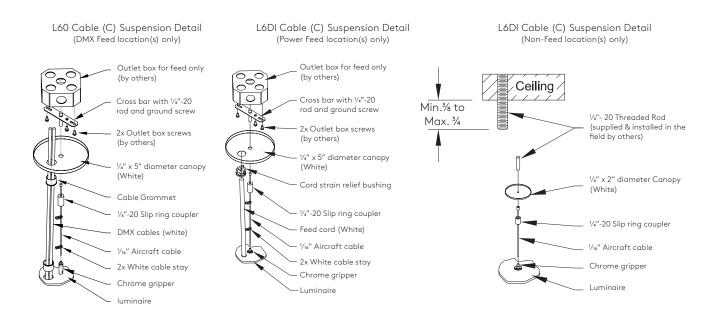


Cable Mounting (C)

1. Ø ⅓6" Aircraft Cable with chrome gripper for easy adjustment (48" max. from ceiling to luminaire).

				Cak	ole Mounting	(C) - [Dimensions					
Nominal Length	"A" Housing Length		- ()		"C" Mid. Suspen	•		"D" Feed Location		Length	"F" DMX In/Out	
	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ
02 (2 ft.)	2' - 1/4"	616	0' - 7/8"	22	1' - 10 1/2"	572	0' - 3/8''	9	1' - 9"	534	0' - 3/8''	534
04 (4 ft.)	3' - 11 7/16''	1205	0' - 7/8"	22	3' - 9 11/16"	1161	0' - 3/8''	9	3' - 8 3/16''	1123	0' - 3/8''	1123
06 (6 ft.)	5' - 11 7/16''	1815	0' - 7/8"	22	5' - 9 11/16"	1770	0' - 3/8''	9	5' - 8 1/4"	1733	0' - 3/8''	1733
08 (8 ft.)	7' - 11 7/16''	2424	0' - 7/8"	22	7' - 9 11/16"	2380	0' - 3/8''	9	7' - 8 3/16"	2342	0' - 3/8''	2342
10 (10 ft.)	9' - 11 7/16"	3034	0' - 7/8''	22	9' - 9 11/16"	2990	0' - 3/8''	9	9' - 8 1/4"	2952	0' - 3/8''	2952
12 (12 ft.)	11' - 11 7/16"	3643	0' - 7/8''	22	11' - 9 11/16''	3599	0' - 3/8''	9	11' - 8 ³ /16''	3561	0' - 3/8''	3561

^{*}Dimension(s) rounded to the nearest $\frac{1}{16}$ " with a ± $\frac{1}{16}$ " (1mm) tolerance.





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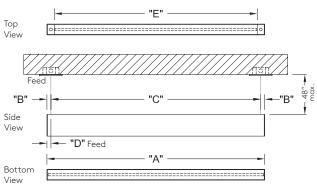
Notes

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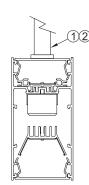
Туре

M60 My White LED Direct/Indirect

Stem Mounting (S & RS)



Swivel Stem (S) & Rigid Stem (RS) Mounting

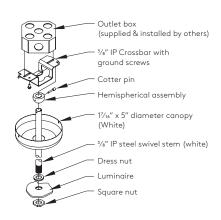


- Ø ⁵/₈" Swivel Stem provides 30° swivel and can be cut in field (48" max. from ceiling to luminaire).
 Ø ⁵/₈" Rigid Stem is fixed and is not able
- Ø 5/6" Rigid Stem is fixed and is not able to be cut/adjusted in field (48" max. from ceiling to luminaire).

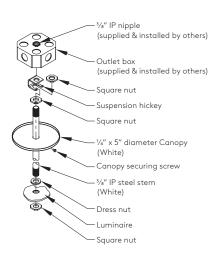
			Swivel (S)	& Rig	gid Stem (RS	S) Mour	ntings - Dim	ension	S			
Nominal Length	"A" Housing Ler	ngth	* "B" (Re End Suspen	.,			, , , , , , , , , , , , , , , , , , , ,					
	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ
02 (2 ft.)	2' - 1/4"	616	0' - 7/8''	22	1' - 10 1/2"	572	0' - 3/8''	9	1' - 9"	534	0' - 3/8"	9
04 (4 ft.)	3' - 11 7/16"	1205	0' - 7/8''	22	3' - 9 11/16"	1161	0' - 3/8''	9	3' - 8 3/16"	1123	0' - 3/8"	9
06 (6 ft.)	5' - 11 7/16''	1815	0' - 7/8''	22	5' - 9 11/16"	1770	0' - 3/8''	9	5' - 8 1/4"	1733	0' - 3/8"	9
08 (8 ft.)	7' - 11 7/16"	2424	0' - 7/8''	22	7' - 9 11/16"	2380	0' - 3/8''	9	7' - 8 3/16"	2342	0' - 3/8''	9
10 (10 ft.)	9' - 11 7/16"	3034	0' - 7/8''	22	9' - 9 11/16"	2990	0' - 3/8''	9	9' - 8 1/4"	2952	0' - 3/8''	9
12 (12 ft.)	11' - 11 7/16''	3643	0' - 7/8''	22	11' - 9 11/16"	3599	0' - 3/8''	9	11' - 8 ³ /16''	3561	0' - 3/8"	9

*Dimension(s) rounded to the nearest 1/16'' with a ± 1/16'' (1mm) tolerance.

L6DI Swivel Stem (S) Suspension Detail (feed wires through stem supplied by others)



L6DI Rigid Stem (RS) Suspension Detail (feed wires through stem supplied by others)





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Catalog Number L6DI 1A32 1A32 TW LW LW C 12 WH 120 SS DMX

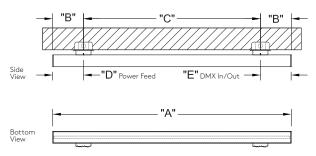
Notes

M60 My White LED Direct/Indirect

selux

Туре

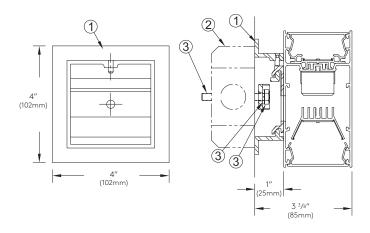
Wall Mounting (W)



	Wall (W) Mount - Dimensions									
Nominal Length	"A" Housing Length		* "B" (Ref.) End Suspensions		"C" Mid. Suspension		"D" Feed Location		"E" DMX In/Out	
	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ
02 (2 ft.)	2' - 1/4"	616	0' - 3 1/8"	79	1' - 6 1/16"	458	0' - 3 1/8''	79	0' - 3 1/8''	79
04 (4 ft.)	3' - 11 7/16"	1205	0' - 6 1/8"	156	2' - 11 3/16"	894	0' - 6 1/8"	156	0' - 6 1/8"	156
06 (6 ft.)	5' - 11 7/16"	1815	0' - 6 1/8"	156	4' - 11 3/16"	1504	0' - 6 1/8"	156	0' - 6 1/8"	156
08 (8 ft.)	7' - 11 7/16"	2424	0' - 6 1/8"	156	6' - 11 ³ /16''	2113	0' - 6 1/8"	156	0' - 6 1/8"	156
10 (10 ft.)	9' - 11 7/16"	3034	0' - 6 1/8"	156	8' - 11 3/16''	2723	0' - 6 1/8"	156	0' - 6 1/8"	156
12 (12 ft.)	11' - 11 7/16''	3643	0' - 6 1/8"	156	10' - 11 3/16''	3332	0' - 6 1/8"	156	0' - 6 1/8"	156

^{*}Dimension(s) rounded to the nearest $1/16^{\prime\prime}$ with a ± $1/16^{\prime\prime}$ (1mm) tolerance.

Wall Mount (W) (Covers a 4x4 or 2x4 J-box)



- Aluminum wall bracket (by Selux).
 4"x4" or 2"x4" J-box at feed location (supplied and installed by others). 3. $\frac{1}{4}$ "-20 Threaded rod, $\frac{1}{4}$ "-20 lock washer and $\frac{1}{4}$ "-20 nut
- required to anchor the wall bracket. Mounting hardware supplied and installed to code by others.



Catalog Number

L6DI 1A32 1A32 TW LW LW C 12 WH 120 SS DMX

Notes

Type

M60 My White LED Direct/Indirect



eldoLED Dimming Driver:

eldoLED DALI dimming (DMW)

Luminaires supplied with DUALdrive DALI dimming driver for linear dimming curve. Minimum dimming level preset at factory to 1%. For "dim to dark" (down to 0.1%), please consult factory.

eldoLED DALI LightShape dimming (DLL)

Luminaires supplied with DUALdrive DALI dimming driver for eldo Light-Shape tunable white technology. Tunable white allows dim to dark with the addition of adjustable color temperature to reduce nature's auras.

eldo DMX dimming (DMX)

Luminaires supplied with POWERdrive DMX dimming driver for linear dimming curve. Minimum dimming level preset at factory to 1%. For "dim to dark" (down to 0.1%), please consult factory. Selux recommends a maximum of 31 drivers in a DMX universe. DMX fixtures can be grouped together (remove the termination resistor at the end of the fixture and connect the DMX cable from the next fixture).

*By default, all drivers on a job will be set to the same address. For additional addressing options, please consult factory.

eldoLED 0-10V LightShape dimming (DTW)

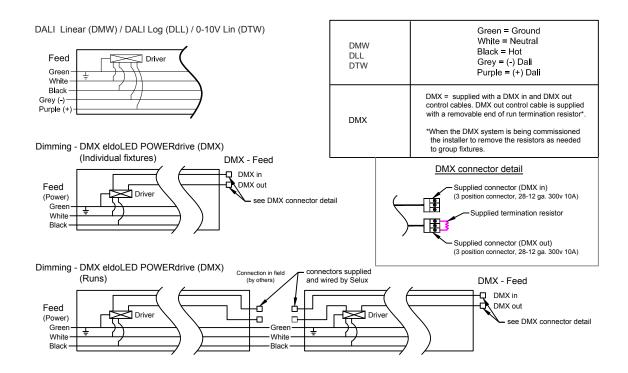
Luminaires supplied with SOLOdrive $\bar{0}$ -10V, single channel dim to dark dimming driver with LightShape Dim to Warm technology. Dim to Warm warms the color temperature as the luminaire dims.

*For control recommendations for eldoLED drivers, please contact eldoLED.

Driver Quantity (consult factory for SS option driver quantity)								
	2 ft.	4 ft.	6 ft.	8 ft.	10 ft.	12 ft.	RUN	
DLL/DTW/DMW/DMX drivers	1	2	3	4	5	6	Approximately 2 drivers per 4 ft.	

^{*}For inrush and control current, please refer to the driver manufacturers' spec sheets.

Wiring Diagrams





Catalog Number L6DI 1A32 1A32 TW LW LW C 12 WH 120 SS DMX

Notes

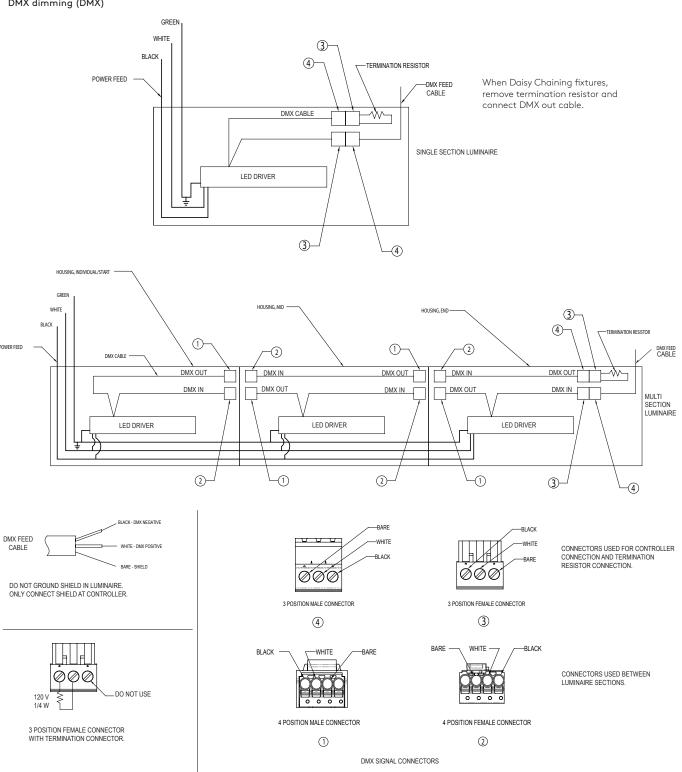
Туре

M60 My White LED Direct/Indirect

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Wiring Diagrams

DMX dimming (DMX)





unable White | Color Tuning

Catalog Number

L6DI 1A32 1A32 TW LW LW C 12 WH 120 SS DMX

Notes

M60 My White LED Direct/Indirect



Туре

Fuse (FS) - Fusing, luminaires supplied with a in-line fuse located on the hot wire for each feed (supplied with an 8A slow burn fuse).

