SANTA ROSA ISLAND AUTHORITY

1 VIA DE LUNA DR
PENSACOLA BEACH, FLORIDA

Basis of Design Luminaire Selections

REI Project No.: E25-33

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October 17, 2025

LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

DIGITAL NAVIGATION

Ordering Tree nLight Platform Photometrics Performance Data Drawings

EPANL LED

1'x4', 2'x2', and 2'x4'

FEATURES & SPECIFICATIONS

INTENDED USE — The EPANL Series LED Edge-Lit Flat Panel provides a fully luminous appearance across the face of the lens. This provides a soft, glare-free solution that is visually comfortable within the space. Suitable for many lighting applications including schools, offices and other commercial spaces, retail, convenience stores, hospitals and healthcare facilities. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.

CONSTRUCTION — This edgelit platform was built to last with an aluminum frame for strength and durability, the seamless frame prevents light leak in the corners. The PMMA light guide plate and lens resists yellowing and transmits light with superior efficacy. The satin white lens provides excellent shielding and fully luminous appearance. EPANL's low-profile design provides increased installation flexibility especially in restricted plenum spaces. The back plate includes integral T-bar clips for installation into 15/16" or 9/16" T-grid ceilings. Fixture may be recessed, suspended, surface box mounted or mounted in a hard-ceiling see accessories section for more information.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software.

Integrated Smart Sensor (nLight Air Wireless Platform): The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or a microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CL**AIR**ITY+, which allows for simple sensor adjustment.

ELECTRICAL — Long-life LEDs, coupled with a high-efficiency driver, provide superior illumination for extended service life. See page 3 for detailed lumen maintenance information. 0-10V dimming driver, dims to 1% or 10% and contains non-isolated dimming leads.

LISTINGS — CSA Certified to meet US and Canadian standards. Tested to meet UL1598. Intended for indoor use only. Product is not to be stored in non-climate controlled spaces.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Damp location listed. IC rated. IP5X rated. Long nomenclature, configurable product is rated for NSF/ANSI Standard 2 - Light Fixture for Splash Zone and Non Food Zone. Tested in accordance with ISO 14644-1; suitable for ISO Class 5–9 positive and negative pressure clean rooms. Suitable for ambient temperatures from 32°F (0°C) to 77°F (25°C).

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: 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.

Dimensions

	1x4	2x2	2x4
Length	47.72"	23.70"	47.72"
Width	11.85"	23.70"	23.70"
Depth	2.19"	2.19"	2.19"
Weight	13.9 lbs	7.4 lbs	15.1 lbs

* Base configurations; options may add weight

Embed nLight controls today. Prepare for tomorrow.

Now	Tomorrow
User-friendly install	Scalability
Enhanced energy savings	Space configuration
Code compliance	Future-ready

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

EPANL LED Flat Panel

A+ Capable options indicated by this color background.

ORDERING INFORMATION

Example: EPANL 2X4 4000LM 80CRI 35K MIN1 MVOLT E10WCP NLTAIR2 RIO

Series	Width and Length	Lumens	CRI	Color Temperature	Minimum Dimming Level ‡
EPANL LED Flat Panel	1x4 1'x4'	Standard Lumens: 1500LM 1500 Lumens 3000LM 3000 Lumens 4000LM 4000 Lumens 4800LM 4800 Lumens	80CRI 80 CRI	35K 3500K 40K 4000K	MIN10 Dims to 10% ‡ MIN1 Dims to 1%
	2x2 2'x2'	2000LM 2000 Lumens 3400LM 3400 Lumens 4000LM 4000 Lumens 4800LM 4800 Lumens			
	2x4 2'x4'	3000LM 3000 Lumens 4000LM 4000 Lumens 4800LM 4800 Lumens 5400LM 5400 Lumens 6000LM 6000 Lumens			

Dimming ‡	Voltage	Step Level Dimming	Emergency Option
ZT Generic 0-10V Dimming EZT eldoLED 0-10V Dimming	MVOLT 120-277V 120 120V 277 277V 347 347V ‡	(Blank) None	E10WCP EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ‡ GTD Generator Transfer Device ‡ EMG for use with NLIGHT or NLTAIR2 on generator supply EM power ‡

Control Options

Control Input

nLight Wired:

NLIGHT	nLight enabled, no constant lumen management
CL80 NLIGHT	nLight enabled, constant lumen output 80%

nLight Wireless:

NLTAIR2	nLight AIR Generation 2 enabled ‡

Control

nLight Wired: ‡

(blank)	no control

nLight Wireless:

RIO	nLight AIR Radio module without sensor ‡
RES7	nLight AIR control with PIR integral occupancy sensor and automatic dimming photocell ‡
RES7PDT	nLight AIR control with PDT dual technology integral occupancy sensor and automatic dimming photocell ‡

Options

GLR	Fast-blowing fuse ‡
GMF	Slow-blowing fuse ‡
PWS1836	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit
PWS1846	6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit
PWS1846 PWSLV	Two cables: one 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge ‡
PWS1856LV	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/low voltage wires ‡
CP	Chicago plenum ‡
NPLT	Narrow Pallet
BDP	Factory Installed Ballast Disconnect Plug
RRL_	RELOC®-ready luminaire ‡

NOTE: ‡ indicates option value has ordering restrictions. Please reference the Option Value Ordering Restictions chart on the next page. Options are sorted alphanumerically.

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EPANL LED Flat Panel

‡ Option Value Ordering Restrictions	
Option Value	**Restriction**
347	Not available with E10WCP, or GTD options.
Dimming	If NLIGHT or NLTAIR2 is specified, leave this section blank.
CP	Not available with nLight wired (NLIGHT), nLight wireless (NLTAIR2). Not available with PWS1836, PWS1846, PWS1856LV, or PWS1846 PWSLV.
E10WCP	Refer to Emergency Battery Estimated Lumen section for lumen estimation. Test Switch must be remote mounted or installed in an adjacent ceiling tile. When using pre-wire option, use PWS1846 or PWS1846 PWSLV.
EMG	Requires a connection to existing NLIGHT or NLTAIR2 network. Power is provided from separate nLight enabled fixture. When EMG is combined with NLTAIR2 see UL924 Sequence of Operation Chart on page 4.
GLR, GMF	Must specify voltage. 120 or 277, with GLR and GMF fusing.
GTD	Not available with sensor options or emergency battery options. Must specify voltage. Requires BSE labeling (see BSE Options chart below), voltage specific. Example: GTD BSE10. When using a pre-wire option, use PWS1846 or PWS1846 PWSLV.
MIN10	Not available with EZT, NLIGHT.
NLTAIR2	Only available with MIN1 minimum dimming level option.
PWS1846 PWSLV	Not available with GTD, nLight wired, nLight wireless, NLIGHT or NLTAIR2.
PWS1856LV	Not available with nLight wired, nLight wireless, NLIGHT, or NLTAIR2.
RES7, RES7PDT, RIO	See UL924 Sequence of Operation chart on page 4. Can be used as a normal power sensing device for nLight Air devices and luminaries with EM options.
RRL_	For ordering logic consult RRL_2013.

Lumen Maintenance:

EPANL	Reported Lumen Maintenance	Forecasted Lumen Maintenance
SE LEDs	L90 @ 41k Hrs / L80 @ >54k Hrs / L70 @>54k Hrs	L90 @ 41k Hrs / L80 @ 84k Hrs / L70 @ 134k Hrs

BSE Labeling Options	
BSE10	Drivers load transfer relay installed per manufacturer's instructions. Voltage, BGTD and BSE10 called out.
BSE14	One voltage fixture with driver load control relay supplied with one prewire (PWS option). Prewire wired for normal circuit, the control relay for emergency circuit left unconnected. Voltage, BGTD, BSE14 and prewire called out, in the description.

*For configurations with Reloc or two voltages an RFA modification is required.

