3G LIGHTING

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

3GT **3GB**

ORDERING INFORMATION

PROJECT:		TYPE:	
CATALOG #:		DATE:	

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] **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	**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]

VOLTAGE	DRIVER	LENS OPTION (DIRECT)	LENS OPTION (INDIRECT)	FINISH
UNV - 120-277V	**D01** - 0-10V (100-0.1%) **DALI** - DALI (eldoLED, 100-1%) **DMX** - DMX (100-1%) [1] **DHLT** - LUTRON T SERIES (100-0.1%) (2 CHANNEL TUNABLE WHITE)	**FL** - FLUSH **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	**EMC** - EMERGENCY CIRCUIT [4]	**S** - ____' (STRAIGHT RUN)* **L** - ____'X ____' (L-SHAPE) **U** - ____'X ____'X ____' (U-SHAPE) **R** - ____'X ____' (RECTANGLE/SQUARE) **T** - ____'X ____' (T-SHAPE) **X** - ____'X ____' (X-SHAPE) **CUS** - ____ (CUSTOM LAYOUT - PROVIDE DRAWING) * Individual units available from 2' to 8' Continuous runs available in 1' increments

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 EMC (emergency circuit) options available for tunable white LED source only. Not available with RGBW
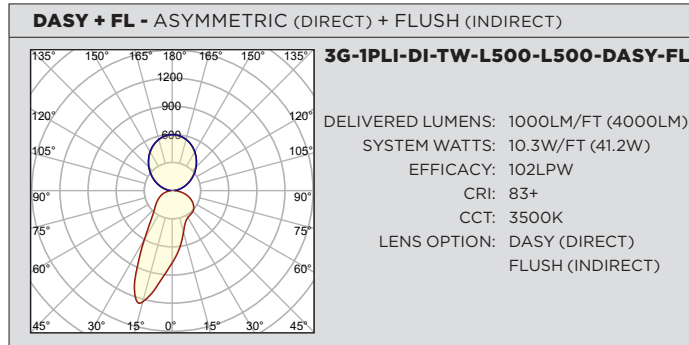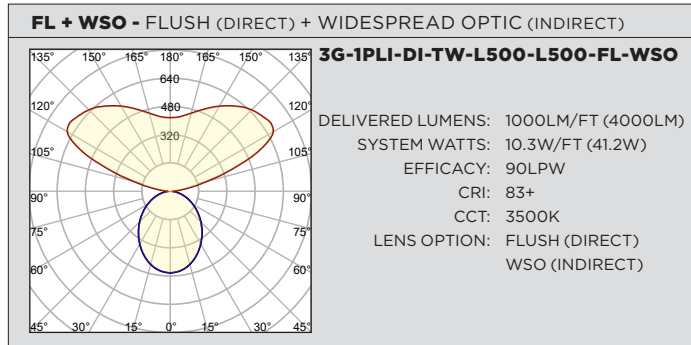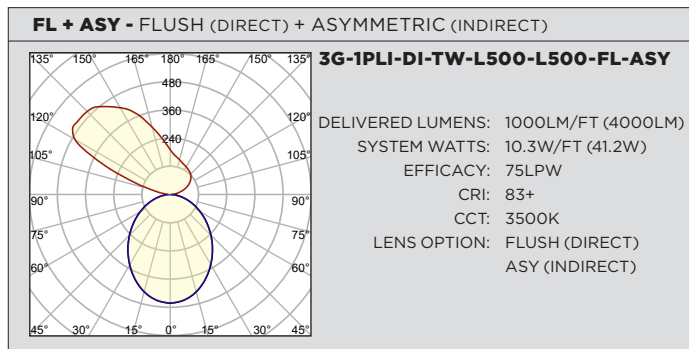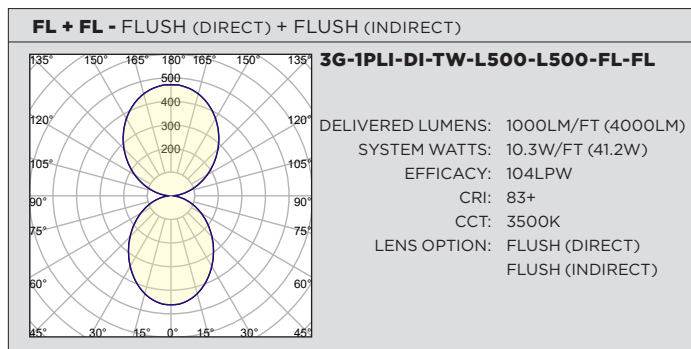
3GT - Tunable White
3GB - RGBW