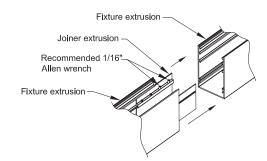
Damp Location (DL) -Luminaires are suitable for use in damp location(s). Examples of such locations include protected areas under canopies, marquees, roofed porches, and similar locations where the fixture(s) are protected from direct contact with rain, snow, or excessive moisture (such as ocean spray). Interior locations include areas subject to moderate degrees of moisture, such as basements and certain barns and cold storage buildings. All solder points on LED boards are conformal coated. The phosphor layer of the LEDs is free of coating to avoid hazing.

Separate Switching (SS) - Luminaire available with the Direct side switched separately from the Indirect side starting at the 4' nominal length and then in 2' nominal steps, i.e. 6', 8', 10', 12', etc... Luminaire is intended to be wired to the same panel/breaker (not intended for Emergency use).

- * All separately switched (non-EM) circuits within an individual luminaire, linear run, or configuration must be connected to the same branchcircuit on-site.
- * If the project requires different separate switching than outlined above please consult the factory.

Emergency Circuit (EC) - Available starting at 4' nominal length and then in 2' steps (I.E. 6', 8', 10', 12'...). Luminaires to have the first 4'nominal length operated on separate EM circuit by default to meet the required "Life Safety Code" (NFPA 101). If a different configuration is needed please consult the factory. Luminaires with EC option compliant to UL 924. EC luminaires are intended to be wired to separate panels/breakers for emergency use.

Joiner System -Standard for Runs





Submitted By 16500, INC

Catalog Number L6DI 1A32 1A32 TW LW LW C 12 WH 120 SS DMX

Notes

M60 My White LED Direct/Indirect



Type

Photometry



LW - LED Optimized White Lens						
	Light Engine	Light Engine Lumens per 4 foot		Input watts per foot	lm/W	
	1A32	2127	532	8	66	



MI - Clear Lens with Microprism Inlay						
Light Engine	Light Engine Lumens per 4 foot		Input watts per foot	lm/W		
1A32	2467	617	8	76		



NB - LMO Symmetric					
Light Engine	Light Engine Lumens per 4 foot		Input watts per foot	lm/W	
1A32	2276	569	8	70	



A2 - LMO Asymmetric 20° Wall Washer							
	Light Engine Lumens per 4 foot		Lumens per foot	Input watts per foot	lm/W		
	1A32	2297	574	8	71		



A5 - LMO Asymmetric 5° Wall Grazer										
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W						
1A32	2340	585	8	72						



BW - LMO Batwing					
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W	
1A32	2127	532	8	66	



WB - Wide LMO Batwing - Indirect Only							
Light Engine Lumens per 4 foot		Lumens per foot	Input watts per foot	lm/W			
A32	2978	745	8.10	111			

M60 My White Direct/Indirect							
CCT Mul	tiplier						
4000K	1.05						
3500K	1.00						
3000K	0.96						
2700K	0.92						
CRI Multiplier							
90+ CRI	1.00						
80+ CRI	1.19						
Lens Multiplier							
LW	1.00						
MI	1.16						
NB	1.07						
A2	1.08						
A5	1.10						
BW	1.00						
WB	1.40						

Note: Due to the amount of variation of lens/distribution options possible, please import and align the individual direct and indirect IES files and group within the photometric program you are using.

CCT and CRI multipliers apply to the photometry, IES files, and per foot values listed on page 1 (light engine).

Lens multipliers supplied for per foot values listed on page 1 (light engine).



Submitted By 16500, INC Catalog Number L6DI 1A32 1A32 TW LW LW C 12 WH 120 SS DMX

Notes

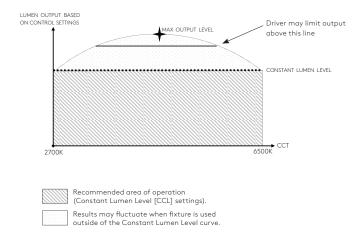
Туре

M60 My White LED Direct/Indirect

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Photometry

This photometry can be used for all CCTs when utilizing the constant lumen level (CLL) curve for My White. For other outputs, please consult the factory.





My White and the Circadian Rhythm – Humans have an internal clock that affects everything from sleep patterns to productivity to health. This clock is called the circadian rhythm. As humans evolved in the days before electric lighting, they had natural exposure to various levels (both color temperature and intensity) from the sun. By adjusting electric lighting to mimic the natural hue and intensity of the sun, it can help restore the body to a natural state. Various studies have shown that this can help with alertness, behavioral issues, and productivity. The Selux proprietary My White technology allows you to adjust both the amount and color of your light, creating a comfortable environment for offices, educational facilities, hospitality, or any other installation where varying light could benefit the occupants. Set up the My White luminaires to a whole building solution, and you could create an automatic adjustment to the light to mimic daylight.



Project 21-12877-4 Date 6/24/2021

Tunable White | Color Tuning

Catalog Number L1DI 1A32 1A32 TW LW LW 12 WH 120 SS WH DMX

Туре

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M100 My White LED Direct/Indirect Tunable White



	Series	L1DI M100 LED Direc	t/Indirect							
	Direct Light Engine	1A32¹ 654lm/8.6W per foot								¹ Average values calculated from a 4' fixture with CLL using LW Shielding and DMD driver.
	Indirect Light Engine		1A32¹ 554lm/8.6W per foot							
	ССТ	TW Tunable White 90+ CRI	- 2700K through	6500K						
	Direct Shielding	LW LED Optimized White lens	MI Clear Lens with Microprism	NB LMO Symmetric with Satine Len	A2 LMO Asymme s 20° Wall Wash with Satine Le	er 5° Wall Graz	netric er with	BW LMO Batwing with Satine Lens	PX6 Blank Cover	
	Indirect Shielding	LW LED Optimized White Lens	MI Clear Lens with Microprism	WB LMO Wide Batwing						
	Mounting	C Cable	S Swivel Stem	RS Rigid Stem	W Wall Mount					
	Nominal Fixture Length			06 6 ft. oplied in nominal le			nomin neares	over 12') are availd al increments, rou at foot and replace (i.e. 14=14' nomina	nd up to the the "xx" with	
	Finish	WH White	BL Semi-Matte Black	SV Silver	SP Specify Premium Color					* Custom colors are available, please consult factory
	Voltage	120 120V	277 277∨	UNV 120V through 277 50/60hz capable						
	Fixture Options	DL ² Damp Location Rated	FS ² In-Line Fuse	SS ^{2,3} Separate Switching	WC ³ Wall Controller Connections					² For DMX, please consult factory. See page 8 for full details and restrictions. ³ See page 8 for details ⁴ For use with DMX only. See page 2 for details.
	Dimming Options	DMW ⁵ eldoLED 1% DUALdrive DALI (Linear)	DMX ⁵ eldoLED POWERdrive DMX (Linear)	DLL ⁵ eldoLED DALI (Logarithmic) Dimming (Linear) CCT balance	DTW ⁵ eldoLED SOLOdrive 0-10V LightShape (linear)	DMT Lutron T-Series for Quantum Controls (consult factory)	only			⁵ See page 6-7 for full details
	Emergency Options	EC ⁶ Emergency Circuit	Wising							⁶ See page 8 for full details and restrictions















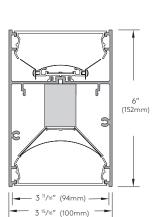




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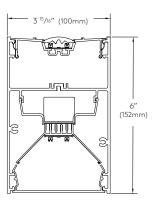
Notes

M100 My White LED Direct/Indirect



LW Direct

LW Direct LMO WB Indirect



selux

Туре

Construction:

Housing - Continuous, low copper 6063-T6 extruded aluminum profile with aluminum endcaps, available as Individual fixtures (up to 12') or Runs.

Geartray - Low copper 6063-T6 extruded aluminum profile.

Shielding - Extruded, impact resistant acrylic snap in lens:

- LED Optimized White Lens (LW)
- Clear Lens with Microprism (MI)
- "LMO" Wide Batwing (WB) Indirect Only "LMO" refers to the Selux proprietary LED optical system - Light modulation optics. These lenses (other than WB) are offered in M100 behind a Satine Lens for even illumination and comfortable lit appearance. (Direct only)
- "LMO" Symmetric Lens (NB)
- "LMO" Asymmetric 20° Wall Washer (A2)
- "LMO" Asymmetric 5° Wall Grazer (A5)
- "LMO" Batwing (BW)

Mounting(s) - 1/16" Aircraft Cable, Ø5/8" Swivel or Rigid Steel Stem, Wall Bracket, (see pages 3 through 5 for details).

**Cable, Stem and Wall mountings may not be symmetrical for Runs due to the use of modular housing lengths. If symmetrical suspensions are required please consult the factory.

Standard Luminaire lengths - All standard luminaires are supplied in nominal lengths to ensure full, even, illumination. Runs are available in approximately 2' increments starting at the nominal 12' fixture length.

**Individual luminaires are not joinable in the field.

Exact length luminaires - Individual luminaires and Runs, and configuration are available in exact lengths to meet your project needs. Please consult factory with you requirements.

** Lens luminance may soften at the very ends of the straight sections for exact length luminaires.

L10 Joiner(s) - Runs are supplied in multiple housing that are joined together in the field using the supplied L10 Joining System. This allows ease of installation and ensures a uniform appearance (see page 7 for detail).

Electrical/Performance:

Constant Lumen Level (CLL) Curve - Selux recommends utilizing the Constant Lumen Level (CLL) curve for the My White product. This is achieved using an algorithm programmed into the controls for driving the two channels of the driver simultaneously so that while adjusting the CCT, the lumen output remains the same. For recommended controls for CLL, please consult Selux.

Max Output - An alternate way to control the output is by having each channel of the driver controlled individually while changing the CCT. Controlling the channels individually can result in a higher lumen level (see chart on Photometry page 9), though the CCT and output may vary.

LED Light Engine - Brand-name mid-power LEDs create a high efficiency LED light engine with a reported luminous flux maintenance at 60,000 hours of 88% based on LM-80 test reports. The rated lumen maintenance life is L70 (10k) > 60,000 hours. Luminous flux values calculated in accordance to TM-21 procedures based on LM-80 compliant reported measurement data. For Title 24 compliant model numbers, please consult factory.

Photometrics - Consult website or factory for IES Files. Photometric lumen measurement complies with IES LM-79-08 testing procedures. Due to the LED manufacturer's tolerances, the listed output has a ±5% tolerance.

CCT - Tunable CCT from 2700K through 6500K tolerance within a 3-step MacAdam ellipse.

CRI - 90+.

Driver - High efficiency, constant current, soft start, Electronic Class 2 with a PFC>0.90. For more detailed information on the available drivers please see page

Wall Controller - Optional wall controller can be ordered for use with DMX fixtures. See DMX controller spec sheet for more details.

Thermal Performance:

Ambient Operating Temperature - Luminaires suitable for maximum ambient temperature of 35°C (95°F). Minimum ambient temperature of -20°C (-4°F).

Luminaire Finish:

Powder Coat - All Selux luminaries are finished in high quality polyester powder coating in our Tiger Drylac certified facility and are tested in accordance with test specifications for coatings from ASTM and PCI.

All products undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated, and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color

Standard interior colors are White (WH), Semi-Matte Black (BL) and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

Warranty:

5 Year Limited LED Luminaire Warranty - Selux offers a 5 Year Limited Warranty to the original purchaser that the M100 MyWhite LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED light engine when installed according to Selux instructions and operated within the Ambient Temperature. For additional details and exclusions, see "Selux Terms and Condition of Sale."