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EPANL LED Flat Panel

ACCESSORIES

Accessories: *Order as separate catalog number.*	
DGA14	Drywall grid adapter for 1x4 recessed fixture.
DGA22	Drywall grid adapter for 2x2 recessed fixture.
DGA24	Drywall grid adapter for 2x4 recessed fixture.
PANLEM E10WCP BKT CVR	Field installable kit includes 10 watt battery, bracket and cover[1]
PANLEM BKT CVR	Field installable kit bracket and cover only, 10W battery NOT included[1]
2X2SMKSH	2'x2' Surface Mount Troffer Kit
2X4SMKSH	2'x4' Surface Mount Troffer Kit
1X4SMKSH	1'x4' Surface Mount Troffer Kit
BDP U	Field Installable Ballast Disconnect Plug
PAC 2DNF 36	Panel Air Craft Kit, 2 cables with Y splitter, No Power Feed, 36 inches. Recommended for 1X4 or 2X2 Panel Fixtures only.[2]
PAC 2DF 36	Panel Air Craft Kit, 2 cables with Y splitter, with Power Feed, 36 inches. Recommended for 1X4 or 2X2 Panel Fixtures only.[2,3]
PAC 4DNF 36	Panel Air Craft Kit, 4 cables, No Power Feed, 36 inches. Recommended for 2X4, 1X4 or 2X2 Panel Fixtures.[2]
PAC 4DF 36	Panel Air Craft Kit, 4 cables, with Power Feed, 36 inches. Recommended for 2X4, 1X4 or 2X2 Panel Fixtures.[2,3]
PAC 2DNF 72	Panel Air Craft Kit, 2 cables with Y splitter, No Power Feed 72 inches. Recommended for 1X4 or 2X2 Panel Fixtures only.[2]
PAC 2DF 72	Panel Air Craft Kit, 2 cables with Y splitter, with Power Feed, 72 inches. Recommended for 1X4 or 2X2 Panel Fixtures only.[2,3]
PAC 4DNF 72	Panel Air Craft Kit, 4 cables, No Power Feed, 72 inches. Recommended for 2X4, 1X4 or 2X2 Panel Fixtures.[2]
PAC 4DF 72	Panel Air Craft Kit, 4 cables, with Power Feed, 72 inches. Recommended for 2X4, 1X4 or 2X2 Panel Fixtures.[2,3]

Emergency Battery Estimated Lumens

Use the formula below to estimate the delivered lumens in emergency mode

Estimated Lumens = 1.25 x P x LPW

P = Output power of emergency driver (10W for PS1055CP)

LPW = Lumen per watt rating of the luminaire.

SMKSH Accessory

Notes:
1. Test switch must be remote mounted or installed in an adjacent ceiling tile.
2. See Suspension Kits section below for additional detail.
3. For MVOLT only, not available with 347V

Emergency Battery Pack Options – Field Installable

Battery Model Number	Wattage	Runtime (Minutes)	Lumen Output* @ 120 Lumens/Watt	Other
ILB CP07 2H A	7W	120	840	Storm Shelter / 2 Hour Runtime
ILB CP10 A	10W	90	1200	
ILB CP10 HE AELR A	10W	90	1200	Title 20; Enabled with Self Testing, Automated Reporting (STAR)
ILBLP CP10 HE SD A	10W	90	1200	Title 20, Self Diagnostic
ILBLP CP15 HE SD A	15W	90	1800	Title 20, Self Diagnostic
ILB CP20 HE A	20W	90	2400	Title 20
ILB CP20 HE SD A	20W	90	2400	Title 20, Self Diagnostic

All the above are UL Listed products that are certified for field install external/remote to the fixture.
*Minimum delivered lumen output to assist in product selection for increased fixture mounting height.
The CP10 delivered emergency illumination outperforms legacy 1400 lumen fluorescent emergency ballast.
Please contact us at techsupport@iotaengineering.com for any Emergency Battery related questions.

UL 924 Response – nLight AIR Devices with EM Option

The below information applies to all nLight AIR devices with an EM option.

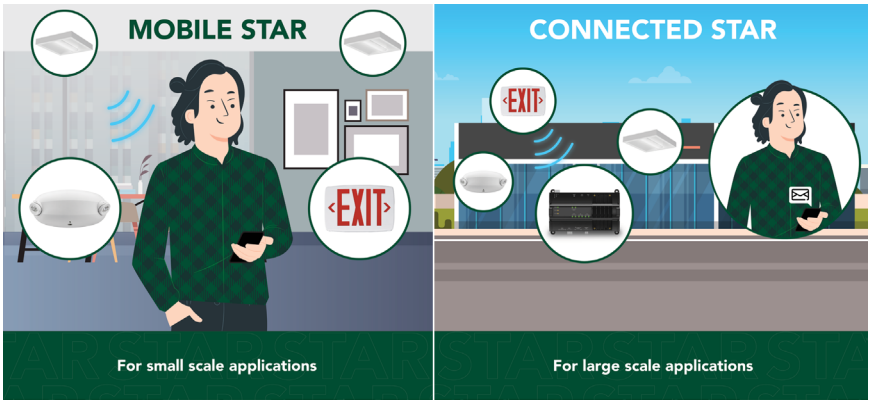
- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

Enabled with STAR

Emergency Lighting with Self-Testing Automated Reporting (STAR), enables self-testing and automated reporting to aid in life safety code compliance. Build your solution and choose your preferred deployment from Mobile STAR, where test data is logged in each individual unit and broadcast to the CLAIRity™+ app, or Connected STAR, where test data is logged in the STAR Gateway by IOTA® and emailed directly. **Leave the ladders, disruptions and written records behind with emergency lighting solutions with STAR!**

Life Safety Code NFPA 101 testing and reporting requirements for emergency lighting include:

- Testing for 30 seconds every 30 days
- Testing for 90 minutes once a year
- Record keeping and to report to the authority having local jurisdiction



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EPANL LED Flat Panel

Performance Data					
Model Number	**DLC Classification**	**Lumens**	**Watts**	**LPW**	**DLC Product ID**
EPANL 1X4 1500LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	1574	14	113	PII6VKUP
EPANL 1X4 1500LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	1637	14	117	P7MFGP4R
EPANL 1X4 3000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	2960	27	110	P5L7HREA
EPANL 1X4 3000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3078	27	114	PICJQWDG
EPANL 1X4 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Not Listed	3811	37	104	
EPANL 1X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3963	37	107	P4SKVRJP
EPANL 1X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4923	45	110	PR3K6SHH
EPANL 2X2 2000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	2071	19	110	P7I6D3WI
EPANL 2X2 2000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	2154	19	115	PPTL71HY
EPANL 2X2 3400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3428	30	113	PQAFPPJ6
EPANL 2X2 3400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	3428	30	113	
EPANL 2X2 3400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3566	30	118	PY8MM627
EPANL 2X2 3400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Standard	3566	30	118	PMKTPCS2
EPANL 2X2 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Not Listed	3963	37	108	
EPANL 2X2 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4121	37	110	PW0040LR
EPANL 2X2 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Not Listed	4729	45	106	
EPANL 2X2 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4843	45	109	PS2AC19A
EPANL 2X4 3000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3141	29	110	P4PIGUFW
EPANL 2X4 3000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3266	29	115	PSPB7FBG
EPANL 2X4 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4077	38	108	PG2MHOZE
EPANL 2X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4240	38	113	PNKUCIIA
EPANL 2X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	4240	38	113	
EPANL 2X4 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4998	45	111	P8FFEBQH
EPANL 2X4 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	4998	45	111	
EPANL 2X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	5119	45	113	PL3AU798
EPANL 2X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	5119	45	113	
EPANL 2X4 5400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	5546	49	113	PVKKX9GJ
EPANL 2X4 5400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	5679	49	116	P31GEZNP
EPANL 2X4 6000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	6364	50	127	PMHI2SAT
EPANL 2X4 6000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Standard	6364	55	115	PD2QM1LA
EPANL 2X4 6000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	6548	50	131	P4H3UGFQ

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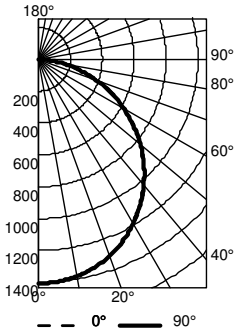
EPANL LED Flat Panel

PHOTOMETRICS

Full Photometric data is available on Lithonia.acuitybrands.com

EPANL 2x2 4000LM 80CRI 40K, 4121 delivered lumens.