JUNE 7, 2020

ETL 5 YEAR LIMITED WARRANTY

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
2700K	250	250	500	3.0	1.9	4.9	84	120	98
	500	500	1000	6.1	4.2	10.3	81	116	95
	750	750	1500	9.4	6.1	15.5	80	115	94
	1000	1000	2000	12.5	8.6	21.0	79	114	93
3500K	250	250	500	3.0	1.9	4.9	90	129	105
	500	500	1000	6.1	4.2	10.3	88	128	104
	750	750	1500	9.4	6.1	15.5	85	123	100
	1000	1000	2000	12.5	8.6	21.0	83	118	97
6500K	250	250	500	3.0	1.9	4.9	102	145	118
	500	500	1000	6.1	4.2	10.3	103	144	120
	750	750	1500	9.4	6.1	15.5	98	141	115
	1000	1000	2000	12.5	8.6	21.0	92	132	108

EFFICACY (LPW) ADJUSTMENT FACTOR	CRI	Multiplier
	93+	0.88

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

FL + FL - FLUSH (DIRECT) + FLUSH (INDIRECT)

3G-1PLI-DI-TW-L500-L500-FL-FL

DELIVERED LUMENS: 1000LM/FT (4000LM)
SYSTEM WATTS: 10.3W/FT (41.2W)
EFFICACY: 104LPW
CRI: 83+
CCT: 3500K
LENS OPTION: FLUSH (DIRECT)
FLUSH (INDIRECT)

FL + ASY - FLUSH (DIRECT) + ASYMMETRIC (INDIRECT)

3G-1PLI-DI-TW-L500-L500-FL-ASY

DELIVERED LUMENS: 1000LM/FT (4000LM)
SYSTEM WATTS: 10.3W/FT (41.2W)
EFFICACY: 75LPW
CRI: 83+
CCT: 3500K
LENS OPTION: FLUSH (DIRECT)
ASY (INDIRECT)

FL + WSO - FLUSH (DIRECT) + WIDESPREAD OPTIC (INDIRECT)

3G-1PLI-DI-TW-L500-L500-FL-WSO

DELIVERED LUMENS: 1000LM/FT (4000LM)
SYSTEM WATTS: 10.3W/FT (41.2W)
EFFICACY: 90LPW
CRI: 83+
CCT: 3500K
LENS OPTION: FLUSH (DIRECT)
WSO (INDIRECT)

DASY + FL - ASYMMETRIC (DIRECT) + FLUSH (INDIRECT)

3G-1PLI-DI-TW-L500-L500-DASY-FL

DELIVERED LUMENS: 1000LM/FT (4000LM)
SYSTEM WATTS: 10.3W/FT (41.2W)
EFFICACY: 102LPW
CRI: 83+
CCT: 3500K
LENS OPTION: DASY (DIRECT)
FLUSH (INDIRECT)

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
3500K	250	250	500	2.6	1.8	4.5	95	136	112
	500	500	1000	5.4	3.8	9.2	93	134	110
	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 PER LED	RGB	INTENSITY Min - Max (mcd)
	RED	355 – 805
	GREEN	710 – 1400
	BLUE	140 – 355

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

FL + FL - FLUSH (DIRECT) + FLUSH (INDIRECT)

3G-1PLI-DI-RGBW-L500-L500-FL-FL

DELIVERED LUMENS: 1000LM/FT (4000LM)
SYSTEM WATTS: 9.2W/FT (36.8W)
EFFICACY: 110LPW
CRI: 83+
CCT: 3500K
LENS OPTION: FLUSH (DIRECT)
FLUSH (INDIRECT)

ETL
5 YEAR LIMITED WARRANTY

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

ELECTRICAL

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

Multiple driver options available for tunable white LED system

DMX driver option for RGBW system with RDM control and 100-0% 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