Certifications and Compliance:

NRTL - For Dry and Damp location (I.E. cÚLus) ARRA Compliant RoHS Compliant



Submitted By 16500, INC Catalog Number L1DI 1A32 1A32 TW LW LW 12 WH 120 SS WH DMX

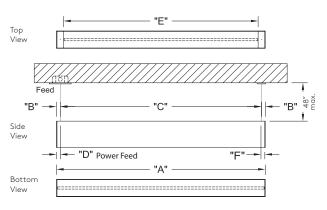
Notes

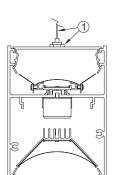
Туре

M100 My White LED Direct/Indirect

selux

Cable Mounting (C)





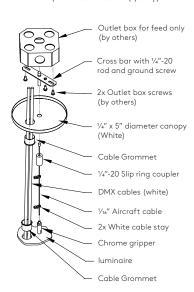
Cable Mounting (C)

1. Ø 1/16" Aircraft Cable with chrome gripper for easy adjustment (48" max. from ceiling to luminaire).

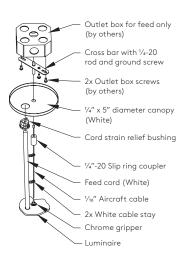
Cable Mounting (C) - Dimensions												
Nominal Length	"A" Housing Length		2 (1.01.1)		"C" Mid. Suspens	-		"E" ocation Illuminated Length		Length	"F" DMX In/Out	
	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	мм	Feet/Inch	ММ
02 (2 ft.)	2' - 1/4"	616	0' - 7/8''	22	1' - 10 1/2"	572	0' - 7/8''	22	1' - 9"	534	0' - 7/8''	22
04 (4 ft.)	3' - 11 7/16"	1205	0' - 7/8"	22	3' - 9 11/16"	1161	0' - 7/8''	22	3' - 8 3/16''	1123	0' - 7/8''	22
06 (6 ft.)	5' - 11 7/16"	1815	0' - 7/8"	22	5' - 9 11/16"	1770	0' - 7/8''	22	5' - 8 1/4"	1733	0' - 7/8''	22
08 (8 ft.)	7' - 11 7/16"	2424	0' - 7/8"	22	7' - 9 11/16"	2380	0' - 7/8''	22	7' - 8 3/16"	2342	0' - 7/8''	22
10 (10 ft.)	9' - 11 7/16"	3034	0' - 7/8''	22	9' - 9 11/16"	2990	0' - 7/8"	22	9' - 8 1/4"	2952	0' - 7/8"	22
12 (12 ft.)	11' - 11 7/16"	3643	0' - 7/8''	22	11' - 9 11/16"	3599	0' - 7/8''	22	11' - 8 3/16''	3561	0' - 7/8''	22

*Dimension(s) rounded to the nearest ½16" with a ± ½16" (1mm) tolerance.

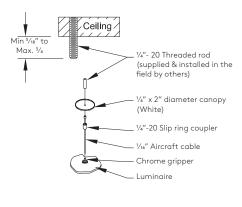
L10 Cable (C) Suspension Detail (DMX Feed location(s) only)



L1DI Cable (C) Suspension Detail (Power Feed location(s) only)



L1DI Cable (C) Suspension Detail (Non-Feed location(s) only)





Submitted By 16500, INC

Catalog Number L1DI 1A32 1A32 TW LW LW 12 WH 120 SS WH DMX

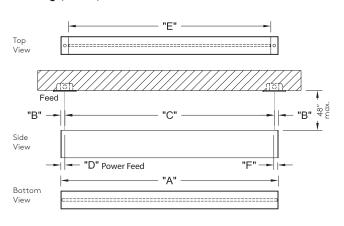
Notes

M100 My White LED Direct/Indirect

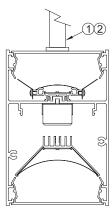
selux

Туре

Stem Mounting (S & RS)





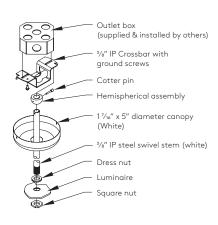


- 1. Ø 5/8" Swivel Stem provides 30° swivel and can be cut in field (48" max. from ceiling to luminaire).
- **2.** \emptyset 5%" Rigid Stem is fixed and is not able to be cut/adjusted in field (48" max. from ceiling to luminaire).

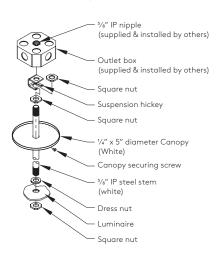
	Swivel (S) & Rigid Stem (RS) Mountings - Dimensions											
Nominal Length			"C" "D" Mid. Suspension Power Feed Loc		ocation	"E" cation Illuminated Length		"F" DMX In/Out				
	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ
02 (2 ft.)	2' - 1/4"	616	0' - 7/8''	22	1' - 10 1/2"	572	0' - 7/8''	22	1' - 9"	534	0' - 7/8''	534
04 (4 ft.)	3' - 11 7/16"	1205	0' - 7/8''	22	3' - 9 11/16"	1161	0' - 7/8''	22	3' - 8 3/16"	1123	0' - 7/8''	1123
06 (6 ft.)	5' - 11 7/16''	1815	0' - 7/8''	22	5' - 9 11/16"	1770	0' - 7/8''	22	5' - 8 1/4"	1733	0' - 7/8''	1733
08 (8 ft.)	7' - 11 7/16"	2424	0' - 7/8''	22	7' - 9 11/16"	2380	0' - 7/8''	22	7' - 8 3/16"	2342	0' - 7/8''	2342
10 (10 ft.)	9' - 11 7/16"	3034	0' - 7/8''	22	9' - 9 11/16"	2990	0' - 7/8''	22	9' - 8 1/4"	2952	0' - 7/8''	2952
12 (12 ft.)	11' - 11 7/16''	3643	0' - 7/8''	22	11' - 9 11/16"	3599	0' - 7/8''	22	11' - 8 3/16''	3561	0' - 7/8"	3561

*Dimension(s) rounded to the nearest $\frac{1}{16}$ " with a $\pm \frac{1}{16}$ " (1mm) tolerance.

L1DI Swivel Stem (S) Suspension Detail (feed wires through stem supplied by others)



L1DI Rigid Stem (RS) Suspension Detail (feed wires through stem supplied by others)





Submitted By 16500, INC Catalog Number L1DI 1A32 1A32 TW LW LW 12 WH 120 SS WH DMX

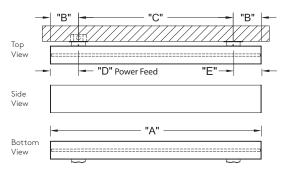
Notes

M100 My White LED Direct/Indirect

selux

Type

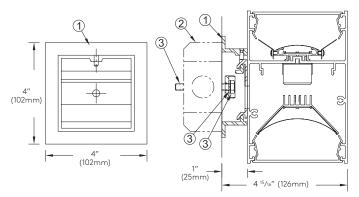
Wall Mounting (W)



Wall (W) Mount - Dimensions										
Nominal "A Length Housing		ength	* "B" (Ref.) End Suspensions		"C" Mid. Suspension		"D" Power Feed Location		"E" DMX In/Out	
	Feet/Inch	мм	Feet/Inch	ММ	Feet/Inch	мм	Feet/Inch	ММ	Feet/Inch	ММ
02 (2 ft.)	2' - 1/4"	616	0' - 3 1/8"	79	1' - 6 1/16"	458	0' - 3 1/8''	79	0' - 3 1/8"	79
04 (4 ft.)	3' - 11 7/16"	1205	0' - 6 1/8"	156	2' - 11 3/16''	894	0' - 6 1/8''	156	0' - 6 1/8"	156
06 (6 ft.)	5' - 11 7/16"	1815	0' - 6 1/8"	156	4' - 11 3/16''	1504	0' - 6 1/8''	156	0' - 6 1/8"	156
08 (8 ft.)	7' - 11 7/16"	2424	0' - 6 1/8"	156	6' - 11 3/16''	2113	0' - 6 1/8''	156	0' - 6 1/8"	156
10 (10 ft.)	9' - 11 7/16"	3034	0' - 6 1/8"	156	8' - 11 3/16''	2723	0' - 6 1/8''	156	0' - 6 1/8"	156
12 (12 ft.)	11' - 11 7/16''	3643	0' - 6 1/8"	156	10' - 11 3/16''	3332	0' - 6 1/8"	156	0' - 6 1/8"	156

*Dimension(s) rounded to the nearest $\frac{1}{16}$ " with a ± $\frac{1}{16}$ " (1mm) tolerance.

Wall Mount (W) (Covers a 4x4 or 2x4 J-box)



- Aluminum wall bracket (by Selux).
 4"x4" or 2"x4" J-box at feed location (supplied and installed by others).
- \(\lambda'' 20 \) Interest of the add rod, \(\lambda'' 20 \) lock washer and \(\lambda'' 20 \) nut required to anchor the wall bracket. Mounting hardware supplied and installed to code by others.



Submitted By 16500, INC

Catalog Number L1DI 1A32 1A32 TW LW LW 12 WH 120 SS WH DMX

Notes

selux

Туре

M100 My White LED Direct/Indirect

eldoLED Dimming Driver:

eldoLED DALI dimming (DMW)

Luminaires supplied with DUALdrive DALI dimming driver for linear dimming curve. Minimum dimming level preset at factory to 1%. For "dim to dark" (down to 0.1%), please consult factory.

eldoLED DALI LightShape dimming (DLL)

Luminaires supplied with DUALdrive DALI dimming driver for eldo Light-Shape tunable white technology. Tunable white allows dim to dark with the addition of adjustable color temperature to reduce nature's auras.

eldo DMX dimming (DMX)

Luminaires supplied with POWERdrive DMX dimming driver for linear dimming curve. Minimum dimming level preset at factory to 1%. For "dim to dark" (down to 0.1%), please consult factory. Selux recommends a maximum of 31 drivers in a DMX universe. DMX fixtures can be grouped together (remove the termination resistor at the end of the fixture and connect the DMX cable from the next fixture).

*By default, all drivers on a job will be set to the same address. For additional addressing options, please consult factory.

eldoLED 0-10V LightShape dimming (DTW)

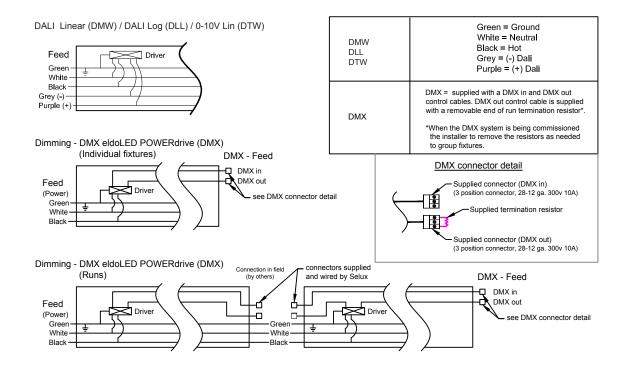
Luminaires supplied with SOLOdrive 0-10V, single channel dim to dark dimming driver with LightShape Dim to Warm technolgy. Dim to Warm warms the color temperature as the luminaire dims.

*For control recommendations for eldoLED drivers, please contact eldoLED.

Driver Quantity (consult factory for SS option driver quantity)								
	2 ft.	4 ft.	6 ft.	8 ft.	10 ft.	12 ft.	RUN	
DLL/DTW/DMW/DMX drivers	1	2	3	4	5	6	Approximately 2 drivers per 4 ft.	

^{*}For inrush and control current, please refer to the driver manufacturers' spec sheets.

Wiring Diagrams





Project 21-12877-4 Date 6/24/2021

Tunable White | Color Tuning

Catalog Number L1DI 1A32 1A32 TW LW LW 12 WH 120 SS WH DMX

Notes

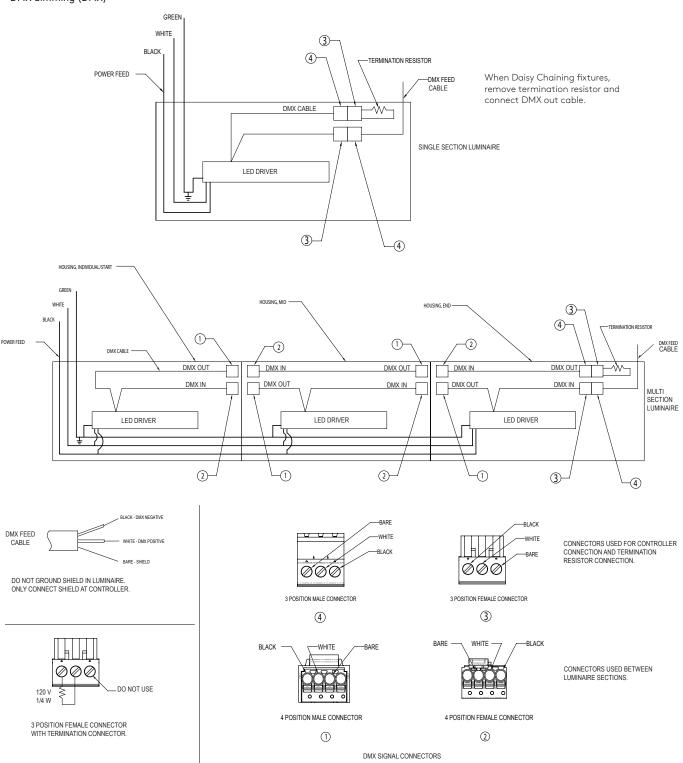
Туре

M100 My White LED Direct/Indirect

selux

Wiring Diagrams

DMX dimming (DMX)





Submitted By 16500, INC Catalog Number L1DI 1A32 1A32 TW LW LW 12 WH 120 SS WH DMX

Notes

Type

M100 My White LED Direct/Indirect



Fuse (FS) - Fusing, luminaires supplied with a in-line fuse located on the hot wire for each feed (supplied with an 8A slow burn fuse).