CP Summary

	0°	90
0°	1405	1405
5°	1401	1400
15°	1353	1352
25°	1258	1254
35°	1114	1113
45°	940	934
55°	733	727
65°	512	506
75°	280	275
85°	75	73
90	1	1

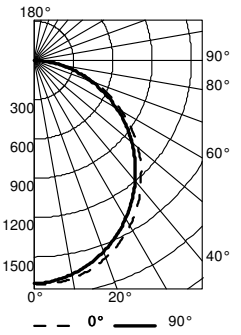
Coefficients of Utilization

	pf	20%								
	pc	80%			70%			50%		
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
RCR	0	119	119	119	116	116	116	111	111	111
	1	108	103	99	101	97	94	97	94	91
	2	98	90	83	88	82	76	84	79	74
	3	90	79	70	77	69	63	74	68	62
	4	82	70	61	68	60	54	66	59	53
	5	75	62	53	61	52	46	59	51	46
	6	69	56	47	55	46	40	53	45	40
	7	64	51	42	50	41	35	48	41	35
	8	60	46	38	46	37	32	44	37	31
	9	56	42	34	42	34	28	41	33	28
	10	52	39	31	39	31	26	38	31	26

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1099	26.7	26.7
0° - 40°	1802	43.7	43.7
0° - 60°	3200	77.6	77.6
0° - 90°	4120	100.0	100.0
90° - 120°	1	0.0	0.0
90° - 130°	1	0.0	0.0
90° - 150°	1	0.0	0.0
90° - 180°	1	0.0	0.0
0° - 180°	4121	100.0	100.0

EPANL 2x4 4800LM 80CRI 40K, 5119 delivered lumens.



CP Summary

	0°	90
0°	1703	1703
5°	1707	1689
15°	1653	1610
25°	1535	1477
35°	1364	1300
45°	1154	1086
55°	903	851
65°	636	593
75°	354	335
85°	103	103
90	3	13

Coefficients of Utilization

	pf	20%								
	pc	80%			70%			50%		
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
RCR	0	119	119	119	116	116	116	111	111	111
	1	108	103	99	101	97	93	97	94	91
	2	98	90	83	88	82	76	84	79	74
	3	90	79	70	77	69	63	74	68	62
	4	82	70	61	68	60	54	66	59	53
	5	75	62	53	61	52	46	59	51	46
	6	69	56	47	55	46	40	53	46	40
	7	64	51	42	50	41	35	48	41	35
	8	60	46	38	46	37	32	44	37	31
	9	56	42	34	42	34	28	41	33	28
	10	52	39	31	39	31	26	38	31	26

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1330	26.7	26.7
0° - 40°	2179	43.8	43.8
0° - 60°	3862	77.6	77.6
0° - 90°	4975	100.0	100.0
90° - 120°	1	0.0	0.0
90° - 130°	1	0.0	0.0
90° - 150°	1	0.0	0.0
90° - 180°	1	0.0	0.0
0° - 180°	4976	100.0	100.0

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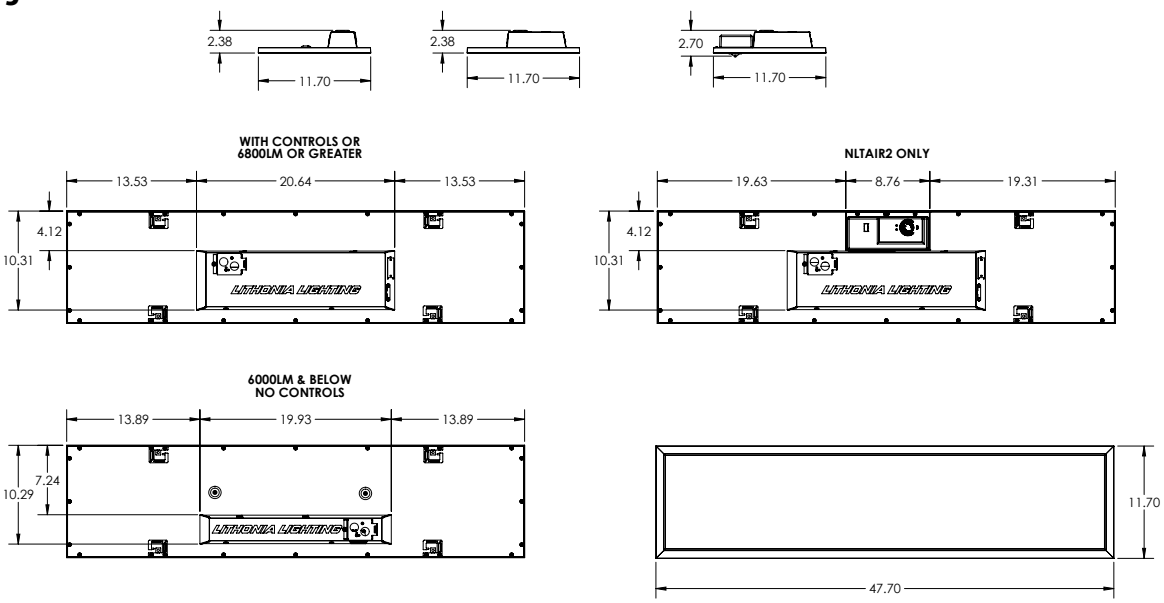
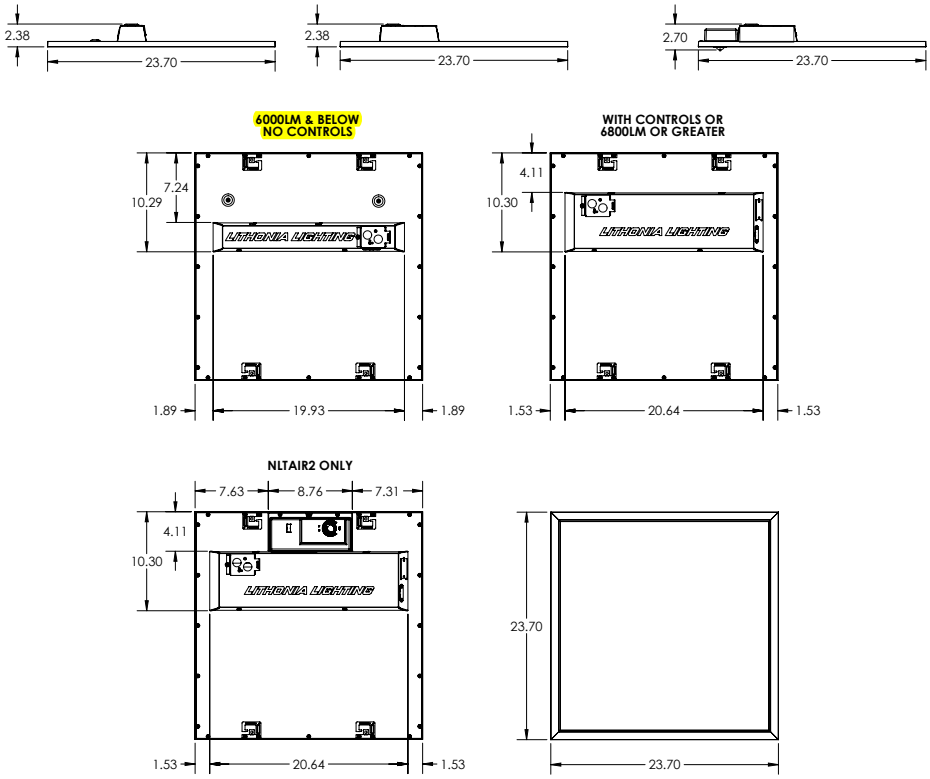
EPANL LED Flat Panel

DIMENSIONS

1X4 Configurations



2X2 Configurations



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LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

DIGITAL NAVIGATION

Ordering Tree nLight Platform Photometrics Performance Data Drawings

EPANL LED

1'x4', 2'x2', and 2'x4'

FEATURES & SPECIFICATIONS

INTENDED USE — The EPANL Series LED Edge-Lit Flat Panel provides a fully luminous appearance across the face of the lens. This provides a soft, glare-free solution that is visually comfortable within the space. Suitable for many lighting applications including schools, offices and other commercial spaces, retail, convenience stores, hospitals and healthcare facilities. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.

