

3G LIGHTING

3G-1PLI-DI

1.5" LINEAR PENDANT
DIRECT/INDIRECT

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 127 lumens per watt
Extruded acrylic lens with optimal performance and glare control
Widespread and Asymmetric optics available
1% dimming standard with several driver options



ORDERING INFORMATION

PROJECT:		TYPE:	
CATALOG #:		DATE:	

CAT. NO	LUMEN OUTPUT (DIRECT)	LUMEN OUTPUT (INDIRECT)	CRI	COLOR TEMP
3G-1PLI-DI	L250 - LOW OUTPUT (250 LM/FT) ¹	L250 - LOW OUTPUT (250 LM/FT) ¹	S80 - 83+ CRI (STANDARD) H90 - 93+ CRI	27K - 2700K
	L500 - MEDIUM OUTPUT (500 LM/FT)	L500 - MEDIUM OUTPUT (500 LM/FT)		30K - 3000K
	L750 - HIGH OUTPUT (750 LM/FT)	L750 - HIGH OUTPUT (750 LM/FT)		35K - 3500K
	L1000 - VERY HIGH OUTPUT (1000 LM/FT) ²	L1000 - VERY HIGH OUTPUT (1000 LM/FT) ^{2,3}		40K - 4000K
	LC___ - CUSTOM OUTPUT (SPECIFY LM/FT) [*]	LC___ - CUSTOM OUTPUT (SPECIFY LM/FT) [*]		
	*Specify custom lumen outputs in 50lm increments (ie: LC600, LC650, LC700) Custom output cannot exceed LC1000	*Specify custom lumen outputs in 50lm increments (ie: LC600, LC650, LC700) Custom output cannot exceed LC1000		

VOLTAGE	DRIVER	LENS OPTION (DIRECT)	LENS OPTION (INDIRECT)	FINISH
UNV - 120-277V 347 - 347V (0-10V ONLY)	DIM - 0-10V (STANDARD - 100-1%) DHL2 - LUTRON HI-LUME LDE1 (100-1% ECOSYSTEM) DALI - DALI (100-1%) ⁴ D01 - 0-10V (100-0.1%)	FL - FLUSH DASY - ASYMMETRIC OPTIC	FL - FLUSH WSO - WIDESPREAD OPTIC ASY - ASYMMETRIC OPTIC	WH - WHITE (STANDARD) 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	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 in 2', 3', 4', 5', 6', and 8' Continuous runs available in 1' increments as standard

¹ L250 (250LM/FT) not available in 2' and 3' lengths (Please specify LC400 for 2' and 3' fixture length when outputs lower than 500LM/FT are required)

² L1000 (1000LM/FT) not available with H90 (93+ CRI)

³ L1000 (1000LM/FT) not available with ASY (Indirect Asymmetric optic)

⁴ DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options

OCTOBER 5, 2020

**3G-1PLI-DI**

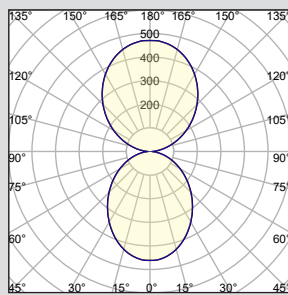
LIGHTING 1.5" LINEAR PENDANT - DIRECT/INDIRECT

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

LENS OPTION	DELIVERED LUMENS (LM/FT)			SYSTEM WATTS (W/FT)			EFFICACY (LPW)		
	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL
DIRECT + INDIRECT									
FLUSH + FLUSH	250	250	500	2.3	1.7	4.0	110	146	125
	500	500	1000	4.5	3.3	7.8	111	148	127
	750	750	1500	7.2	5.2	12.4	105	144	121
	1000	1000	2000	9.9	7.2	17.1	101	137	116
FLUSH + WSO	250	250	500	2.3	1.7	4.0	110	114	111
	500	500	1000	4.5	3.3	7.7	111	107	109
	750	750	1500	7.2	5.3	12.5	105	111	108
	1000	1000	2000	9.9	7.2	17.1	101	108	104
FLUSH + ASYMMETRIC	250	250	500	2.3	1.7	4.0	110	74	94
	500	500	1000	4.5	3.4	7.8	111	77	96
	750	750	1500	7.2	5.3	12.5	105	72	91
	1000	750	1750	9.9	5.3	15.2	101	72	91
ASYMMETRIC + FLUSH	250	250	500	2.3	1.7	4.0	106	146	123
	500	500	1000	4.5	3.3	7.8	105	148	124
	750	750	1500	7.2	5.2	12.4	102	144	119
	1000	1000	2000	9.9	7.2	17.1	102	137	117
LUMEN OUTPUT ADJUSTMENT FACTORS	CCT	Multiplier							
	2700K	0.945							
	3000K	0.985							
	3500K	1.00							
	4000K	1.01							
EFFICACY (LPW) ADJUSTMENT FACTOR	CRI	Multiplier							
	93+	0.88							

