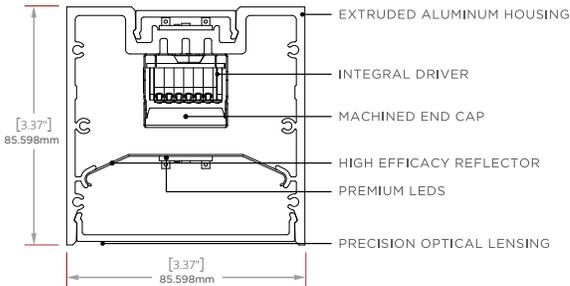


NEODYMIUM 3

OVERVIEW • SPECIFICATIONS • ORDERING

CABLE SUSPENDED CS

DATE	PROJECT	FIRM	TYPE
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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	1944	2234	4178	32	131	4000/80
L	2725	3132	5857	48	122	4000/80
S	3608	4147	7754	64	121	4000/80
H	4341	4989	9330	80	117	4000/80
VH	5236	6018	11254	96	117	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
- BI-DIRECTIONAL FIXTURE
- UGR<19 IN SELECT OUTPUTS AND CONFIGURATIONS

CCT MULTIPLIERS STATIC WHITE

CCT	2700K		3000K		3500K		4000K		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	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 POWER LEVEL ¹	DIRECT BEAM DISTRIBUTION	INDIRECT POWER LEVEL ¹	INDIRECT BEAM DISTRIBUTION ¹	DRIVER	
ND3 Neodymium 3	CS Cable Suspended CSR Cable Suspended Rotational	2	827	VL	Very low	G	Graze	VL	Very low
		3	830	L	Low	N	Narrow	L	Low
		4	835	S	Standard		Flood	S	Standard
		5	840	H	High	F	Flood	H	High
		6	850	VH	Very High	W	Wall Wash	VH	Very High
		7	927			A	Aisle		
		8	930						
		CR ^{1,2}	Continuous Run (Specify Length in Nominal Feet)	935 940 950					
			1. Power Feed is always at the first section in a continuous run 2. Rotational mounting w/CR will have a power feed for every section	TW2765 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	1. Driver must reside in remote housing 2. 0-10V input - CHOOSE DALI instead for INTL versions 3. Integrated Sensor options pair with IWS driver only	
								1D 0-10V EldoLED 1% 01D 0-10V EldoLED 0.1% LDE1 Lutron Ecosystem 1% LDE5 Lutron Ecosystem 5% 1DT (TW) ² 1DW (WD) ² DMX8 Standard 8 bit (RGBW) [*] DMX16 Optional 16 bit (RGBW) [*] DALI (INTL) IWS (Sensor Fixtures) ³	

HOUSING FINISH	END CAPS FINISH ¹	CANOPY SIZE	CANOPY FINISH	POWER CORD	CABLE LENGTH	OPTIONS ⁶
SC Satin Clear Anodize SW 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 44E 4" Power feed canopy 4" Non-power feed canopy - International 40 4" Power feed canopy Canopy only at power feed 40E 4" Power feed canopy Canopy only at power feed - International 41 4" Power feed canopy 1" Non-power feed canopy 41E 4" Power feed canopy 1" Non-power feed canopy - International	MF Machine Finish SW Satin White MB Matte Black CF Custom Finish (Consult Factory)	W White B Black G Gray ¹	4 4' 8 8'	EMB7 ^{1,3,5,6} 7 Watt battery back-up (Approximately 600 lumens) EMB12 ^{1,4,5,6} 12 Watt battery back-up (Approximately 1000 lumens) EMW ^{1,2} Emergency Circuit Wiring WSN ⁶ WSN nLight sensor WSE ⁶ WSE Enlighted Sensor WSW ⁶ WSW Wavelinx Sensor WSL ⁶ WSL Lutron Vive Sensor Dual Dual Circuit 1. EMB/EMW only linked to first section of continuous run 2. EMW not available for 2ft/3ft lengths 3. EMB7 - 6ft and up 4. EMB12 - 7ft and up 5. EMB not available for combined 8FT length & VH power 6. Factory EMB and Sensor (WS*) options not avail for INTL

GENERAL NOTES:

All fixtures are UL listed for dry and damp locations. Fixtures with International (E) option designation are CE and ROHS compliant. INTEGRAL DRIVER for all options. Please contact the factory with any specification questions.