CONSTRUCTION — This edgelit platform was built to last with an aluminum frame for strength and durability, the seamless frame prevents light leak in the corners. The PMMA light guide plate and lens resists yellowing and transmits light with superior efficacy. The satin white lens provides excellent shielding and fully luminous appearance. EPANL's low-profile design provides increased installation flexibility especially in restricted plenum spaces. The back plate includes integral T-bar clips for installation into 15/16" or 9/16" T-grid ceilings. Fixture may be recessed, suspended, surface box mounted or mounted in a hard-ceiling see accessories section for more information.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software.

Integrated Smart Sensor (nLight Air Wireless Platform): The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or a microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CL**AIR**ITY+, which allows for simple sensor adjustment.

ELECTRICAL — Long-life LEDs, coupled with a high-efficiency driver, provide superior illumination for extended service life. See page 3 for detailed lumen maintenance information. 0-10V dimming driver, dims to 1% or 10% and contains non-isolated dimming leads.

LISTINGS — CSA Certified to meet US and Canadian standards. Tested to meet UL1598. Intended for indoor use only. Product is not to be stored in non-climate controlled spaces.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Damp location listed. IC rated. IP5X rated. Long nomenclature, configurable product is rated for NSF/ANSI Standard 2 - Light Fixture for Splash Zone and Non Food Zone. Tested in accordance with ISO 14644-1; suitable for ISO Class 5–9 positive and negative pressure clean rooms. Suitable for ambient temperatures from 32°F (0°C) to 77°F (25°C).

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: 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.

Dimensions

	1x4	2x2	2x4
Length	47.72"	23.70"	47.72"
Width	11.85"	23.70"	23.70"
Depth	2.19"	2.19"	2.19"
Weight	13.9 lbs	7.4 lbs	15.1 lbs

* Base configurations; options may add weight

Embed nLight controls today. Prepare for tomorrow.

Now	Tomorrow
User-friendly install	Scalability
Enhanced energy savings	Space configuration
Code compliance	Future-ready

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

EPANL LED Flat Panel

A+ Capable options indicated by this color background.

ORDERING INFORMATION

Example: EPANL 2X4 4000LM 80CRI 35K MIN1 MVOLT E10WCP NLTAIR2 RIO

Series	Width and Length	Lumens	CRI	Color Temperature	Minimum Dimming Level ‡
EPANL LED Flat Panel	1x4 1'x4'	Standard Lumens: 1500LM 1500 Lumens 3000LM 3000 Lumens 4000LM 4000 Lumens 4800LM 4800 Lumens	80CRI 80 CRI	35K 3500K 40K 4000K	MIN10 Dims to 10% ‡ MIN1 Dims to 1%
	2x2 2'x2'	2000LM 2000 Lumens 3400LM 3400 Lumens 4000LM 4000 Lumens 4800LM 4800 Lumens			
	2x4 2'x4'	3000LM 3000 Lumens 4000LM 4000 Lumens 4800LM 4800 Lumens 5400LM 5400 Lumens 6000LM 6000 Lumens			

Dimming ‡	Voltage	Step Level Dimming	Emergency Option
ZT Generic 0-10V Dimming EZT eldoLED 0-10V Dimming	MVOLT 120-277V 120 120V 277 277V 347 347V ‡	(Blank) None	E10WCP EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ‡ GTD Generator Transfer Device ‡ EMG for use with NLIGHT or NLTAIR2 on generator supply EM power ‡

Control Options

Control Input

nLight Wired:

NLIGHT	nLight enabled, no constant lumen management
CL80 NLIGHT	nLight enabled, constant lumen output 80%

nLight Wireless:

NLTAIR2	nLight AIR Generation 2 enabled ‡

Control

nLight Wired: ‡

(blank)	no control

nLight Wireless:

RIO	nLight AIR Radio module without sensor ‡
RES7	nLight AIR control with PIR integral occupancy sensor and automatic dimming photocell ‡
RES7PDT	nLight AIR control with PDT dual technology integral occupancy sensor and automatic dimming photocell ‡

Options

GLR	Fast-blowing fuse ‡
GMF	Slow-blowing fuse ‡
PWS1836	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit
PWS1846	6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit
PWS1846 PWSLV	Two cables: one 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge ‡
PWS1856LV	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/low voltage wires ‡
CP	Chicago plenum ‡
NPLT	Narrow Pallet
BDP	Factory Installed Ballast Disconnect Plug
RRL_	RELOC®-ready luminaire ‡

NOTE: ‡ indicates option value has ordering restrictions. Please reference the Option Value Ordering Restictions chart on the next page. Options are sorted alphanumerically.

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EPANL LED Flat Panel

‡ Option Value Ordering Restrictions	
Option Value	**Restriction**
347	Not available with E10WCP, or GTD options.
Dimming	If NLIGHT or NLTAIR2 is specified, leave this section blank.
CP	Not available with nLight wired (NLIGHT), nLight wireless (NLTAIR2). Not available with PWS1836, PWS1846, PWS1856LV, or PWS1846 PWSLV.
E10WCP	Refer to Emergency Battery Estimated Lumen section for lumen estimation. Test Switch must be remote mounted or installed in an adjacent ceiling tile. When using pre-wire option, use PWS1846 or PWS1846 PWSLV.
EMG	Requires a connection to existing NLIGHT or NLTAIR2 network. Power is provided from separate nLight enabled fixture. When EMG is combined with NLTAIR2 see UL924 Sequence of Operation Chart on page 4.
GLR, GMF	Must specify voltage. 120 or 277, with GLR and GMF fusing.
GTD	Not available with sensor options or emergency battery options. Must specify voltage. Requires BSE labeling (see BSE Options chart below), voltage specific. Example: GTD BSE10. When using a pre-wire option, use PWS1846 or PWS1846 PWSLV.
MIN10	Not available with EZT, NLIGHT.
NLTAIR2	Only available with MIN1 minimum dimming level option.
PWS1846 PWSLV	Not available with GTD, nLight wired, nLight wireless, NLIGHT or NLTAIR2.
PWS1856LV	Not available with nLight wired, nLight wireless, NLIGHT, or NLTAIR2.
RES7, RES7PDT, RIO	See UL924 Sequence of Operation chart on page 4. Can be used as a normal power sensing device for nLight Air devices and luminaries with EM options.
RRL_	For ordering logic consult RRL_2013.

Lumen Maintenance:

EPANL	Reported Lumen Maintenance	Forecasted Lumen Maintenance
SE LEDs	L90 @ 41k Hrs / L80 @ >54k Hrs / L70 @>54k Hrs	L90 @ 41k Hrs / L80 @ 84k Hrs / L70 @ 134k Hrs

BSE Labeling Options	
BSE10	Drivers load transfer relay installed per manufacturer's instructions. Voltage, BGTD and BSE10 called out.
BSE14	One voltage fixture with driver load control relay supplied with one prewire (PWS option). Prewire wired for normal circuit, the control relay for emergency circuit left unconnected. Voltage, BGTD, BSE14 and prewire called out, in the description.

*For configurations with Reloc or two voltages an RFA modification is required.