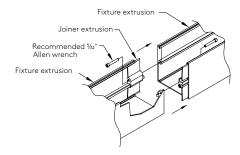
Damp Location (DL) -Luminaires are suitable for use in damp location(s). Examples of such locations include protected areas under canopies, marquees, roofed porches, and similar locations where the fixture(s) are protected from direct contact with rain, snow, or excessive moisture (such as ocean spray). Interior locations include areas subject to moderate degrees of moisture, such as basements and certain barns and cold storage buildings. All solder points on LED boards are conformal coated. The phosphor layer of the LEDs is free of coating to avoid hazing.

Separate Switching (SS) - Luminaire available with the Direct side switched separately from the Indirect side starting at the 4' nominal length and then in 2' nominal steps, i.e. 6', 8', 10', 12', etc... Luminaire is intended to be wired to the same panel/breaker (not intended for Emergency use).

- * All separately switched (non-EM) circuits within an individual luminaire, linear run, or configuration must be connected to the same branchcircuit on-site.
- * If the project requires different separate switching than outlined above please consult the factory.

Emergency Circuit (EC) - Available starting at 4' nominal length and then in 2' steps (I.E. 6', 8', 10', 12'...). Luminaires to have the first 4'nominal length operated on separate EM circuit by default to meet the required "Life Safety Code" (NFPA 101). If a different configuration is needed please consult the factory. Luminaires with EC option compliant to UL 924. EC luminaires are intended to be wired to separate panels/breakers for emergency use.

Joiner System - standard





Submitted By 16500, INC Catalog Number L1DI 1A32 1A32 TW LW LW 12 WH 120 SS WH DMX

Notes

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Туре

M100 My White LED Direct/Indirect

Photometry



LW - LED Optimized White Ler	V - LED Optimized White Lens							
Light Engine Lumens per 4 foot		Lumens per foot	Input watts per foot	lm/W				
1A32	2592	648	8.6	75				



MI - Clear Lens with Microprism Inlay								
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W				
1A32	2696	674	8.6	78				



NB - LMO Symmetric (Direct C	Only)			
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1A32	2411	603	8.6	70



A2 - LMO Asymmetric 20° Wa	2 - LMO Asymmetric 20° Wall Washer (Direct Only)							
Light Engine Lumens per 4 foot		Lumens per foot	Input watts per foot	lm/W				
1A32	2436	609	8.6	71				



A5 - LMO Asymmetric 5° Wall	Grazer (Direct Only)			
Light Engine Lumens per 4 foot		Lumens per foot	Input watts per foot	lm/W
1A32 2488		622	8.6	72



	BW - LMO Batwing (Direct On	BW - LMO Batwing (Direct Only)							
}	Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W				
	1A32	2255	564	8.6	66				



	WB - Wide LMO Batwing (Indi	WB - Wide LMO Batwing (Indirect Only)							
}	Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W				
	1A32	3629	907	8.6	111				

M100 My White Direct					
Lens Multiplier					
LW	1.00				
MI	1.04				
NB	0.93				
A2	0.94				
A5	0.96				
BW	0.87				
WB	1.28				

Note: Due to the amount of variation of lens/ distribution options possible, please import and align the individual direct and indirect IES files and group within the photometric program you are using.

CCT and CRI multipliers apply to the photometry, IES files, and per foot values listed on page 1 (light engine).

Lens multipliers supplied for per foot values listed on page 1 (light engine).



Submitted By 16500, INC Catalog Number L1DI 1A32 1A32 TW LW LW 12 WH 120 SS WH DMX

Notes

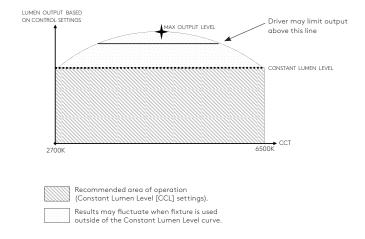
selux

Туре

M100 My White LED Direct/Indirect

Photometry

This photometry can be used for all CCTs when utilizing the constant lumen level (CLL) curve for My White. For other outputs, please consult the factory.





My White and the Circadian Rhythm – Humans have an internal clock that affects everything from sleep patterns to productivity to health. This clock is called the circadian rhythm. As humans evolved in the days before electric lighting, they had natural exposure to various levels (both color temperature and intensity) from the sun. By adjusting electric lighting to mimic the natural hue and intensity of the sun, it can help restore the body to a natural state. Various studies have shown that this can help with alertness, behavioral issues, and productivity. The Selux proprietary My White technology allows you to adjust both the amount and color of your light, creating a comfortable environment for offices, educational facilities, hospitality, or any other installation where varying light could benefit the occupants. Set up the My White luminaires to a whole building solution, and you could create an automatic adjustment to the light to mimic daylight.



Project 21-12877-4 Date 6/24/2021

Tunable White | Color Tuning

Catalog Number PL9LR 1A32 TW SD C 08 WH 120 DMX SS

Notes

Туре

selux

Purelight LED Round My White

Order Code:

PL9LR - 1A32 -

TW

SD



Series	PL9LR Purelight LED	Round					
Light Engine	1A32 ¹ 500lm/8.1W p	er foot					¹ Average values calculated from a 4' fixture with CLL using DMX driver. For additional information please see page 2.
ССТ	TW Tunable White 90+ CRI	e - 2700K throug	gh 6500K				
Shielding	SD Satine lens						
Mounting	C Cable	F Surface Mour (wall/ceiling)	t				
Nominal Fixture Length	02 2 ft.	03 3 ft.	04 4 ft.	06 6 ft.	08 8 ft.	RUN ² Runs available in nominal 4' lengths	² Runs only available with Cable Mount. Consult factory for Surface Mount Runs.
Finish	WH White *back rail finis	BL Semi-Matte Black th to match end	SV Silver cap finish exce		SP Specify Premium Color endcaps, back	rail standard finish will be white	³ Custom colors are available, Please consult factory
Voltage	120 120V	277 27V	UNV 120V through 2 50/60hz capal				

DTW⁴

eldoLED DALI
(Logarithmic) Dimming
(Linear) CCT balance
LightShape(Linear

WC⁷

Wall Controller Connections

eldoLED Lutron T-Series for Athena SOLOdrive 0-10V or Quantum Controls only LightShape(Linear) (consult factory)

BUY AMERICAN	NRTL DAMP®	5 LEDWARDARY	ARRA Compliant	ADA Compliant	RoHS	UNION MADE BEWLOCAL 363
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Driver

Fixture

Options

Emergency

Options

DMW⁴

(Linear)

DL⁶

EC8

eldoLED 1% DUALdrive DALI

Damp Location Rated

Emergency Circuit Wiring

DMX^{4,5}

(Linear)

FS⁶

In-line Fuse

EMR9

Remote Battery Pack

eldoLED POWERdrive DMX

DLL4

SS6

⁴See page 5 for full details ⁵Consult factory for addressing of drivers

⁶See page 7 for details ⁷For use with DMX only. See page 2 for

⁸See page 6 for full details ⁹Consult factory

details.



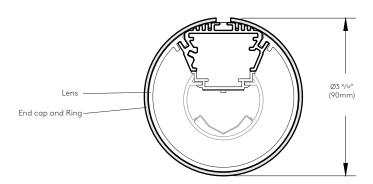
Submitted By 16500, INC Catalog Number PL9LR 1A32 TW SD C 08 WH 120 DMX SS

Notes

Туре

Purelight LED - Round My White





Construction:

Housing - White powder coated, low copper 6063-T6 extruded aluminum profile available as Individual fixtures (up to 8') or Runs in 4' increments

Geartray - Low copper 6063-T6 extruded aluminum profile.

Shielding - Round Satine lens with diffusion optics provides luminous lines of diffuse light. Lens made from impact resistant PMMA (acrylic).

End Cap - Die cast aluminum end cap, powder coated or polished, clear coated, designed for toolless access to the geartray (except surface mounting).

Mounting(s) - 1/16" Aircraft Cable (48" maximum from ceiling to top of fixture), Surface mounting (wall or ceiling.

**Cables are adjustable for individual fixtures, however Cable and Wall mountings may not be symmetrical for Runs due to the use of modular housing lengths. If symmetrical suspensions are required please consult the factory.

Standard Luminaire lengths - All standard luminaires are supplied in nominal lengths to ensure full, even, illumination.

**Individual luminaires are not joinable in the field.

Runs - Runs (over 8') are available in 1' increments (made up of 3' and 4' sections) for cable mount fixtures. There will be a joiner ring every 3' or 4' depending on the length. Cables are fixed to rings. For Runs with wall or surface mount, consult factory.

Weight - 1.8 lbs. per ft.

Electrical/Performance:

Constant Lumen Level (CLL) Curve - Selux recommends utilizing the Constant Lumen Level (CLL) curve for the My White product. This is achieved using an algorithm programmed into the controls for driving the two channels of the driver simultaneously so that while adjusting the CCT, the lumen output remains the same. For recommended controls for CLL, please consult Selux.

LED Light Engine - Brand-name mid-power LEDs create a high efficiency LED light engine with a reported luminous flux maintenance at 60,000 hours of 86% based on LM-80 test reports. The rated lumen maintenance life is L70 (10k) > 60,000 hours. Luminous flux values calculated in accordance to TM-21 procedures based on LM-80 compliant reported measurement data. For Title 24 compliant model numbers, please consult factory.

Photometrics - Consult website or factory for IES Files. Photometric lumen measurement complies with IES LM-79-08 testing procedures. Due to the LED manufacturer's tolerances, the listed output has a ±5% tolerance.

CCT - Tunable CCT from 2700K through 6500K tolerance within a 3-step MacAdam ellipse.

CRI - 90+

Drivers - High efficiency, constant current, soft start, Electronic Class 2 with a PFC>0.90. For more detailed information on the available drivers please see page 5.

Wall Controller - Optional wall controller can be ordered for use with DMX fixtures. See DMX controller spec sheet for more details.

Thermal Performance:

Ambient Operating Temperature - Luminaires suitable for maximum ambient temperature of 35°C (95°F) for all drivers, standard and optional.

Luminaire Finish:

Powder Coat - All Selux luminaries are finished in high quality polyester powder coating in our Tiger Drylac certified facility and are tested in accordance with test specifications for coatings from ASTM and PCI.

All products undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated, and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention.

Standard interior color for Purelight LED is White (WH), Semi-Matte Black (BL), and Silver (SV). Polished clear coated (PO) or Selux premium colors (SP) for endcap finish are available, please specify from your Selux color selection guide.

Warranty:

5 Year Limited LED Luminaire Warranty -

Selux offers a 5 Year Limited Warranty to the original purchaser that the Purelight LED My White luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED light engine when installed according to Selux instructions and operated within the Ambient Temperature, For additional details and exclusions, see "Selux Terms and Condition of Sale."