FIXTURE ORIENTATION

Bi-directional (CS) for downlight and uplight applications. Rotational (CSR) for adjustable applications: 360 degree rotational capacity with locking mechanism

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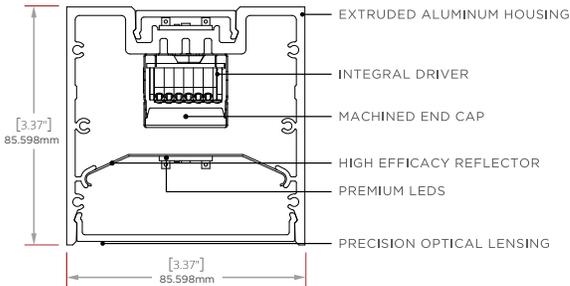
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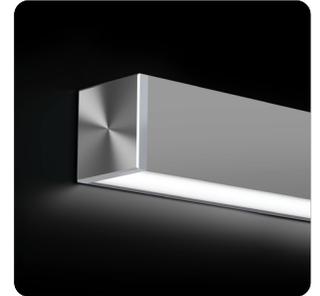
SURFACE MOUNT (SM)

DATE	PROJECT	FIRM	TYPE
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FEATURES:

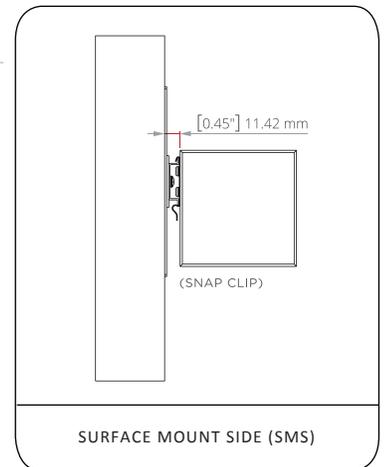
- WALL MOUNTING SYSTEM WITH PRE LOCATED FIXTURE HARDWARE FOR EASY SURFACE INSTALL
- PRECISION OPTICAL LENSING OPTIONS OR HIGH TRANSMISSION FROSTED LENSING
- 1% DIMMING DRIVERS STANDARD
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL



NOTE: ALL ITALICIZED OPTIONS MAY INCREASE LEAD TIMES. PLEASE CONSULT FACTORY WITH QUESTIONS.

FIXTURE MODEL	MOUNTING	NOMINAL LENGTH (FT)	CCT/CRI	DIRECT POWER LEVEL ¹	DIRECT BEAM DISTRIBUTION	INDIRECT POWER LEVEL ¹	INDIRECT BEAM DISTRIBUTION
ND3 Neodymium 3	SMS Surface Mount Side SMSE Surface Mount Side - International	2	827	VL Very low	G Graze	VL Very low	F Flood
		3	830	L Low	N Narrow	L Low	B Batwing
		4	835	S Standard	F Flood	S Standard	
		5	840	H High	W Wall Wash	H High	
		6	850	VH Very High	A Aisle	VH Very High	
		7	927				
		8	930				
		CR ¹ Continuous Run (Specify Length in Nominal Feet)	935				
			940				
			950				
	<i>TW2765</i>						
	<i>WD1827</i>						
	<i>RGBW¹</i>						
	¹ Power feed is always first section of a continuous run						
			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	HOUSING FINISH	END CAPS FINISH	OPTIONS ⁶
1D 0-10V EldoLED 1% <i>01D</i> 0-10V EldoLED 0.1% LDE1 Lutron Ecosystem 1% LDE5 Lutron Ecosystem 5% 1DT (TW) ² 1DW (WD) ² DMX8 (Standard 8 bit (RGBW))* DMX16 (Optional 16 bit (RGBW))* DALI (INTL) TWS (Sensor Fixtures) ³	SC Satin Clear Anodize SW 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)	EMB7^{1,3,5,6} 7 Watt battery back-up (Approximately 600 lumens) EMB12^{1,4,5,6} 12 Watt battery back-up (Approximately 1000 lumens) EMW^{1,2} Emergency Circuit Wiring WSN⁶ WSN nLight sensor WSE⁶ WSE Enlighted Sensor WSW⁶ WSW Wavelength Sensor WSL⁶ WSL Lutron Vive Sensor Dual Circuit Dual Circuit
¹ Driver must reside in remote housing. ² 0-10V input - CHOOSE DALI instead for INTL versions ³ Integrated Sensor options pair with TWS driver only			¹ EMB/EMW only linked to first section of continuous run ² EMW not available for 2ft/3ft lengths ³ EMB7 - 6ft lengths and up ⁴ EMB12 - 7ft and up ⁵ EMB not available for combined 8ft length & VH power ⁶ Factory EMB and Sensor (WS*) options not avail for INTL



GENERAL NOTES:

All fixtures are UL listed for dry and damp locations. Fixtures with International (E) option designation are CE and ROHS compliant. INTEGRAL DRIVER for all options. Please contact the factory with any specification questions.