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EPANL LED Flat Panel

ACCESSORIES

Accessories: *Order as separate catalog number.*	
DGA14	Drywall grid adapter for 1x4 recessed fixture.
DGA22	Drywall grid adapter for 2x2 recessed fixture.
DGA24	Drywall grid adapter for 2x4 recessed fixture.
PANLEM E10WCP BKT CVR	Field installable kit includes 10 watt battery, bracket and cover[1]
PANLEM BKT CVR	Field installable kit bracket and cover only, 10W battery NOT included[1]
2X2SMKSH	2'x2' Surface Mount Troffer Kit
2X4SMKSH	2'x4' Surface Mount Troffer Kit
1X4SMKSH	1'x4' Surface Mount Troffer Kit
BDP U	Field Installable Ballast Disconnect Plug
PAC 2DNF 36	Panel Air Craft Kit, 2 cables with Y splitter, No Power Feed, 36 inches. Recommended for 1X4 or 2X2 Panel Fixtures only.[2]
PAC 2DF 36	Panel Air Craft Kit, 2 cables with Y splitter, with Power Feed, 36 inches. Recommended for 1X4 or 2X2 Panel Fixtures only.[2,3]
PAC 4DNF 36	Panel Air Craft Kit, 4 cables, No Power Feed, 36 inches. Recommended for 2X4, 1X4 or 2X2 Panel Fixtures.[2]
PAC 4DF 36	Panel Air Craft Kit, 4 cables, with Power Feed, 36 inches. Recommended for 2X4, 1X4 or 2X2 Panel Fixtures.[2,3]
PAC 2DNF 72	Panel Air Craft Kit, 2 cables with Y splitter, No Power Feed 72 inches. Recommended for 1X4 or 2X2 Panel Fixtures only.[2]
PAC 2DF 72	Panel Air Craft Kit, 2 cables with Y splitter, with Power Feed, 72 inches. Recommended for 1X4 or 2X2 Panel Fixtures only.[2,3]
PAC 4DNF 72	Panel Air Craft Kit, 4 cables, No Power Feed, 72 inches. Recommended for 2X4, 1X4 or 2X2 Panel Fixtures.[2]
PAC 4DF 72	Panel Air Craft Kit, 4 cables, with Power Feed, 72 inches. Recommended for 2X4, 1X4 or 2X2 Panel Fixtures.[2,3]

Emergency Battery Estimated Lumens

Use the formula below to estimate the delivered lumens in emergency mode

Estimated Lumens = 1.25 x P x LPW

P = Output power of emergency driver (10W for PS1055CP)

LPW = Lumen per watt rating of the luminaire.

SMKSH Accessory

Notes:
1. Test switch must be remote mounted or installed in an adjacent ceiling tile.
2. See Suspension Kits section below for additional detail.
3. For MVOLT only, not available with 347V

Emergency Battery Pack Options – Field Installable

Battery Model Number	Wattage	Runtime (Minutes)	Lumen Output* @ 120 Lumens/Watt	Other
ILB CP07 2H A	7W	120	840	Storm Shelter / 2 Hour Runtime
ILB CP10 A	10W	90	1200	
ILB CP10 HE AELR A	10W	90	1200	Title 20; Enabled with Self Testing, Automated Reporting (STAR)
ILBLP CP10 HE SD A	10W	90	1200	Title 20, Self Diagnostic
ILBLP CP15 HE SD A	15W	90	1800	Title 20, Self Diagnostic
ILB CP20 HE A	20W	90	2400	Title 20
ILB CP20 HE SD A	20W	90	2400	Title 20, Self Diagnostic

All the above are UL Listed products that are certified for field install external/remote to the fixture.
*Minimum delivered lumen output to assist in product selection for increased fixture mounting height.
The CP10 delivered emergency illumination outperforms legacy 1400 lumen fluorescent emergency ballast.
Please contact us at techsupport@iotaengineering.com for any Emergency Battery related questions.

UL 924 Response – nLight AIR Devices with EM Option

The below information applies to all nLight AIR devices with an EM option.

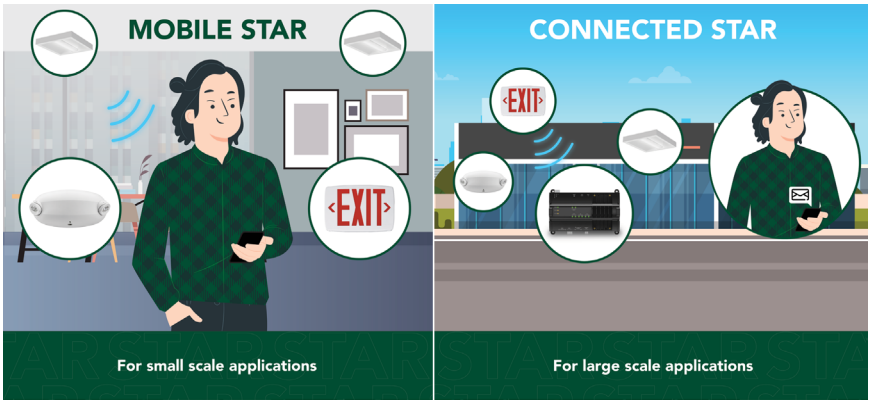
- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

Enabled with STAR

Emergency Lighting with Self-Testing Automated Reporting (STAR), enables self-testing and automated reporting to aid in life safety code compliance. Build your solution and choose your preferred deployment from Mobile STAR, where test data is logged in each individual unit and broadcast to the CLAIRity™+ app, or Connected STAR, where test data is logged in the STAR Gateway by IOTA® and emailed directly. **Leave the ladders, disruptions and written records behind with emergency lighting solutions with STAR!**

Life Safety Code NFPA 101 testing and reporting requirements for emergency lighting include:

- Testing for 30 seconds every 30 days
- Testing for 90 minutes once a year
- Record keeping and to report to the authority having local jurisdiction



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EPANL LED Flat Panel

Performance Data					
Model Number	**DLC Classification**	**Lumens**	**Watts**	**LPW**	**DLC Product ID**
EPANL 1X4 1500LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	1574	14	113	PII6VKUP
EPANL 1X4 1500LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	1637	14	117	P7MFGP4R
EPANL 1X4 3000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	2960	27	110	P5L7HREA
EPANL 1X4 3000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3078	27	114	PICJQWDG
EPANL 1X4 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Not Listed	3811	37	104	
EPANL 1X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3963	37	107	P4SKVRJP
EPANL 1X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4923	45	110	PR3K6SHH
EPANL 2X2 2000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	2071	19	110	P7I6D3WI
EPANL 2X2 2000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	2154	19	115	PPTL71HY
EPANL 2X2 3400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3428	30	113	PQAFPPJ6
EPANL 2X2 3400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	3428	30	113	
EPANL 2X2 3400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3566	30	118	PY8MM627
EPANL 2X2 3400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Standard	3566	30	118	PMKTPCS2
EPANL 2X2 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Not Listed	3963	37	108	
EPANL 2X2 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4121	37	110	PW0040LR
EPANL 2X2 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Not Listed	4729	45	106	
EPANL 2X2 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4843	45	109	PS2AC19A
EPANL 2X4 3000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3141	29	110	P4PIGUFW
EPANL 2X4 3000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3266	29	115	PSPB7FBG
EPANL 2X4 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4077	38	108	PG2MHOZE
EPANL 2X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4240	38	113	PNKUCIIA
EPANL 2X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	4240	38	113	
EPANL 2X4 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4998	45	111	P8FFEBQH
EPANL 2X4 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	4998	45	111	
EPANL 2X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	5119	45	113	PL3AU798
EPANL 2X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	5119	45	113	
EPANL 2X4 5400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	5546	49	113	PVKKX9GJ
EPANL 2X4 5400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	5679	49	116	P31GEZNP
EPANL 2X4 6000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	6364	50	127	PMHI2SAT
EPANL 2X4 6000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Standard	6364	55	115	PD2QM1LA
EPANL 2X4 6000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	6548	50	131	P4H3UGFQ

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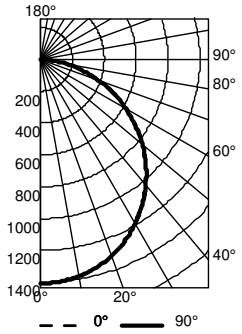
EPANL LED Flat Panel

PHOTOMETRICS

Full Photometric data is available on Lithonia.acuitybrands.com

EPANL 2x2 4000LM 80CRI 40K, 4121 delivered lumens.