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

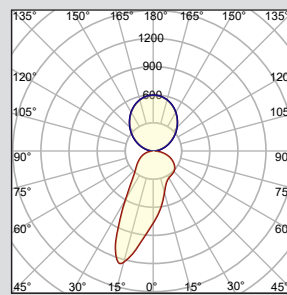
FL + FL - FLUSH (DIRECT) + FLUSH (INDIRECT)



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

DELIVERED LUMENS: 1000LM/FT (4000LM)
 SYSTEM WATTS: 7.8W/FT (31.2W)
 EFFICACY: 127LPW
 CRI: 83+
 CCT: 3500K
 LENS OPTION: FLUSH (DIRECT)
 FLUSH (INDIRECT)

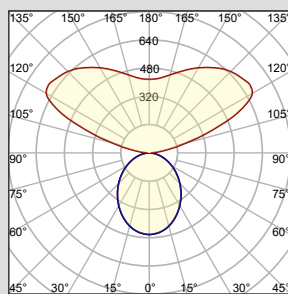
DASY + FL - ASYMMETRIC (DIRECT) + FLUSH (INDIRECT)



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

DELIVERED LUMENS: 1000LM/FT (4000LM)
 SYSTEM WATTS: 7.8W/FT (31.2W)
 EFFICACY: 124LPW
 CRI: 83+
 CCT: 3500K
 LENS OPTION: DASY (DIRECT)
 FLUSH (INDIRECT)

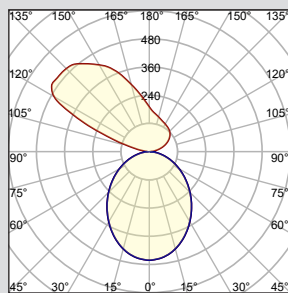
FL + WSO - FLUSH (DIRECT) + WIDESPREAD OPTIC (INDIRECT)



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

DELIVERED LUMENS: 1000LM/FT (4000LM)
 SYSTEM WATTS: 7.7W/FT (30.8W)
 EFFICACY: 109LPW
 CRI: 83+
 CCT: 3500K
 LENS OPTION: FLUSH (DIRECT)
 WSO (INDIRECT)

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



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

DELIVERED LUMENS: 1000LM/FT (4000LM)
 SYSTEM WATTS: 7.8W/FT (31.2W)
 EFFICACY: 96LPW
 CRI: 83+
 CCT: 3500K
 LENS OPTION: FLUSH (DIRECT)
 ASY (INDIRECT)



3G-1PLI-DI

LIGHTING 1.5" LINEAR PENDANT - DIRECT/INDIRECT

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 mounting distance at 12" to 30" from ceiling

ELECTRICAL

Luminaires are pre-wired with factory installed quick connects and branch circuit wiring
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
Lutron EcoSystem and eldoLED DALI options available with 100-1% dimming range
All drivers are integral and easily accessible through luminaire aperture

LED SYSTEM

Proprietary LED system with color consistency <3 SDCM
Available in 27K, 30K, 35K, and 40K
Standard 83+CRI. Optional 93+CRI
R9 value of 56 for 93+CRI
L90 >60,000 hours
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