Certifications and Compliance:

NRTL - For Dry and Damp location (I.E. cULus; cCSAus) ARRA Compliant



Submitted By

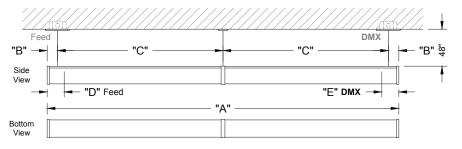
Catalog Number PL9LR 1A32 TW SD C 08 WH 120 DMX SS

Notes

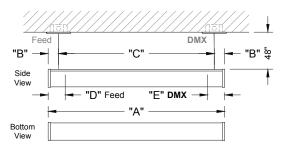
Туре

Purelight LED - Round My White

Cable Mounting (C) - 6', 8' and Runs

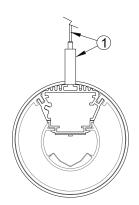


Cable Mounting (C) - 2', 3' and 4'



selux

Cable Mounting (C)

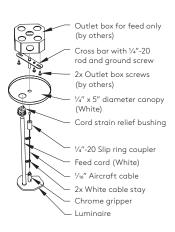


1. Ø 1/16" Aircraft Cable with chrome gripper for easy adjustment. (48" max. from ceiling to luminaire)

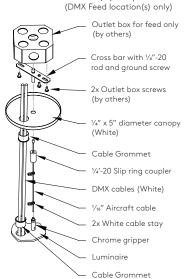
	Cable (C) Mounting - Dimensions										
Nominal Length	"A" Housing Le	ngth	* "B" (Ref.) End Suspensions		"C" Mid. Suspension		"D" Feed Location		"E" DMX In/Out		
	Feet/Inch MM		Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	
02 (2 ft.)	2' - 5/16"	618	0'-1 5/16"	34	1'-10"	550	0'-2 1/2"	64	0'-2 1/2"	64	
03 (3 ft.)	3' - 5/16"	922	0'-2 1/8''	54	2'-8 1/16"	814	0'-3 5/16"	84	0'-3 5/16''	84	
04 (4 ft.)	4' - 5/16"	1227	0'-2 1/8''	54	3'-8 1/16''	1119	0'-3 5/16"	84	0'-3 5/16''	84	
06 (6 ft.)	6' - 5/16"	1837	0'-2 1/8''	54	2'-10"	864	0'-3 5/16"	84	0'-3 5/16''	84	
08 (8 ft.)	8' - 5/16"	2446	0'-2 1/8''	54	3'-10"	1169	0'-3 5/16''	84	0'-3 5/16''	84	

*Dimension(s) rounded to the nearest $\frac{1}{16}$ with a $\pm \frac{1}{16}$ (1mm) tolerance.

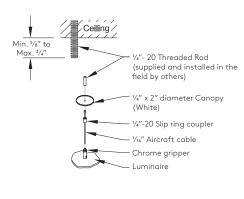
PL9LR Cable (C) Suspension Detail (Feed location(s) only)



PL9LR Cable (C) Suspension Detail (DMX Feed location(s) only)



PL9LR Cable (C) Suspension Detail (Non-Feed location(s) only)





Submitted By 16500, INC

Catalog Number PL9LR 1A32 TW SD C 08 WH 120 DMX SS

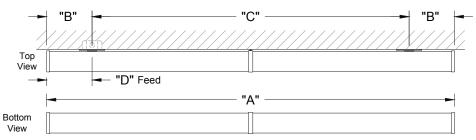
Notes

Purelight LED - Round My White

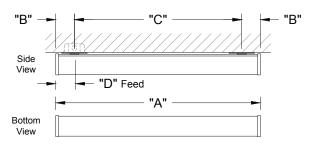
selux

Туре

Surface (F) Mounting (Wall/Ceiling) - 6', 8' and Runs



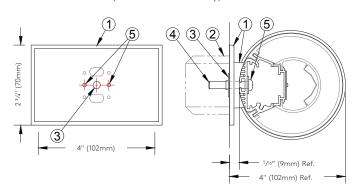
Surface (F) Mounting (Wall/Ceiling) - 2', 3' and 4'



Surface/Wall (F) Mount - Dimensions										
Nominal Length			* "B" (Ref.) "C" End Suspensions Mid. Suspen		ion	"D" Feed Locat	"D" Feed Location		"E" DMX In/Out	
			Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ	Feet/Inch	ММ
02 (2 ft.)	2' - 5/16"	618	0'-2 1/8"	54	1'-8 1/16"	510	0'-2 1/8"	54	0'-2 1/8''	54
03 (3 ft.)	3' - 5/16"	922	0'-3 5/16"	84	2'-5 11/16"	754	0'-3 5/16"	84	0'-3 5/16"	84
04 (4 ft.)	4' - 5/16"	1227	0'-3 5/16"	84	3'-5 11/16''	1059	0'-3 5/16"	84	0'-3 5/16"	84
06 (6 ft.)	6' - 5/16"	1837	0'-8 1/16"	204	4'-8 1/4"	1429	0'-8 1/16"	204	0'-8 1/16"	204
08 (8 ft.)	8' - 5/16"	2446	0'-8 1/16"	204	6'-8 1/4"	2038	0'-8 1/16"	204	0'-8 1/16"	204

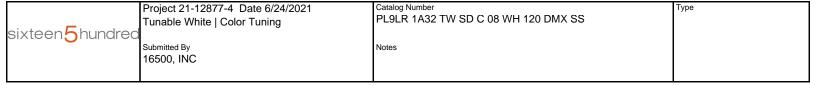
*Dimension(s) rounded to the nearest $\frac{1}{16}$ " with a $\pm \frac{1}{16}$ " (1mm) tolerance.

Surface Mount (Wall/Ceiling) (cover a 2x4 J-box only)



- Aluminum wall bracket (by Selux).
 2"x4" J-box at feed location (supplied and installed by others).
- 3. ¼"-20 Threaded Cross Bar (by Selux). 4. ¼"-20 Phillips screw wall mount (by Selux). 5. M5 x 12 Screw and lock washer (by Selux).

For full details refer to the installation instructions.



Purelight LED - Round My White



eldoLED Dimming Driver:

eldoLED DALI dimming (DMW)

Luminaires supplied with DUALdrive DALI dimming driver for linear dimming curve. Minimum dimming level preset at factory to 1%. For "dim to dark" (down to 0.1%), please consult factory.

eldoLED DALI LightShape dimming (DLL)

Luminaires supplied with DUALdrive DALI dimming driver for eldo Light-Shape tunable white technology. Tunable white allows dim to dark with the addition of adjustable color temperature to reduce nature's auras.

eldo DMX dimming (DMX)

Luminaires supplied with POWERdrive DMX dimming driver for linear dimming curve. Minimum dimming level preset at factory to 1%. For "dim to dark" (down to 0.1%), please consult factory. Selux recommends a maximum of 31 drivers in a DMX universe. DMX fixtures can be grouped together (remove the termination resistor at the end of the fixture and connect the DMX cable from the next fixture).

*By default, all drivers on a job will be set to the same address. For additional addressing options, please consult factory.

eldoLED 0-10V LightShape dimming (DTW)

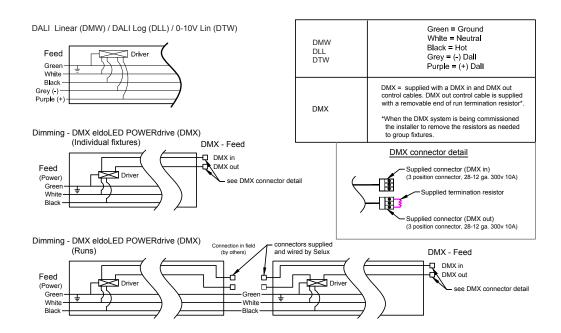
Luminaires supplied with SOLOdrive 0-10V, single channel dim to dark dimming driver with LightShape Dim to Warm technolgy. Dim to Warm warms color temperature as the luminaire dims.

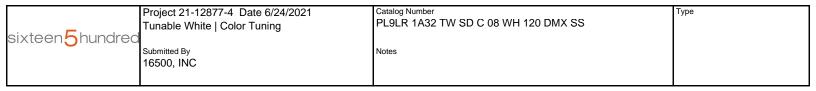
*For control recommendations for eldoLED drivers, please contact eldoLED.

Driver Quantity							
2 ft. 3 ft. 4 ft. 6 ft. 8 ft. RUN							
DLL/DTW/DMW/DMX drivers	1	1	2	2	2	Approximately 1 driver per 4 ft.	

^{*}For inrush and control current, please refer to the driver manufacturers' spec sheets.

Wiring Diagrams



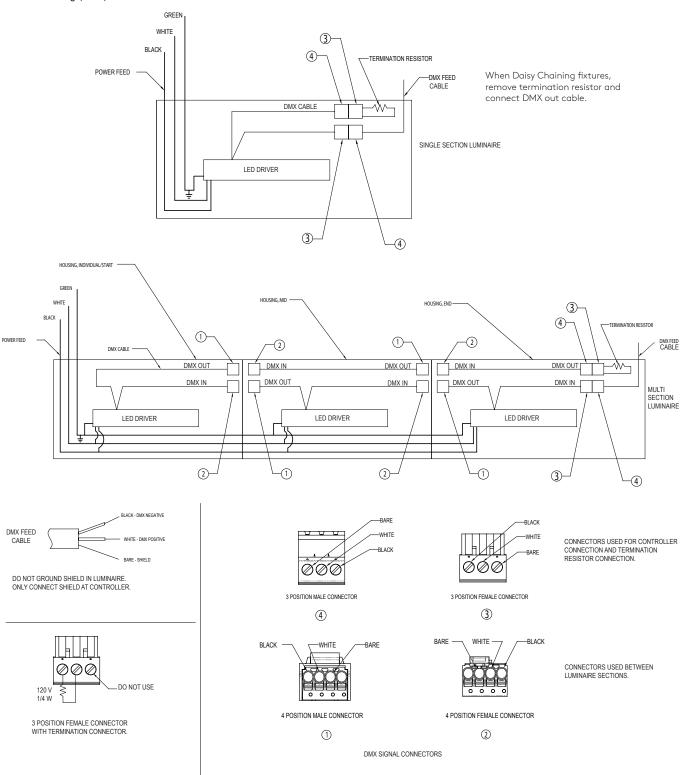


Purelight LED - Round My White

selux

Wiring Diagrams

DMX dimming (DMX)





Submitted By

Catalog Number PL9LR 1A32 TW SD C 08 WH 120 DMX SS

Туре

Notes

Purelight LED - Round My White



Fuse (FS) - Fusing, luminaires supplied with a in-line fuse located on the hot wire for each feed. (supplied with an 8A slow burn fuse).

Damp Location (DL) - Luminaires are suitable for use in damp location(s). Examples of such locations include protected areas under canopies, marquees, roofed porches, and similar locations where the fixture(s) are protected from direct contact with rain, snow, or excessive moisture (such as ocean spray). Interior locations include areas subject to moderate degrees of moisture, such as basements and certain barns and cold storage buildings. All solder points on LED boards are conformal coated. The phosphor layer of the LEDs is free of coating to avoid hazing. Separate Switching (SS) - Luminaires available with separately switched 3' or 4' (nominal) sections starting at 6' and up. Luminaire is intended to be wired to the same panel/breaker (not intended for Emergency use).

- * All separately switched (non-EM) circuits within an individual luminaire, linear run, or configuration must be connected to the same branch circuit on-site.
- * To specify this option, the number of separately switched sections and locations of these sections must be provided at time of order.
- $\ensuremath{^{\star}}$ If the project requires different separate switching than outlined above please consult the factory.

Emergency Circuit (EC) - Luminaires with EC option compliant to UL 924 listed emergency luminaire. EC luminaires are intended to be wired to separate panels/breakers for emergency use.

- For 2' to 4' nominal luminaires, the entire fixture is wired for operation on emergency circuit.
- For 6' and up nominal luminaires, the first 3' or 4' nominal length is wired for operation by a separate EM circuit by default to meet the required "Life Safety Code" (NFPA 101).

*If a different configuration is needed please consult the factory.



Submitted By 16500, INC Catalog Number
PL9LR 1A32 TW SD C 08 WH 120 DMX SS

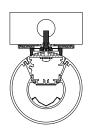
Notes

Type

Purelight LED - Round My White

Photometry

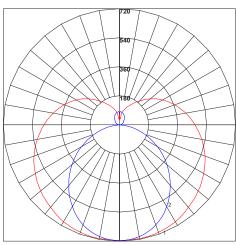
SD Optics / 47W LED / 4000K CCT



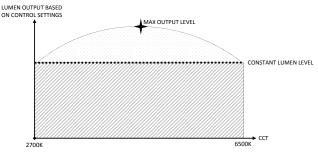
Catalog #: PL9LR-1A45-40-SD-X-04-XX-UNV-DIM Report #: 11511554.01 Delivered Lumens: 3975 Input Watts: 47W Efficacy: 84 Power Factor: 1.0 Total Harmonic Distortion: CCT: 4000K CRI:

Max Candela: 720 @ 2.5° from Vertical Spacing Criterion (0-180): 1.22 Spacing Criterion (90-270): 1.46 Spacing Criterion (Diagonal): 1.48

selux



Maximum Candela = 720.246 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)



RECOMMENDED AREA OF OPERATION (CONSTANT LUMEN LEVEL [CLL] SETTINGS)

ADDITIONAL LUMEN ADJUSTABILITY USING MAX OUTPUT CURVE

This photometry can be used for all CCTs when utilizing the constant lumen level (CLL) curve for My White. For other outputs, please consult the factory.