CP Summary

	0°	90
0°	1405	1405
5°	1401	1400
15°	1353	1352
25°	1258	1254
35°	1114	1113
45°	940	934
55°	733	727
65°	512	506
75°	280	275
85°	75	73
90	1	1

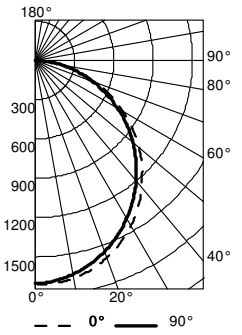
Coefficients of Utilization

pf				20%								
pc		80%			70%			50%		
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
RCR	0	119	119	119	116	116	116	111	111	111
	1	108	103	99	101	97	94	97	94	91
	2	98	90	83	88	82	76	84	79	74
	3	90	79	70	77	69	63	74	68	62
	4	82	70	61	68	60	54	66	59	53
	5	75	62	53	61	52	46	59	51	46
	6	69	56	47	55	46	40	53	45	40
	7	64	51	42	50	41	35	48	41	35
	8	60	46	38	46	37	32	44	37	31
	9	56	42	34	42	34	28	41	33	28
	10	52	39	31	39	31	26	38	31	26

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1099	26.7	26.7
0° - 40°	1802	43.7	43.7
0° - 60°	3200	77.6	77.6
0° - 90°	4120	100.0	100.0
90° - 120°	1	0.0	0.0
90° - 130°	1	0.0	0.0
90° - 150°	1	0.0	0.0
90° - 180°	1	0.0	0.0
0° - 180°	4121	100.0	100.0

EPANL 2x4 4800LM 80CRI 40K, 5119 delivered lumens.



CP Summary

	0°	90
0°	1703	1703
5°	1707	1689
15°	1653	1610
25°	1535	1477
35°	1364	1300
45°	1154	1086
55°	903	851
65°	636	593
75°	354	335
85°	103	103
90	3	13

Coefficients of Utilization

pf				20%								
pc		80%			70%			50%		
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
RCR	0	119	119	119	116	116	116	111	111	111
	1	108	103	99	101	97	93	97	94	91
	2	98	90	83	88	82	76	84	79	74
	3	90	79	70	77	69	63	74	68	62
	4	82	70	61	68	60	54	66	59	53
	5	75	62	53	61	52	46	59	51	46
	6	69	56	47	55	46	40	53	46	40
	7	64	51	42	50	41	35	48	41	35
	8	60	46	38	46	37	32	44	37	31
	9	56	42	34	42	34	28	41	33	28
	10	52	39	31	39	31	26	38	31	26

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1330	26.7	26.7
0° - 40°	2179	43.8	43.8
0° - 60°	3862	77.6	77.6
0° - 90°	4975	100.0	100.0
90° - 120°	1	0.0	0.0
90° - 130°	1	0.0	0.0
90° - 150°	1	0.0	0.0
90° - 180°	1	0.0	0.0
0° - 180°	4976	100.0	100.0

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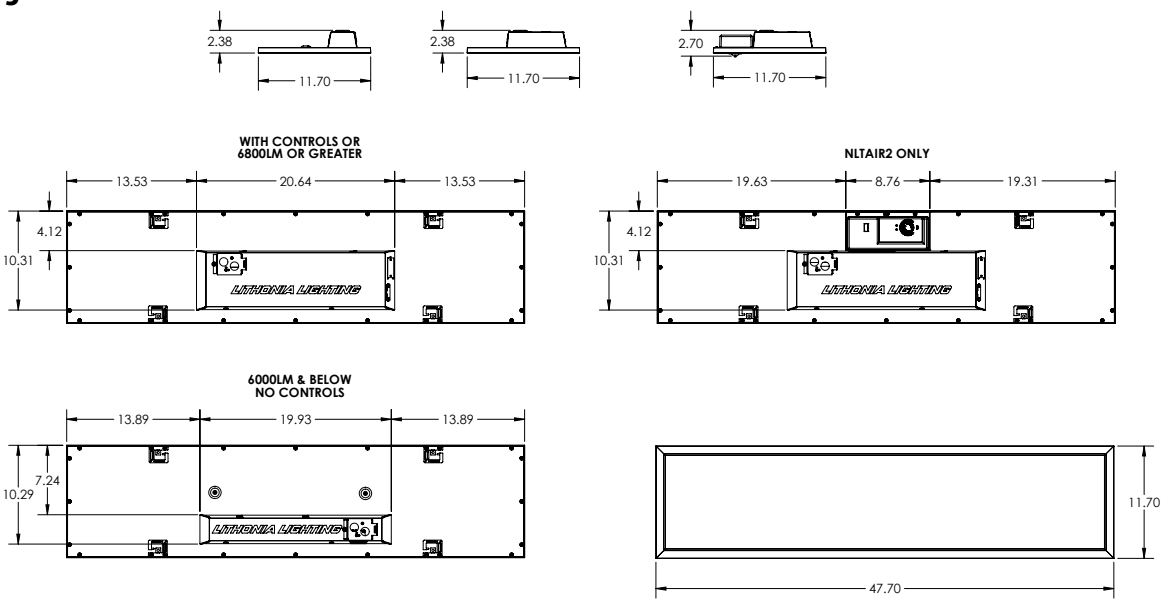
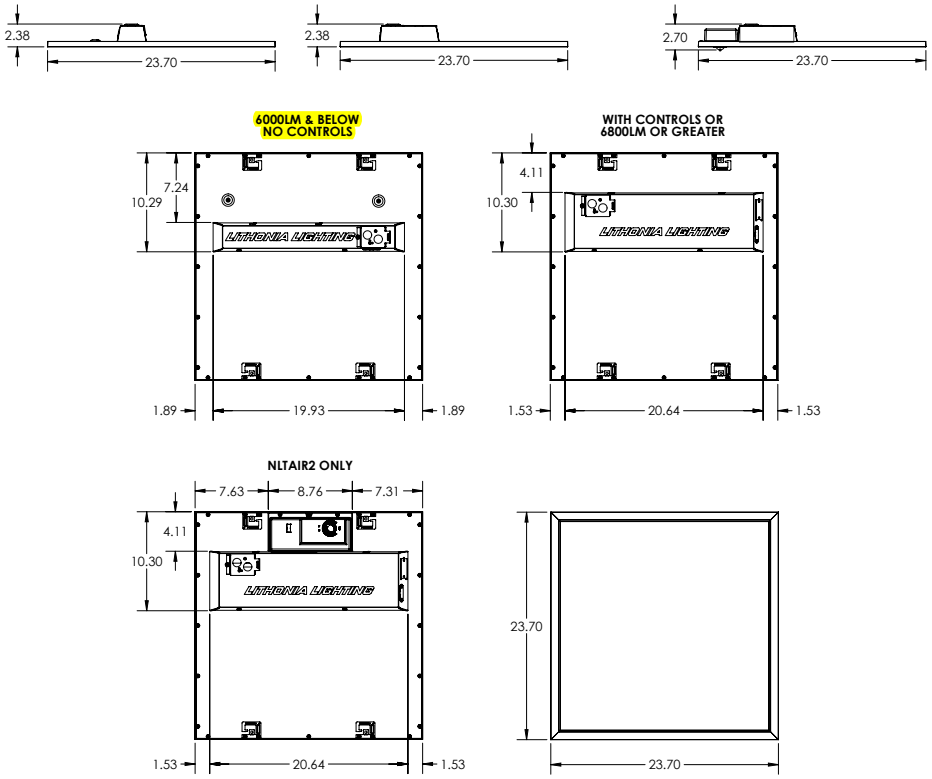
EPANL LED Flat Panel

DIMENSIONS

1X4 Configurations



2X2 Configurations



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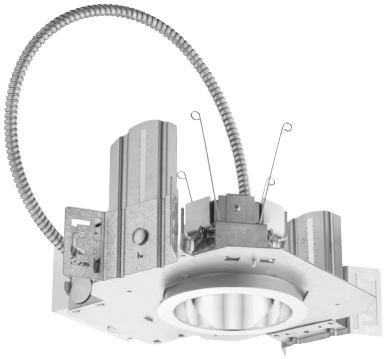
LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

LDN4

4" OPEN
Non-IC
New Construction Downlight



FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.