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)
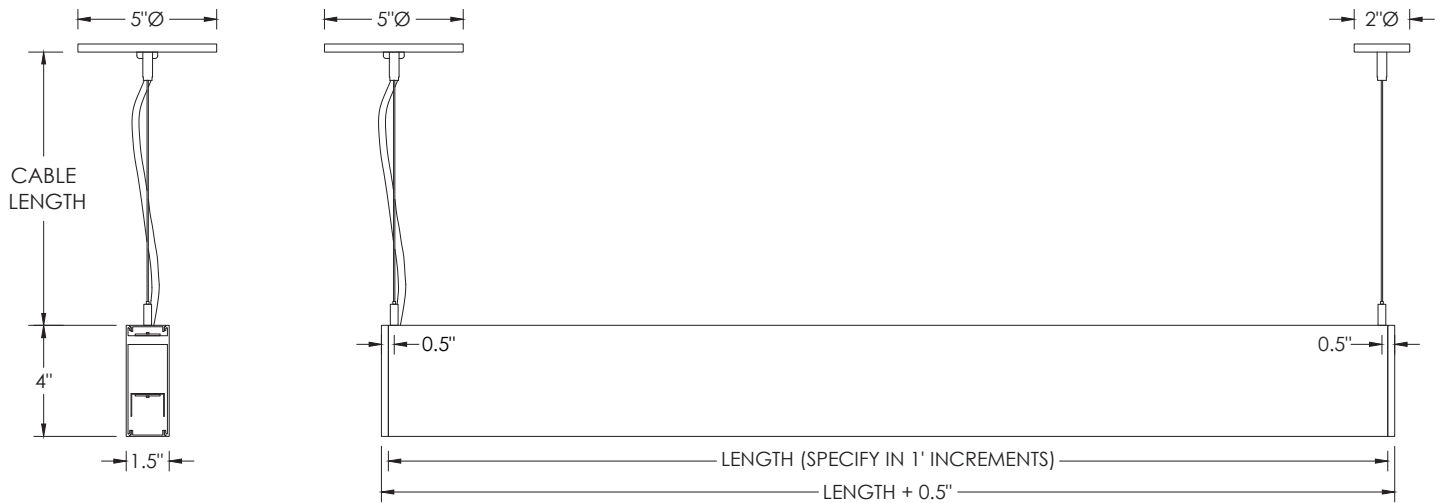
Fixture weight: +/- 2.5 lb/ft

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

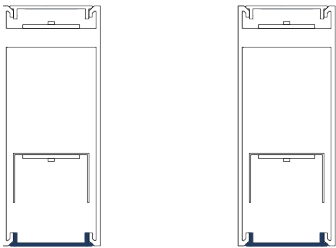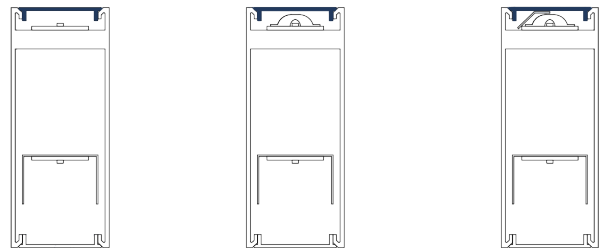Ambient temperature at fixture should not exceed 25°C

DRAWINGS AND DIMENSIONS

5"Ø   5"Ø   2'Ø

CABLE LENGTH

4"

1.5"

0.5"

0.5"

LENGTH (SPECIFY IN 1' INCREMENTS)

LENGTH + 0.5"

LENS OPTION

DIRECT LENS OPTION
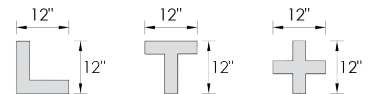
FL - FLUSH   **DASY -** ASYMMETRIC