My White and the Circadian Rhythm – Humans have an internal clock that affects everything from sleep patterns to productivity to health. This clock is called the circadian rhythm. As humans evolved in the days before electric lighting, they had natural exposure to various levels (both color temperature and intensity) from the sun. By adjusting electric lighting to mimic the natural hue and intensity of the sun, it can help restore the body to a natural state. Various studies have shown that this can help with alertness, behavioral issues, and productivity. The Selux proprietary My White technology allows you to adjust both the amount and color of your light, creating a comfortable environment for offices, educational facilities, hospitality, or any other installation where varying light could benefit the occupants. Set up the My White luminaires to a whole building solution, and you could create an automatic adjustment to the light to mimic daylight.



Submitted By 16500, INC Catalog Number AIP12042 L42W-T 120/277V TUN DF_STM OAH48" PT01

Notes

Туре

Spheres

AIP12042 18 in



DESCRIPTION

Designed with the timeless appeal of elementary geometry, Spheres is a modern revival of a classic form that symbolizes completeness, unity, and balance. Every point on its surface is equidistant from its center. Available in 18", 24", and 30" diameters.

FEATURES & BENEFITS

- White matte acrylic diffuser enhances a space with filtered, uniform illumination
- The double semi-sphere diffuser is joined together and then finished with an opal matte treatment to create a unified look to the globe
- The light engine is located at the center of the sphere, rather than the top, for the most even illumination
- Standard overall height of 48" allows designs to incorporate multiple sizes while maintaining a clearly defined lighting plane or vary OAH as desired
- Different sizes and mounting heights can be used to create visual arrays and three-dimensional collages
- All visible fasteners are flush mounted, providing a clean design
- Available in high and low wattages; both options are great for providing usable light while minimizing power consumption
- · Handcrafted in USA

SPECIFICATIONS

- LIGHT SOURCE: Static white, tunable white, or RGBW LED light engine
- CRI: 80+ (contact factory for 90+)
- LUMEN MAINTENANCE: L80 = >60,000 Hrs.
- EFFICACY: Up to 83 lm/W delivered
- CCT: 3000K, 3500K, or 4000K (static white); 2700K-6500K (tunable white); 3000K (RGBW)
- VOLTAGE: 120-277V standard
- DRIVER: Integral Class 2 power supply standard for white light engines. RGBW has a remote DMX driver; max distance to the driver is 15' (includes OAH).









	1 10,000 21 12011 1 Date 0/2 1/2021		Туре
_	Turiable Write Color Turing	AIP12042 L42W-T 120/277V TUN DF_STM OAH48" PT01	
sixteen 5 hundred			
_	Submitted By	Notes	
	16500, INC		

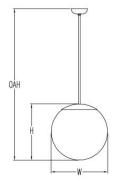
- DIMMING: 0-10V controls standard to 1% on static white light engines. DALI-2 (DT8) standard for tunable white. DMX standard for RGBW. Other dimming options are available; contact factory.
- INTEGRATED SURGE PROTECTION: LED components are protected against minor surge events
- DIFFUSER: UV-stabilized acrylic
- CONSTRUCTION: Aluminum housing
- FINISH: Housing and mounting components finished to match.

 To specify separately, contact factory. Choose from more than

 30 thermoset polyester powder coat paint colors. RAL®,

 Pantone®, or custom finishes available upon request.
- MODIFICATIONS: Consult factory for all modification requests, including different sizes
- APPROVALS: ETL listed to UL standards (US & Canada) for use in damp locations; not recommended for exterior applications

DIMENSIONS



W	H	OAH							
18 in	18 in	48 in							
45.7 cm	45.7 cm	121.9 cm							
Mounting Weight Approximate: 15 lb (7 kg)									

CONFIGURATOR

To configure your spec sheet online, go to www.spilighting.com/AIP12042. Not all options are available in all configurations; consult factory for details.

Required Field *

Catalog	Light Source*	Primary Finish*	Voltage*	Lamp Options*	Mounting*	Other Than Standard Options
AIP12042						
	A	1	В	С	D	E

A - LIGHT SOURCE *

To ensure color consistency, SPI uses precise bin selection and strict quality processes to maintain a 3-step (MacAdam) SDCM on all white LED lampings. Published LED luminaire wattages are calculated using a typical power supply efficiency of 88%; exact wattages may vary based on application. White light engines are available in alternative wattages upon request.

L22W | Static White 22W LED Light Engine | Delivered Lumens: 1,796



□ 122W T 1 = 11 w/s	00001501115 1 10 11 11 11 11 11 11		
L43W Static White 43W	22W LED Light Engine Delivered Lumens: 1,796 / LED Light Engine Delivered Lumens: 3,593		
☐ L43W-C ¹ RGBW 43W			
	2 43W LED Light Engine Delivered Lumens: 3,593		
See last page for finish option			
RGBW delivered lumens shown			
NODW delivered idiliens shown	are for writte only at 3000K		
B - VOLTAGE *			
120-277V Universal	Voltage		
O LAMB OBTIONS H	_		
C - LAMP OPTIONS *			
Delivered lumens showr	n are at 4000K CCT for white light sources; apply	multiplier for delivered lumens at other CCT. Tunable White delivered	ered
	the values shown depending on the color tempe		
3000K ² Static White			
3500K ³ Static White			
☐ 4000K Static White 40			
	CCT (This is the only choice when an RGBW light source is selected in 00K-6500K CCT (This is the only choice when a tunable white light sou		
_		noc is selected in section A)	
Apply .95 multiplier for delivere			
Apply .97 multiplier for delivere			
Use DMX/DALI programming fo	or alternate color temps; see programming guide		
D - MOUNTING *			
Mounts to standard 4" o	octagonal junction box. Canopy is 5.5" diameter v	vith a 45 degree swivel. Aircraft cable mount features a white pov	wer
		an application appropriate height (up to OAH). Choose a mounting	
below:		3··· (-p···-/·	,
☐ DF_STM Stem Mount AC Aircraft Cable & Pow			
AC Aircraft Cable & Pow	ver Cord Mount		
E - OTHER THAN STA	ANDARD OPTIONS		
Specify overall height re	equired from ceiling to the bottom of the fixture.		
04415	in least should a said of Longth.		
UAT Pendant suspensi	ion length other than standard Length:		

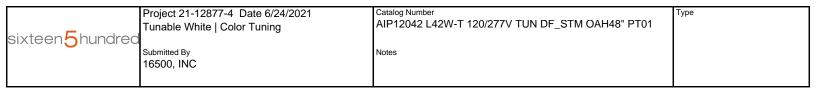
Catalog Number
AIP12042 L42W-T 120/277V TUN DF_STM OAH48" PT01

Type

Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

Submitted By 16500, INC

sixteen5hundred



Available Finishes

Not all finishes are available in all configurations; consult factory for details.

Paint Colors

PT01 Super White (Gloss)	PT02 White (Textured)			PT03 Morning Light (Textured)		PT04 Warm White (Textured)		
PT06 Warm Beige (Textured)	PT07 Light Taupe (Textured)		PT08 Medium Taupe (Textured)		PT09 Medium Grey (Textured)		PT10 Dark Grey (Textured)	
PT11 Black (Textured)	PT12 Dark Chocolate (Textured)		PT13 Warm Grey (Textured)		PT14 Light Grey (Textured)		PT15 Sage (Textured)	
PT16 Spruce (Textured)	PT17 Red (Textured)		PT18 Deep Red (Textured)		PT19 Blue (Textured)		PT20 Dark Green (Textured)	
PT21 Pearl White (Metallic Gloss)	PT22 Platinum (Metallic Gloss)		PT27 Deep Copper (Metallic Gloss)		PT28 Dark Stainless (Metallic Gloss)	-	PT29 Red Brass (Metallic Gloss)	
PT31 Medium Bronze (Metallic Gloss)	PT32 Dark Bronze (Metallic Gloss)		PT33 Dark Blue (Textured)		PT40 Yellow (Textured)		PT41 Orange (Textured)	
PT42 Sky Blue (Textured)	PT43 Teal (Textured)		PT44 Green (Textured)		PT45 Purple (Textured)		PT46 Aluminum (Metallic Textured)	
PT47 Deep Red Brass (Metallic Textured)	PT48 Brass (Metallic Textured)		PT49 Bronze (Metallic Textured)		PT51 Matte White (Textured)			





Project 21-12877-4 Date 6/24/2021 16500 DMX Comparison

Submitted By 16500, INC Catalog Number AIP12043 L57W-T 120/277V TUN DF_STM OAH120"

Notes

Туре

Spheres

AIP12043 24 in



DESCRIPTION

Designed with the timeless appeal of elementary geometry, Spheres is a modern revival of a classic form that symbolizes completeness, unity, and balance. Every point on its surface is equidistant from its center. Available in 18", 24", and 30" diameters.

FEATURES & BENEFITS

- White matte acrylic diffuser enhances a space with filtered, uniform illumination
- The double semi-sphere diffuser is joined together and then finished with an opal matte treatment to create a unified look to the globe
- The light engine is located at the center of the sphere, rather than the top, for the most even illumination
- Standard overall height of 48" allows designs to incorporate multiple sizes while maintaining a clearly defined lighting plane or vary OAH as desired
- Different sizes and mounting heights can be used to create visual arrays and three-dimensional collages
- All visible fasteners are flush mounted, providing a clean design
- Available in high and low wattages; both options are great for providing usable light while minimizing power consumption
- · Handcrafted in USA

SPECIFICATIONS

- LIGHT SOURCE: Static white, tunable white, or RGBW LED light engine
- CRI: 80+ (contact factory for 90+)
- LUMEN MAINTENANCE: L80 = >60,000 Hrs.
- EFFICACY: Up to 83 lm/W delivered
- CCT: 3000K, 3500K, or 4000K (static white); 2700K-6500K (tunable white); 3000K (RGBW)
- VOLTAGE: 120-277V standard
- DRIVER: Integral Class 2 power supply standard for white light engines. RGBW has a remote DMX driver; max distance to the driver is 15' (includes OAH).





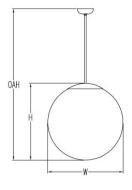




sixteen 5 hundred	ranabic winte room rannig	Catalog Number AIP12043 L57W-T 120/277V TUN DF_STM OAH120"	Туре
	Submitted By 16500, INC	Notes	

- DIMMING: 0-10V controls standard to 1% on static white light engines. DALI-2 (DT8) standard for tunable white. DMX standard for RGBW. Other dimming options are available; contact factory.
- INTEGRATED SURGE PROTECTION: LED components are protected against minor surge events
- DIFFUSER: UV-stabilized acrylic
- CONSTRUCTION: Aluminum housing
- FINISH: Housing and mounting components finished to match. To specify separately, contact factory. Choose from more than 30 thermoset polyester powder coat paint colors. RAL®, Pantone®, or custom finishes available upon request.
- MODIFICATIONS: Consult factory for all modification requests, including different sizes
- APPROVALS: ETL listed to UL standards (US & Canada) for use in damp locations; not recommended for exterior applications

DIMENSIONS



W	H	OAH						
24 in	24 in	48 in						
61 cm	61 cm	121.9 cm						
Mounting Weight Approximate: 20 lb (10 kg)								

CONFIGURATOR

To configure your spec sheet online, go to www.spilighting.com/AIP12043. Not all options are available in all configurations; consult factory for details.

Required Field *

Catalog	Light Source*	Primary Finish*	Voltage*	Lamp Options*	Mounting*	Other Than Standard Options
AIP12043						
	A		В	С	D	E

A - LIGHT SOURCE *

To ensure color consistency, SPI uses precise bin selection and strict quality processes to maintain a 3-step (MacAdam) SDCM on all white LED lampings. Published LED luminaire wattages are calculated using a typical power supply efficiency of 88%; exact wattages may vary based on application. White light engines are available in alternative wattages upon request.