CONSTRUCTION — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs.

Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment.

Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.

Accommodates 12"-24" joist spacing.

Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.

Max ceiling thickness 1-1/2".

OPTICS — LEDs are binned to a 3-step SDCM; 80 CRI minimum.

LED light source concealed with diffusing optical lens.

General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.

Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.

70% lumen maintenance at 50,000 hours.

LISTINGS — Certified to US and Canadian safety standards. Damp location standard (wet location, covered ceiling optional). ENERGY STAR® certified product.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: 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.

A+ Capable options indicated by this color background.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: LDN4 35/15 LO4AR LSS MVOLT EZ1

LDN4											
Series		**Color temperature**		**Lumens**[1]		**Aperture/Trim Color**			**Finish**		**Voltage**	
LDN4	4" round	27/	2700K	05	500 lumens	LO4	Downlight	AR	Clear	LSS	Semi-specular	MVOLT	Multi-volt
		30/	3000K	10	1000 lumens	LW4	Wallwash	WR[2]	White	LD	Matte diffuse	120	120V
		35/	3500K	15	1500 lumens			BR[2]	Black	LS	Specular	277	277V
		40/	4000K	20	2000 lumens							347[3]	347V
		50/	5000K	25	2500 lumens								
				30	3000 lumens								

Driver		**Options**			
GZ10	0-10V driver dims to 10%	SF[4]	Single fuse	NPS80EZ[6]	nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1).
GZ1	0-10V driver dims to 1%	TRW[5]	White painted flange	NPS80EZER[6]	nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1). ER controls fixtures on emergency circuit.
EZ10	0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 10%	TRBL[5]	Black painted flange	N80[7]	nLight™ Lumen Comensation
		EL[4]	Emergency battery pack with integral test switch	HAO[8]	High ambient option (40°C)
		ELR[4]	Emergency battery pack with remote test switch	CP[9]	Chicago Plenum
EZ1	0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%	ELSD	Emergency battery pack with self-diagnostics, integral test switch	WL	Wet Location
		ELRSD	Emergency battery pack with self-diagnostics, remote test switch	RRL___	RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature. Available only in RRLA, RRLB, RRLAE, and RRLC12S.
		E10WCP	Emergency battery pack, 10W Constant Power, CA Title 20 compliant	USPOM	US point of manufacture
		NPP16D[6]	nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).		
		NPP16DER[6]	nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.		

Notes

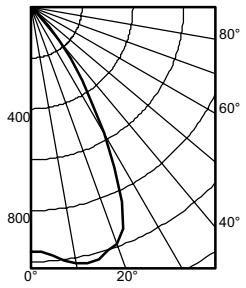
1 Overall height varies based on lumen package; refer to dimensional chart on page 3.
2 Not available with finishes.
3 Not available with emergency options.
4 Must specify voltage 120V or 277V.
5 Available with clear (AR) reflector only.
6 Specify voltage. ER for use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
7 Fixture begins at 80% light level. Must be specified with NPS80EZ or NPS80EZ ER. Only available with EZ10 and EZ1 drivers.
8 Fixture height is 5-11/16" for all lumen packages with HAO.
9 Must specify voltage for 3000lm.

LDN4

PHOTOMETRY

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30″ Above Floor for a Single Luminaire**

LDN4 35/10 LO4AR, input watts: 12.69, delivered lumens: 1025.1, LM/W = 80.78, spacing criterion at 0= 1.04, test no. ISF 30712P31.



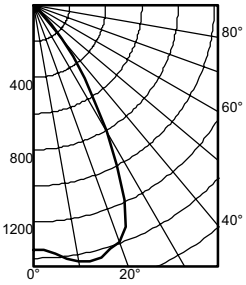
	Ave	Lumens
0	961	
5	981	95
15	1024	287
25	845	373
35	349	219
45	49	48
55	1	2
65	1	0
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	755.4	73.7
0° - 40°	974.4	95.1
0° - 60°	1024.6	100.0
0° - 90°	1025.1	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	1025.1	*100.0
*Efficiency		

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	107	105	105	103	101
2	103	99	96	102	98	95	98	95	93
3	96	92	88	95	91	87	92	89	86
4	90	85	81	89	84	80	87	83	79
5	85	79	75	84	78	74	82	77	74
6	79	73	69	79	73	69	77	72	68
7	75	69	64	74	68	64	73	68	64
8	70	64	60	70	64	60	69	63	60
9	66	60	56	66	60	56	65	60	56
10	63	57	53	62	57	53	61	56	53

Mounting Height	Inital FC Center Beam	50% beam - 55.6° Diameter	50% beam - 55.6° FC	10% beam - 78.0° Diameter	10% beam - 78.0° FC
8.0	31.8	5.8	15.9	8.9	3.2
10.0	17.1	7.9	8.5	12.2	1.7
12.0	10.6	10.0	5.3	15.4	1.1
14.0	7.3	12.1	3.6	18.6	0.7
16.0	5.3	14.2	2.6	21.9	0.5

LDN4 35/15 LO4AR, input watts: 20.44, delivered lumens: 1443.8, LM/W = 70.63, spacing criterion at 0= 1.04, test no. ISF 30712P28.



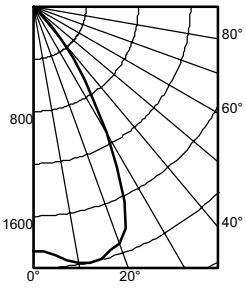
	Ave	Lumens
0	1353	
5	1382	134
15	1442	405
25	1191	525
35	491	308
45	69	68
55	1	2
65	1	1
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	1064.0	73.7
0° - 40°	1372.4	95.1
0° - 60°	1443.1	100.0
0° - 90°	1443.8	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	1443.8	*100.0
*Efficiency		

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	107	105	105	103	101
2	103	99	96	102	98	95	98	95	93
3	96	92	88	95	91	87	92	89	86
4	90	85	81	89	84	80	87	83	79
5	85	79	75	84	78	74	82	77	74
6	79	73	69	79	73	69	77	72	68
7	75	69	64	74	68	64	73	68	64
8	70	64	60	70	64	60	69	63	60
9	66	60	56	66	60	56	65	60	56
10	63	57	53	62	57	53	61	56	53

Mounting Height	Inital FC Center Beam	50% beam - 55.6° Diameter	50% beam - 55.6° FC	10% beam - 78.0° Diameter	10% beam - 78.0° FC
8.0	44.7	5.8	22.4	8.9	4.5
10.0	24.1	7.9	12.0	12.2	2.4
12.0	15.0	10.0	7.5	15.4	1.5
14.0	10.2	12.1	5.1	18.6	1.0
16.0	7.4	14.2	3.7	21.9	0.7

LDN4 35/20 LO4AR, input watts: 22.52, delivered lumens: 1993.5, LM/W = 88.52, spacing criterion at 0= 1.04, test no. ISF 30712P25.