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PHOTOMETRIC DATA

DATE	PROJECT	FIRM	TYPE
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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	1944	2234	4178	32	131	4000/80
L	2725	3132	5857	48	122	4000/80
S	3608	4147	7754	64	121	4000/80
H	4341	4989	9330	80	117	4000/80
VH	5236	6018	11254	96	117	4000/80

CCT MULTIPLIERS, STATIC WH		
CCT	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	CCT
VL	1364	1568	2933	48	61	4000/90
L	1913	2198	4111	64	64	4000/90
S	2532	2910	5442	72	76	4000/90
H	3047	3502	6548	88	74	4000/90
VH	3675	4224	7899	96	82	4000/90

CCT MULTIPLIERS, DYNAMIC WH	
CCT	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	CCT
VL	1432	1646	3079	48	64	2700/90
L	2008	2308	4316	64	67	2700/90
S	2658	3055	5714	72	79	2700/90
H	3199	3676	6875	88	78	2700/90
VH	3858	4435	8293	96	86	2700/90

CCT MULTIPLIERS, WARM DIM	
CCT	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	CCT
S	White	351.3	404	755	20	38	4000
S	All	811.9	933	1745	40	44	N/A



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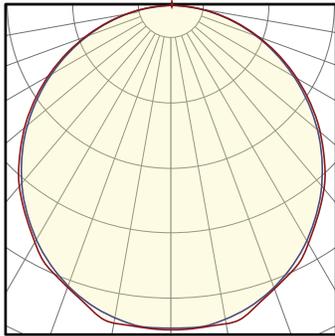
DATE	PROJECT	FIRM	TYPE
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DIRECT

DIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

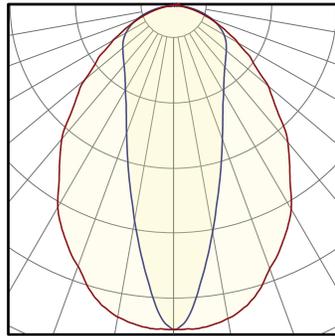
TYPE	CCT/CRI	ENERGY WATTS/4FT	FLOOD LM/4FT	FLOOD LPW	NARROW FLOOD LM/4FT	NARROW FLOOD LPW	AISLE LIGHTER LM/4FT	AISLE LIGHTER LPW	GRAZE LM/4FT	GRAZE LPW	WALL WASH LM/4FT	WALL WASH LPW
STATIC WHITE	4000K/80	S (32W)	3608	113	4049	127	4203	131	4393	137	3958	124
DYNAMIC WHITE	4000K/90	S (36W)	2532	70	2865	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*



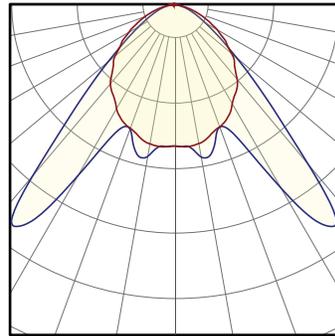
MAX CANDELA: 1251
DELIVERED LUMENS: 3608
WATTS: 32
LPW: 113

NARROW FLOOD*



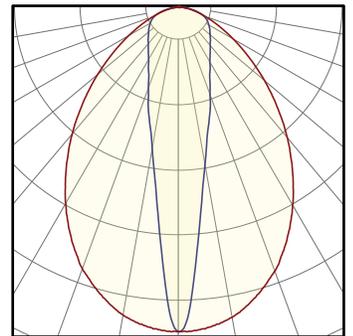
MAX CANDELA: 2861
DELIVERED LUMENS: 4049
WATTS: 32
LPW: 127

AISLE LIGHTER*



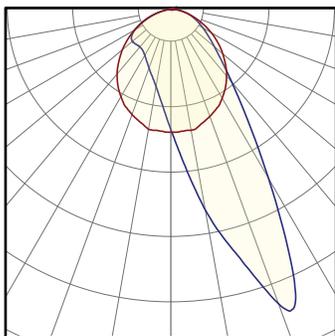
MAX CANDELA: 2472
DELIVERED LUMENS: 4203
WATTS: 32
LPW: 131

WALL GRAZE*



MAX CANDELA: 4198
DELIVERED LUMENS: 4393
WATTS: 32
LPW: 137

WALL WASH*



MAX CANDELA: 3741
DELIVERED LUMENS: 3958
WATTS: 32
LPW: 124

CCT MULTIPLIERS STATIC WHITE

CCT	2700K		3000K		3500K		4000K		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	1	0.89	1.01	0.89