L29W | Static White 29W LED Light Engine | Delivered Lumens: 2,375



	te 29W LED Light Engine Delivered Lumens: 2,375		
L57W Static White 57V			
☐ L57W-C ¹ RGBW 57W			
L57W-T Tunable White	te 57W LED Light Engine Delivered Lumens: 4,749		
See last page for finish optio	ons		
RGBW delivered lumens shown	n are for white only at 3000K		
B - VOLTAGE *			
120-277V Universal	al Voltage		
C - LAMP OPTIONS	*		
Delivered lumens show	vn are at 4000K CCT for white light sources; apply	multiplier for delivered lumens at other CCT. Tunable White deliv	ered
lumens vary +/-5% from	m the values shown depending on the color tempe	rature selected.	
3000K ² Static White	e 3000K CCT		
3500K ³ Static White	e 3500K CCT		
4000K Static White 4			
	DK CCT (This is the only choice when an RGBW light source is selected in	n Section A)	
	7700K-6500K CCT (This is the only choice when a tunable white light sou		
Apply .95 multiplier for delivere			
Apply .97 multiplier for delivered	red lumens		
Use DMX/DALI programming for	for alternate color temps; see programming guide		
D - MOUNTING *			
Mounts to standard 4"	octagonal junction box. Canopy is 5.5" diameter v	with a 45 degree swivel. Aircraft cable mount features a white po	wer
cord. Field adjustable a	aircraft cable allows the fixture to be mounted at a	an application appropriate height (up to OAH). Choose a mounting	g from
below:			
☐ DF_STM Stem Moun	nt (default)		
AC Aircraft Cable & Po			
E - OTHER THAN STA	ANDARD OPTIONS		
Specify overall height r	required from ceiling to the bottom of the fixture.		
OAH Pendant suspens	nsion length other than standard Length:		

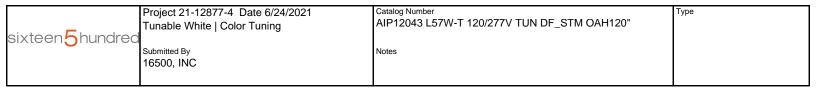
Catalog Number
AIP12043 L57W-T 120/277V TUN DF_STM OAH120"

Type

Project 21-12877-4 Date 6/24/2021 Tunable White | Color Tuning

Submitted By 16500, INC

sixteen5hundred



Available Finishes

Not all finishes are available in all configurations; consult factory for details.

Paint Colors

PT01	PT02	PT03	PT04	PT05
Super White (Gloss)	White (Textured)	Morning Light (Textured)	Warm White (Textured)	Putty (Textured)
PT06	PT07	PT08	PT09	PT10
Warm Beige (Textured)	Light Taupe (Textured)	Medium Taupe (Textured)	Medium Grey (Textured)	Dark Grey (Textured)
PT11	PT12	PT13	PT14	PT15
Black (Textured)	Dark Chocolate (Textured)	Warm Grey (Textured)	Light Grey (Textured)	Sage (Textured)
PT16	PT17	PT18 Deep Red (Textured)	PT19	PT20
Spruce (Textured)	Red (Textured)		Blue (Textured)	Dark Green (Textured)
PT21 Pearl White (Metallic Gloss)	PT22 Platinum (Metallic Gloss)	PT27 Deep Copper (Metallic Gloss)	PT28 Dark Stainless (Metallic Gloss)	PT29 Red Brass (Metallic Gloss)
PT31 Medium Bronze (Metallic Gloss)	PT32	PT33	PT40	PT41
	Dark Bronze (Metallic Gloss)	Dark Blue (Textured)	Yellow (Textured)	Orange (Textured)
Medium Bronze (Metallic				



Project 21-12877-4 Date 6/24/2021 16500 DMX Comparison

Submitted By 16500, INC Catalog Number AIP12044 L72W-T 120/277V TUN DF_STM OAH120"

Notes

Type

Spheres

AIP12044 30 in



DESCRIPTION

Designed with the timeless appeal of elementary geometry, Spheres is a modern revival of a classic form that symbolizes completeness, unity, and balance. Every point on its surface is equidistant from its center. Available in 18", 24", and 30" diameters.

FEATURES & BENEFITS

- White matte acrylic diffuser enhances a space with filtered, uniform illumination
- The double semi-sphere diffuser is joined together and then finished with an opal matte treatment to create a unified look to the globe
- The light engine is located at the center of the sphere, rather than the top, for the most even illumination
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- Different sizes and mounting heights can be used to create visual arrays and three-dimensional collages
- All visible fasteners are flush mounted, providing a clean design
- Available in high and low wattages; both options are great for providing usable light while minimizing power consumption
- · Handcrafted in USA

SPECIFICATIONS

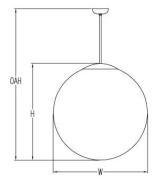
- LIGHT SOURCE: Static white, tunable white, or RGBW LED light engine
- CRI: 80+ (contact factory for 90+)
- LUMEN MAINTENANCE: L80 = >60,000 Hrs.
- EFFICACY: Up to 83 lm/W delivered
- CCT: 3000K, 3500K, or 4000K (static white); 2700K-6500K (tunable white); 3000K (RGBW)
- VOLTAGE: 120-277V standard
- DRIVER: Integral Class 2 power supply standard for white light engines. RGBW has a remote DMX driver; max distance to the driver is 15' (includes OAH).



sixteen 5 hundred	ranabic winte room rannig	Catalog Number AIP12044 L72W-T 120/277V TUN DF_STM OAH120"	Туре
	Submitted By 16500, INC	Notes	

- DIMMING: 0-10V controls standard to 1% on static white light engines. DALI-2 (DT8) standard for tunable white. DMX standard for RGBW. Other dimming options are available; contact factory.
- INTEGRATED SURGE PROTECTION: LED components are protected against minor surge events
- DIFFUSER: UV-stabilized acrylic
- CONSTRUCTION: Aluminum housing
- FINISH: Housing and mounting components finished to match. To specify separately, contact factory. Choose from more than 30 thermoset polyester powder coat paint colors. RAL®, Pantone®, or custom finishes available upon request.
- MODIFICATIONS: Consult factory for all modification requests, including different sizes
- APPROVALS: ETL listed to UL standards (US & Canada) for use in damp locations; not recommended for exterior applications

DIMENSIONS



W 30 in 76.2 cm	H 30 in 76.2 cm	OAH 48 in 121.9 cm			
Mounting Weight					
Approximate: 25 lb (12 kg)					

CONFIGURATOR

To configure your spec sheet online, go to www.spilighting.com/AIP12044. Not all options are available in all configurations; consult factory for details.

Required Field *

Catalog	Light Source*	Primary Finish*	Voltage*	Lamp Options*	Mounting*	Other Than Standard Options
AIP12044						
		A	В	С	D	E

A - LIGHT SOURCE *

To ensure color consistency, SPI uses precise bin selection and strict quality processes to maintain a 3-step (MacAdam) SDCM on all white LED lampings. Published LED luminaire wattages are calculated using a typical power supply efficiency of 88%; exact wattages may vary based on application. White light engines are available in alternative wattages upon request.

L36W | Static White 36W LED Light Engine | Delivered Lumens: 2,974



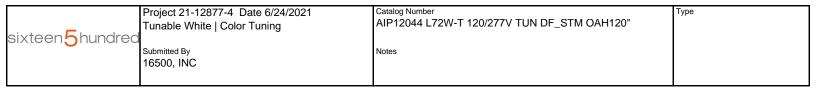
TIO(W.T.			
	te 36W LED Light Engine Delivered Lumens: 2,974		
L72W Static White 72V			
L72W-C 1 RGBW 72W			
L72W-T Tunable White	te 72W LED Light Engine Delivered Lumens: 5,947		
See last page for finish optio	ons		
RGBW delivered lumens shown	n are for white only at 3000K		
B - VOLTAGE *			
120-277V Universal	al Voltage		
C - LAMP OPTIONS	*		
Delivered lumens show	vn are at 4000K CCT for white light sources; apply	multiplier for delivered lumens at other CCT. Tunable White deliv	ered
lumens vary +/-5% from	m the values shown depending on the color tempe	rature selected.	
3000K ² Static White	e 3000K CCT		
3500K ³ Static White	e 3500K CCT		
4000K Static White 4			
RGBW 4 RGBW 3000H	DK CCT (This is the only choice when an RGBW light source is selected i	n Section A)	
TUN Tunable White 27	7700K-6500K CCT (This is the only choice when a tunable white light sou	urce is selected in Section A)	
Apply .95 multiplier for delivered	red lumens		
Apply .97 multiplier for delivered	red lumens		
Use DMX/DALI programming for	for alternate color temps; see programming guide		
D - MOUNTING *			
Mounts to standard 4"	octagonal junction box. Canopy is 5.5" diameter	with a 45 degree swivel. Aircraft cable mount features a white po	wer
cord. Field adjustable a	aircraft cable allows the fixture to be mounted at	an application appropriate height (up to OAH). Choose a mounting	g from
below:			
☐ DF_STM Stem Moun	nt (default)		
AC Aircraft Cable & Po			
E - OTHER THAN STA	ANDARD OPTIONS		
Specify overall height r	required from ceiling to the bottom of the fixture.		
OAH Pendant suspens	nsion length other than standard Length:		

Submitted By 16500, INC

sixteen5hundred

Catalog Number
AIP12044 L72W-T 120/277V TUN DF_STM OAH120"

Type



Available Finishes

Not all finishes are available in all configurations; consult factory for details.

Paint Colors

PT01 Super White (Gloss)	PT02 White (Textured)	PT03 Morning Light (Textured)	PT04 Warm White (Textured)	PT05 Putty (Textured)
PT06 Warm Beige (Textured)	PT07 Light Taupe (Textured)	PT08 Medium Taupe (Textured)	PT09 Medium Grey (Textured)	PT10 Dark Grey (Textured)
PT11 Black (Textured)	PT12 Dark Chocolate (Textured)	PT13 Warm Grey (Textured)	PT14 Light Grey (Textured)	PT15 Sage (Textured)
PT16 Spruce (Textured)	PT17 Red (Textured)	PT18 Deep Red (Textured)	PT19 Blue (Textured)	PT20 Dark Green (Textured)
PT21	PT22	PT27	PT28	PT29
Pearl White (Metallic Gloss)	Platinum (Metallic Gloss)	Deep Copper (Metallic Gloss)	Dark Stainless (Metallic Gloss)	Red Brass (Metallic Gloss)
Pearl White (Metallic Gloss) PT31 Medium Bronze (Metallic Gloss)	PT32 Dark Bronze (Metallic Gloss)	Deep Copper (Metallic Gloss) PT33 Dark Blue (Textured)	Dark Stainless (Metallic Gloss) PT40 Yellow (Textured)	Red Brass (Metallic Gloss) PT41 Orange (Textured)
PT31 Medium Bronze (Metallic	PT32	PT33	PT40	PT41



16500, INC

Catalog Number TANDLED F (LENGTH) (RADIUS) CCT HO W UNI (RGB OR TUNABLE WHITE)

Туре

CUSTOM DOWNLIGHT CONTOURS - PROJECT QUOTES ONLY

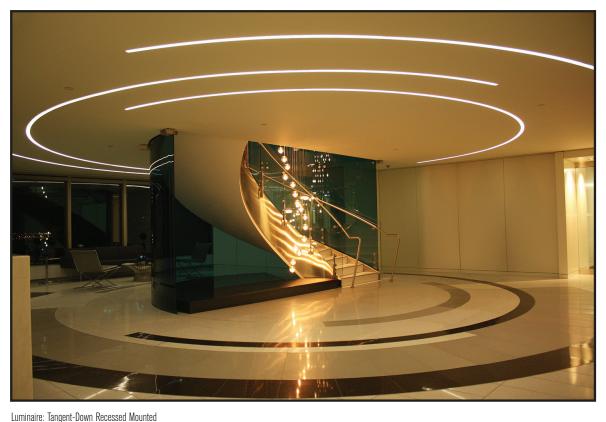
Submitted By



VOKSLYTE

Merging the art of metal and the science of light

TANGENT-Down™ **Custom Downlight Contours**



Project: Apache Canada Headquarters • Calgary, Alberta

Liahtina Desian: Archiluce Architect: Gensler, Dallas,

Tangent Down™ customizable lighting contours from VoksLyte™ are available in a variety of configurations. These beautiful sculptural luminaires can be supplied in recessed mounted, pendant and surface mounted versions. The discreet 2-inch (51mm) wide by 3 5/8-inch (92mm) tall luminaires provide phenomenal lighting performance and have been designed to sturdily and easily link together to form seamless circular, curved, elliptical, free-form or straight illuminated architectural forms. Light engine options are either standard-output or high-output 50,000-hour LED in four high-efficacy Kelvin temperatures from 2700°K to 4000°K.