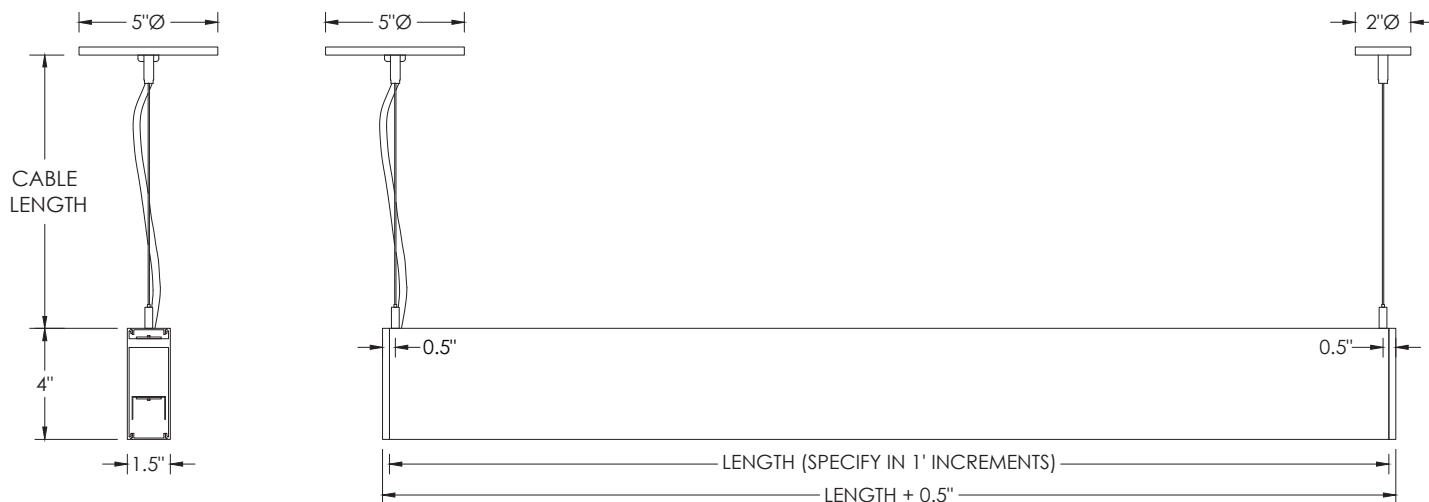
LISTING

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

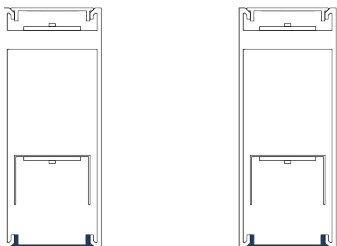


LENS OPTION

DIRECT LENS OPTION

FL - FLUSH

DASY - ASYMMETRIC

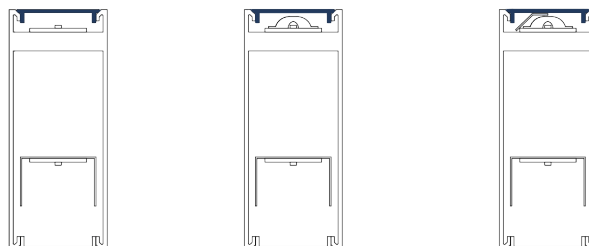


INDIRECT LENS OPTION

FL - FLUSH

WSO - WIDESPREAD

ASY - ASYMMETRIC

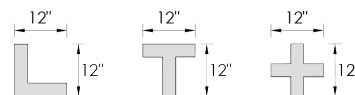


PATTERNS

Specify pattern shape and overall dimensions as shown below

Patterns are connected with fully illuminated 12"x12" L, T, and X-shaped sections