INDIRECT LENS OPTION

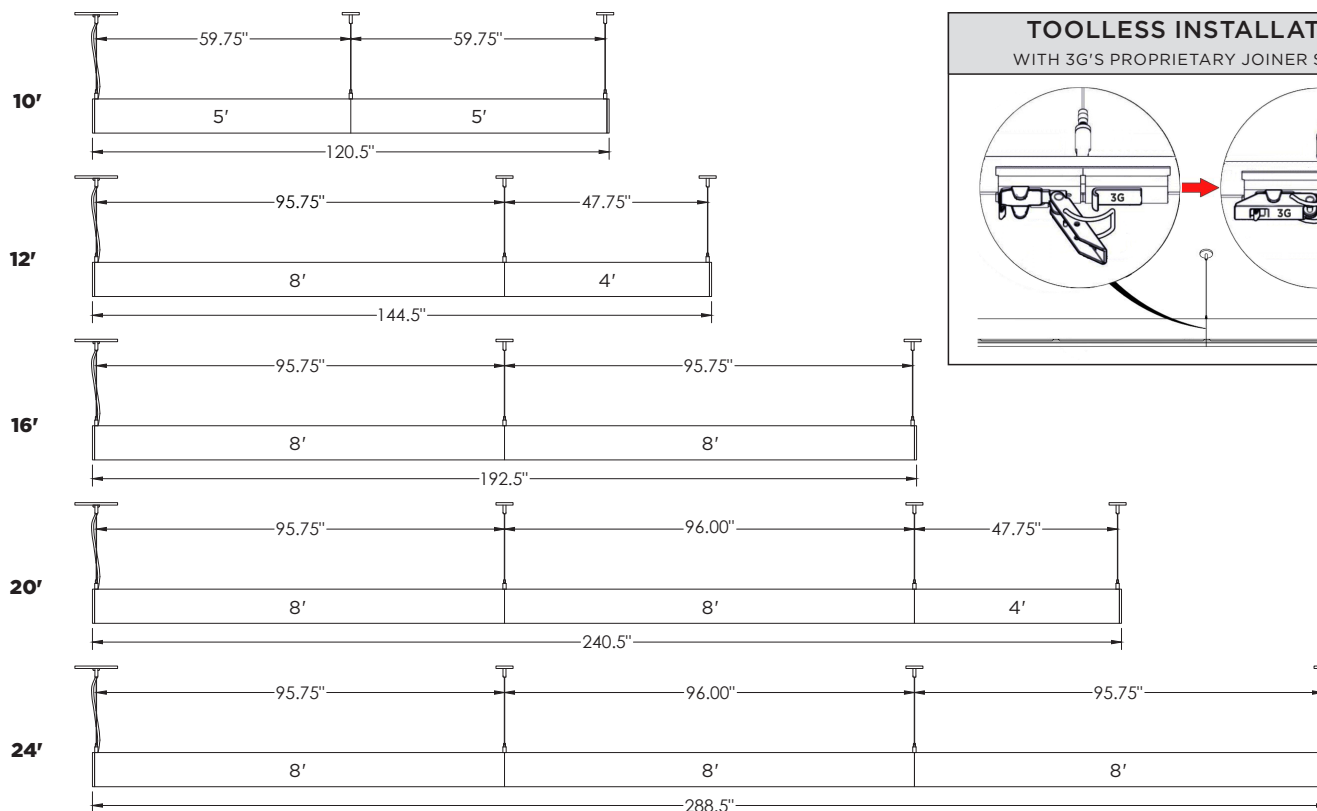**FL -** FLUSH   **WSO -** WIDESPREAD   **ASY -** ASYMMETRIC

PATTERNS

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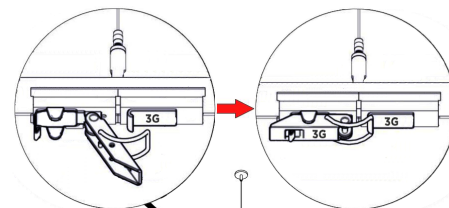Patterns are connected with fully illuminated 12″x12″ L, T, and X-shaped sections

12"   12"   12"
12"   12"   12"

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)

10′
59.75" | 59.75"
5′ | 5′
120.5"

12′
95.75" | 47.75"
8′ | 4′
144.5"

16′
95.75" | 95.75"
8′ | 8′
192.5"

20′
95.75" | 96.00" | 47.75"
8′ | 8′ | 4′
240.5"

24′
95.75" | 96.00" | 95.75"
8′ | 8′ | 8′
288.5"

TOOLLESS INSTALLATION
WITH 3G'S PROPRIETARY JOINER SYSTEM

MOUNTING DETAILS

GRID POWER FEED	GRID NON POWER FEED
4″ SLOTTED JUNCTION BOX (BY OTHERS)	
5'Ø	2'Ø

DRYWALL POWER FEED	DRYWALL NON POWER FEED
OCTAGON JUNCTION BOX (BY OTHERS)	
5'Ø	2'Ø

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5 YEAR LIMITED WARRANTY