Project 21-12877-4 Date 6/24/2021

Submitted By 16500, INC Catalog Number

TANDLED F (LENGTH) (RADIUS) CCT HO W UNI (RGB OR

Туре





TANGENT-Down ™

Custom Downlight Contours

- · High quality heavy aluminum construction
- Integral phase-dimmable or 0-10 volt dimmable electronic drivers
- Long-life tightly-binned Cree® diodes
- High light transmission translucent acrylic lens
- May be suspended as a pendant, recess mounted, or surface mounted
- An infinite variety of circular, elliptical, racetrack, straight, square, rectilinear or free form shapes
- Sections join together seamlessly to form almost any flowing organic or geometric shape
- Custom luminaires designed to exact dimensions and curvatures
- Extremely accurate tolerances
- 50,000 hour LED life
- Available in a wide variety of powder-coat colors
- Contractor-friendly replaceable LED boards and drivers
- Available in RGBW and Variable white (please contact the factory)
- · Recessed versions are available in mud-in and exposed flange models
- · Made in the USA



Dimensional Information

The tangent system is composed of segments which seamlessly join together. A multi-section luminaire has no maximum length.

However, the maximum length of each section is: 84 inches (2134 mm) Minimum arc length or straight length: 16 inches (406 mm) Minimum radius: 12 inches (305 mm)

Electrical Information

Input voltage: 120 (phase control drivers) or 120-277 (0-10 volt control drivers)

Standard Output Watt Cosumption: 6 per foot / 19.7 per meter High Output Watt Consumption: 9 per foot / 29.5 per meter

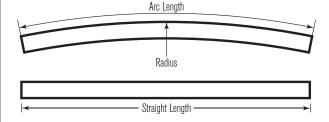
Drivers: Integral

(remote drivers are availableplease contact the factory)

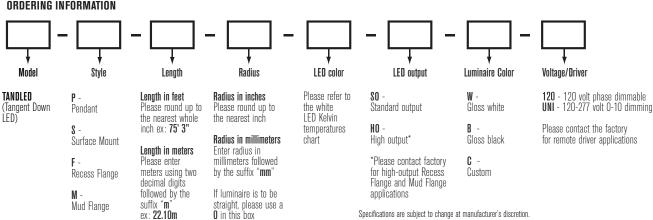
Down to 10% Dimmina:

Please note: Tangent™ profiles may be bent or configured in a variety of different ways...more than can be shown in these catalog pages. Please feel free to contact the factory for unusual requests or unique design ideas. We are always happy to accomodate and work with you to make your concept a reality.

White LED Kelvin Temperatures					
Cat. No.	Description	Standard Output Lumens/ft	Efficacy	High Ouput Lumens/ft	Efficacy
27K	Incandescent - 2700°K	393	66 lumens/watt	705	59 lumens/watt
30K	Warm white - 3000°K	485	85 lumens/watt	868	72 lumens/watt
35K	Soft white - 3500°K	514	86 lumens/watt	919	77 lumens/watt
40K	Cool white - 4200°K	548	91 lumens/watt	982	82 lumens/watt



ORDERING INFORMATION





Submitted By 16500, INC

Catalog Number
TANDLED F (LENGTH) (RADIUS) CCT HO W UNI (RGB OR TUNABLE WHITE)

Туре

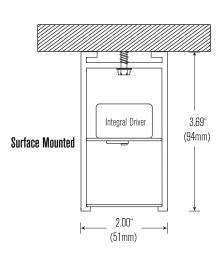
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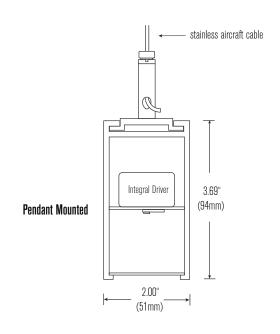
CUSTOM DOWNLIGHT CONTOURS - PROJECT QUOTES ONLY

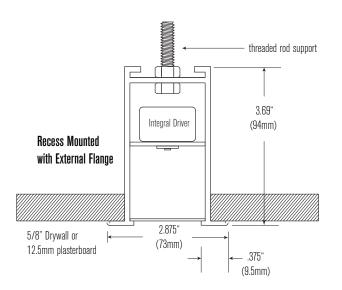


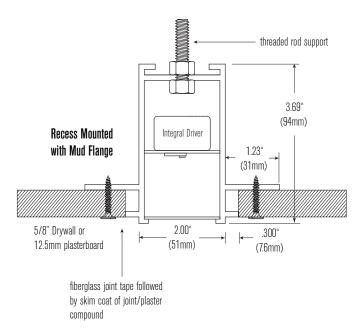
TANGENT-Down™

Custom Downlight Contours • Mounting Options











Submitted By 16500, INC

Catalog Number
TANDLED F (LENGTH) (RADIUS) CCT HO W UNI (RGB OR TUNABLE WHITE)

Notes

CUSTOM DOWNLIGHT CONTOURS - PROJECT QUOTES ONLY

Туре



TANGENT-Down™

Custom Downlight Contours



Luminaire: Tangent Down

Project: North Hills Tower II • Durham, NC

Design: Cline Bettridge Bernstein Lighting Design & Duda Paine Architects

Specifications

Luminaire - Extruded aluminum in baked powder coated finish as specified. Fabricated to curvatures and/or lengths specified. **LED Light Engine** - CREE® 2700°K, 3000°K, 3500°K or 4000°K

Driver - Constant current class 2 UL-recognized, phase or 0-10 dimmable. Sound rated A - Complies with FCC 47 CFR Part 15. **Lens-** High light transmission translucent acrylic.

8020 Queenair Drive • Gaithersburg, MD 20879 USA • phone: 301 921 4120 email: Sales@VoksLyte.com • website: www.VoksLyte.com



Submitted By 16500, INC

Catalog Number TANUDLED PC (LENGTH) (RADIUS) CCT CCT HO W UNI

CUSTOM UPLIGHT & DOWNLIGHT - PROJECT QUOTES ONLY

Туре



JOKSLYTE

Merging the art of metal and the science of light

TANGENT-UpDown™

Custom Contoured Uplight Downlight Channel System



Luminaire: Tangent Up Down Custom Pendants Project: Guildford Town Center Mall • Vancouver, BC Design: Musson Cattell Mackey Partnership • Pivotal Lighting Design

Tangent UpDown™ customizable lighting contours from VoksLyte™ are available in an almost infinite variety of shapes and sizes. These stunning sculptural luminaires can be furnishes as large hanging pendants or smaller discreet luminaires. The only limitations are the breadth of the designer's creative imagination.

The 2-inch wide by 6.75-inch tall luminaires are extremely well designed. They sturdily and easily link together to form seamless circular, curved, elliptical, free-form or straight illuminated architectural forms . Light engine options are either standard output or high-output 50,000-hour LED in four high-efficacy Kelvin temperatures from 2700°K to 4000°K.



Submitted By 16500, INC Catalog Number

TANUDLED PC (LENGTH) (RADIUS) CCT CCT HO W UNI

Notes

CUSTOM UPLIGHT & DOWNLIGHT - PROJECT QUOTES ONLY

CT HO W UNI



TANGENT-UpDown™

Custom Contoured Uplight Downlight Channel System

LED Uplight Downlight luminaire

- · High quality heavy aluminum construction
- Integral phase-dimmable dimmable electronic drivers
- Uplight and downlight LEDs are independently controllable
- Long-life tightly-binned Cree® diodes
- · High light transmission translucent acrylic lens
- · May be suspended as a pendant or wall-mounted
- An infinite variety of circular, elliptical, racetrack, straight, square, rectilinear or free form shapes
- Sections join together seamlessly to form almost any flowing organic or geometric shape
- Custom hanging or wall-mounted luminaires to exact dimensions and curvatures
- Extremely accurate tolerances
- 50.000 hour LED life
- Available in a variety of powder-coat colors
- Contractor-friendly replaceable LED boards and drivers
- Made in the USA

40K

Dimensional Information

The tangent system is composed of segments which seamlessly join together. A multi-section luminaire has no maximum length.

However, the maximum length of each section is: 84 inches.

Minimum arc length or straight length: 16 inches
Minimum radius: 18 inches

Electrical Information

Input voltage: 120

Standard Output Watts Per Foot (includes uplight and downlight): 12

High Output Watts Per Foot (includes uplight and downlight): 24

Drivers: Integral

Dimming: Down to 10%

Driver Choices

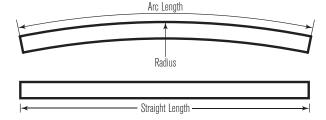
120 volt phase dimmable

(Please contact the factory for different primary voltages)

ı	Wille Li	ED Keivili leilihetami	es (iuilleli val	ues are for each	ı upilyilt alı	u uuwiiiiyiit)
			Standard Output		High Ouput	
	Cat. No.	Description	Lumens/ft	Efficacy	Lumens/ft	Efficacy
	27K	Incandescent - 2700°K	393	66 lumens/watt	705	59 lumens/watt
	30K	Warm white - 3000°K	485	85 lumens/watt	868	72 lumens/watt
	35K	Soft white - 3500°K	514	86 lumens/watt	919	77 lumens/watt

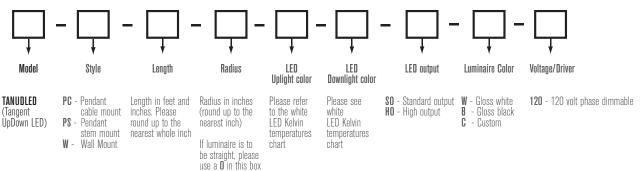
91 lumens/watt

548



ORDERING INFORMATION

Cool white - 4200°K



82 lumens/watt

982

Specifications are subject to change at manufacturer's discretion.



Project 21-12877-4 Date 6/24/2021

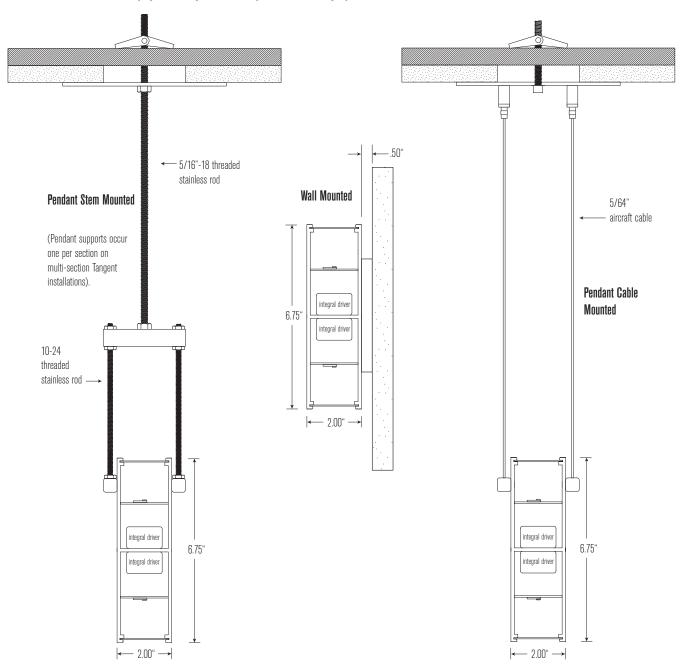
Submitted By 16500, INC Catalog Number





$TANGENT\text{-}UpDown^{\, \text{\tiny TM}}$

Custom Contoured Uplight Downlight Channel System • Mounting Options





Submitted By 16500, INC Catalog Number
TANUDLED PC (LENGTH) (RADIUS) CCT CCT HO W UNI

Туре

Notes

CUSTOM UPLIGHT & DOWNLIGHT - PROJECT QUOTES ONLY



TANGENT-UpDown™

Custom Contoured Uplight Downlight Channel System • Mounting Options

Specifications

Luminaire - Extruded aluminum in baked powder coated finish as specified. Fabricated to curvatures and/or lengths specified

LED Light Engine - CREE® 2700°K, 3000°K, 3500°K or 4000°K

Driver - Constant current class 2 UL-recognized, phase dimmable dimmable, sound rated A - Complies with FCC 47 CFR Part 15

Lens - High light transmission translucent acrylic



Luminaire: Tangent UpDown Pendant Stem-Mounted