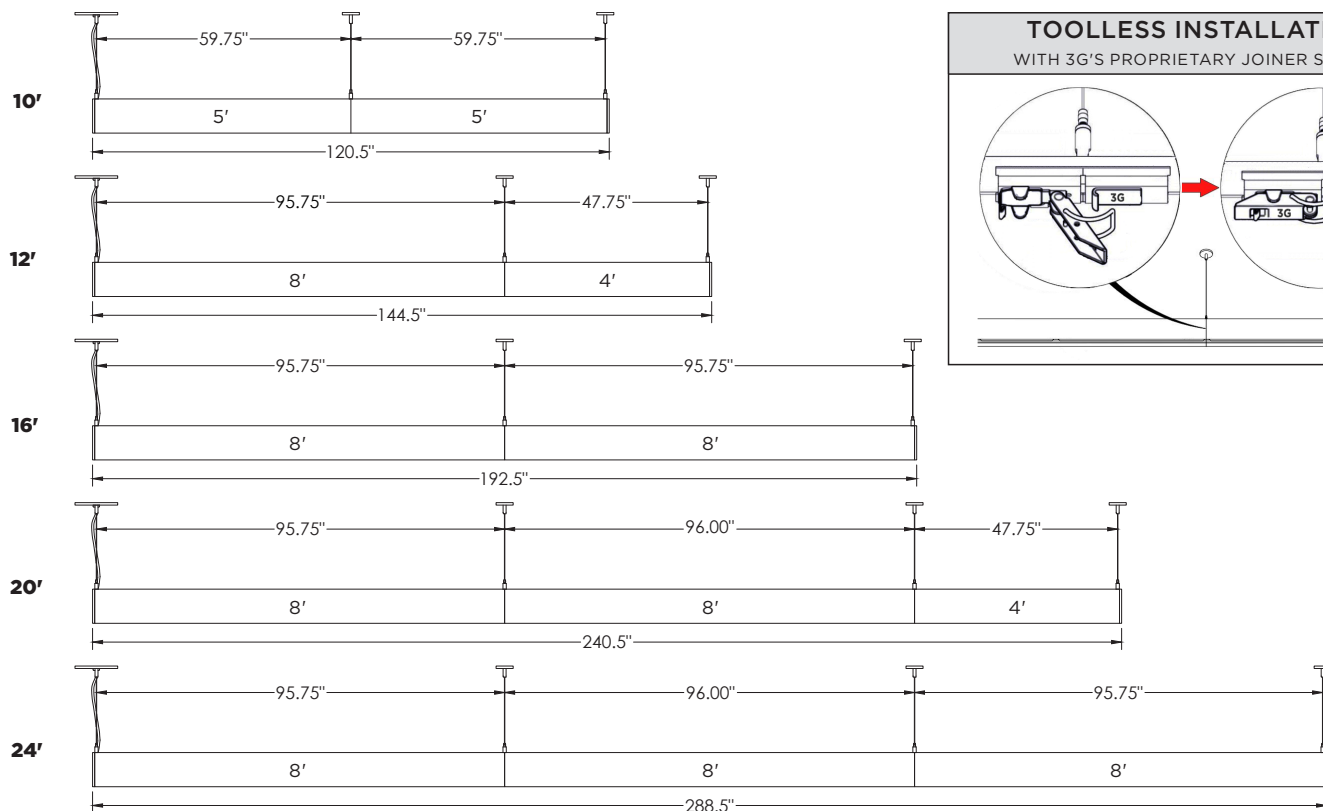
Please consult factory for custom patterns and shapes not shown below



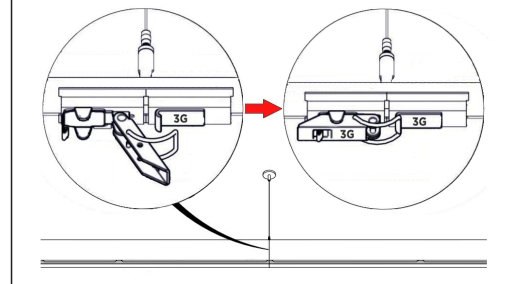
L-SHAPE	U-SHAPE	RECTANGLE/SQUARE	T-SHAPE	X-SHAPE
Provide dimensions of AxB Example: L - 6'x8'	Provide dimensions of AxBxC Example: U - 8'x10'x6'	Provide dimensions of AxB Example: R - 10'x8'	Provide dimensions of AxB Example: T - 14'x6'	Provide dimensions of AxB Example: X - 14'x14'

3G**3G-1PLI-DI**

LIGHTING 1.5" LINEAR PENDANT - DIRECT/INDIRECT

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

WITH 3G'S PROPRIETARY JOINER SYSTEM

**MOUNTING DETAILS**