CCT MULTIPLIERS DYNAMIC WHITE

CCT	2700K	3000K	3500K	4000K	5000K	6000K
CRI	90	90	90	90	90	90
MULTIPLIER	1.09	1.08	1.03	1	0.99	0.98

CCT MULTIPLIERS WARM DIM

CCT	1800K	2250K	2700K
CRI	90	90	90
MULTIPLIER	0.02	0.17	1

POWER LEVEL MULTIPLIERS

POWER	VL	L	S	H	VH
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

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PHOTOMETRIC DATA

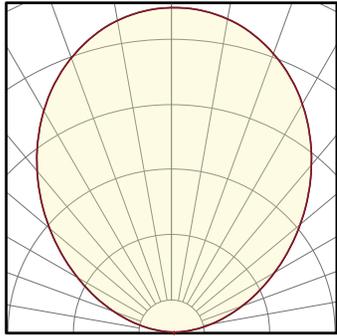
DATE	PROJECT	FIRM	TYPE
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INDIRECT

INDIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

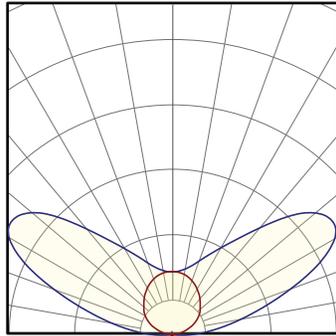
TYPE	CCT/CRI	ENERGY WATTS/4FT	FLOOD LM/4FT	FLOOD LPW	BATWING LM/4FT	BATWING LPW
STATIC WHITE	4000K/80	S (32W)	4147	130	4105	128
DYNAMIC WHITE	4000K/90	S (36W)	2910	81	2874	80
WARM DIM	2700K/90	S (36W)	3055	85	3018	84
RGBW	ALL CHANNELS UP	S (20W)	933	47	N/A	N/A

FLOOD*



MAX CANDELA: 1639
DELIVERED LUMENS: 4147
WATTS: 32
LPW: 130

BATWING*



MAX CANDELA: 1681
DELIVERED LUMENS: 4105
WATTS: 32
LPW: 128

LUMINAIRE TOTAL LUMENS PER WATT

$$\frac{(\text{DIRECT LUMENS/FT} + \text{INDIRECT LUMENS/FT}) \times \text{FIXTURE TOTAL LINEAR FT}}{(\text{DIRECT WATTS/FT} + \text{INDIRECT WATTS/FT}) \times \text{FIXTURE TOTAL LINEAR FT}} = \text{TOTAL LUMINAIRE LUMENS PER WATT}$$

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

CCT MULTIPLIERS STATIC WHITE

CCT	2700K		3000K		3500K		4000K		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	1	0.89	1.01	0.89

CCT MULTIPLIERS DYNAMIC WHITE

CCT	2700K	3000K	3500K	4000K	5000K	6000K
CRI	90	90	90	90	90	90
MULTIPLIER	1.09	1.08	1.03	1	0.99	0.98

CCT MULTIPLIERS WARM DIM

CCT	1800K	2250K	2700K
CRI	90	90	90
MULTIPLIER	0.02	0.17	1

POWER LEVEL MULTIPLIERS

POWER	VL	L	S	H	VH
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45

DATE	PROJECT	FIRM	TYPE
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MOUNTING



CABLE SUSPENDED (CS)

This fixture 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.



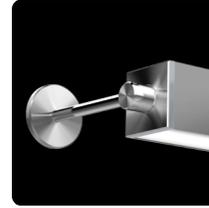
SURFACE MOUNT SIDE (SMS)

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 3/0 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.



FIXTURE WITH SINGLE SEAM CONTINUOUS RUN



CONTINUOUS RUN ROTATIONAL



CONTINUOUS RUN ROTATIONAL (SPIRAL EFFECT)



CONTINUOUS RUN SINGLE SEAM



FIXTURE WITH CONTINUOUS RUN ROTATIONAL

CANOPIES

44



4" diameter power feed and 4" diameter non-power feed canopy.

41



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.

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.

44E, 41E, 40E (**E) International Canopy



INTL POWERFEED CANOPY FOR INTEGRAL DRIVER FIXTURES

This powerfeed canopy replaces the flat style canopy from the North American mounting style (44, 41, & 40) versions pictured)

DATE	PROJECT	FIRM	TYPE
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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.

STANDARD			CUSTOM			
LUMINAIRE  SATIN CLEAR ANODIZING	 RAL 9005 MATTE BLACK	 RAL 9003 SATIN WHITE	 BRONZE	 COLOR ANODIZE	 SPECULAR	 RAL COLORS
HARDWARE  MACHINED COMPONENTS	 RAL 9005 MATTE BLACK	 RAL 9003 SATIN WHITE				

SENSORS

Optional fixture integrated sensors and controls offer wireless control system compatibility directly from the factory. Lumium luminaires are now available with integrated control gear from 4 major partners.

			
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NOTE: Information on this Spec Sheet is subject to change, please visit www.ecosenselighting.com for the most updated information.