	Ave	Lumens
0	1868	
5	1908	185
15	1992	559
25	1644	725
35	678	426
45	95	94
55	2	3
65	1	1
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	1469.1	73.7
0° - 40°	1894.9	95.1
0° - 60°	1992.5	100.0
0° - 90°	1993.5	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	1993.5	*100.0
*Efficiency		

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	107	105	105	103	101
2	103	99	96	102	98	95	98	95	93
3	96	92	88	95	91	87	92	89	86
4	90	85	81	89	84	80	87	83	79
5	85	79	75	84	78	74	82	77	74
6	79	73	69	79	73	69	77	72	68
7	75	69	64	74	68	64	73	68	64
8	70	64	60	70	64	60	69	63	60
9	66	60	56	66	60	56	65	60	56
10	63	57	53	62	57	53	61	56	53

Mounting Height	Inital FC Center Beam	50% beam - 55.6° Diameter	50% beam - 55.6° FC	10% beam - 78.0° Diameter	10% beam - 78.0° FC
8.0	61.8	5.8	30.9	8.9	6.2
10.0	33.2	7.9	16.6	12.2	3.3
12.0	20.7	10.0	10.4	15.4	2.1
14.0	14.1	12.1	7.1	18.6	1.4
16.0	10.3	14.2	5.1	21.9	1.0

Accessories: *Order as separate catalog numbers (shipped separately).*

SCA4	Sloped ceiling adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Refer to TECH-190.

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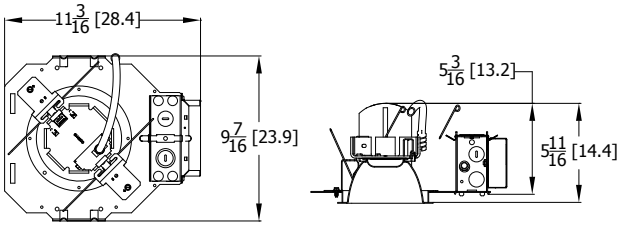
LDN4

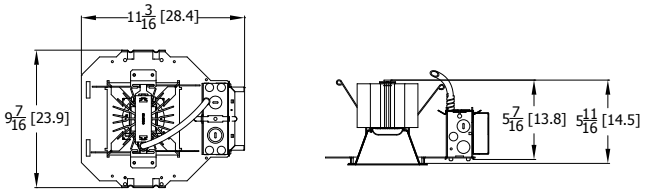
* All dimensions are inches (centimeters) unless otherwise noted.

LDN4 1500 LUMEN



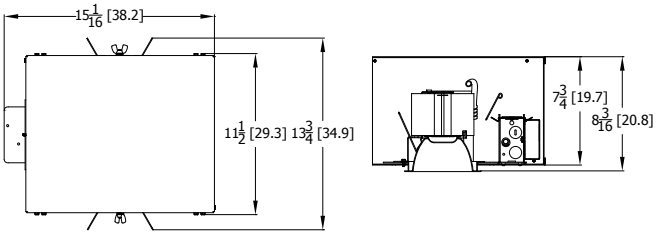
Aperture: 4-5/16 (11)
Ceiling Opening: 5-1/8 (13)
Overlap trim: 5-7/16 (13.8)

LDN4 3000 LUMEN



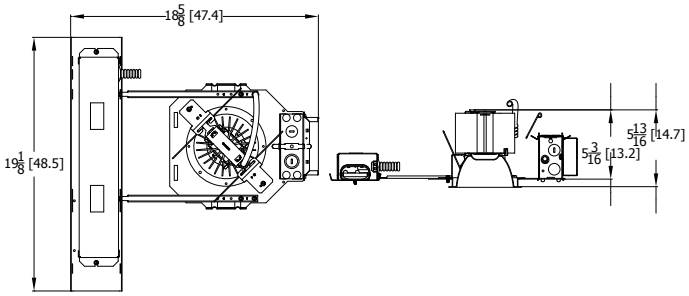
Aperture: 4-5/16 (11) Square
Ceiling Opening: 5-1/8 (13) Square
Overlap trim: 5-7/16 (13.8) Square

LDN4 CP



Aperture: 4-5/16 (11)
Ceiling Opening: 5-1/8 (13)
Overlap trim: 5-7/16 (13.8)

LDN4 EL-ELR



Aperture: 4-5/16 (11)
Ceiling Opening: 5-1/8 (13)
Overlap trim: 5-7/16 (13.8)

LDN4			
Target Lumen	**Lumens @ 3500K**	**Wattage**	**LPW**
500	688.8	8.5	80.8
1000	1025.1	12.7	80.7
1500	1443.8	20.4	70.8
2000	1993.5	22.5	88.6
2500	2659.0	30.1	88.3
3000	2860.1	34.8	82.2

LUMEN OUTPUT MULTIPLIERS - CCT					
	2700K	**3000K**	**3500K**	**4000K**	**5000K**
80CRI	0.950	0.966	1.000	1.025	1.101

EL/ELR AVAILABILITY/COMPATIBILITY - INITIAL LUMENS			
Lumen package	**Watts**	**Initial lumens EL/ELR**	**Emergency LED driver**
500	12	500	PS1050
1000	18	575	PS1050
1500	26	640	PS1050
2000	35	690	PS1050

LUMEN OUTPUT MULTIPLIERS - FINISH			
	Clear (AR)	**White (WR)**	**Black (BR)**
Specular (LS)	1.0	N/A	N/A
Semi-specular (LSS)	0.950	N/A	N/A
Matte diffuse (LD)	0.85	N/A	N/A
Painted	N/A	0.87	0.73

Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.

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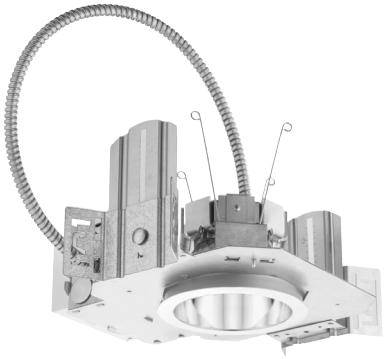
LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

LDN4

4" OPEN
Non-IC
New Construction Downlight



FEATURES & SPECIFICATIONS

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Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment.

Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.

Accommodates 12"-24" joist spacing.

Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.

Max ceiling thickness 1-1/2".

OPTICS — LEDs are binned to a 3-step SDCM; 80 CRI minimum.

LED light source concealed with diffusing optical lens.

General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.

Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

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70% lumen maintenance at 50,000 hours.

LISTINGS — Certified to US and Canadian safety standards. Damp location standard (wet location, covered ceiling optional). ENERGY STAR® certified product.

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Example: LDN4 35/15 LO4AR LSS MVOLT EZ1

LDN4											
Series		**Color temperature**		**Lumens**[1]		**Aperture/Trim Color**			**Finish**		**Voltage**	
LDN4	4" round	27/	2700K	05	500 lumens	LO4	Downlight	AR	Clear	LSS	Semi-specular	MVOLT	Multi-volt
		30/	3000K	10	1000 lumens	LW4	Wallwash	WR[2]	White	LD	Matte diffuse	120	120V
		35/	3500K	15	1500 lumens			BR[2]	Black	LS	Specular	277	277V
		40/	4000K	20	2000 lumens							347[3]	347V
		50/	5000K	25	2500 lumens								
				30	3000 lumens								

Driver		**Options**			
GZ10	0-10V driver dims to 10%	SF[4]	Single fuse	NPS80EZ[6]	nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1).
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EZ1	0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%	ELR[4]	Emergency battery pack with remote test switch	CP[9]	Chicago Plenum
		ELSD	Emergency battery pack with self-diagnostics, integral test switch	WL	Wet Location
		ELRSD	Emergency battery pack with self-diagnostics, remote test switch	RRL___	RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature. Available only in RRLA, RRLB, RRLAE, and RRLC12S.
		E10WCP	Emergency battery pack, 10W Constant Power, CA Title 20 compliant	USPOM	US point of manufacture
		NPP16D[6]	nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).		
		NPP16DER[6]	nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.		

Notes

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LDN4

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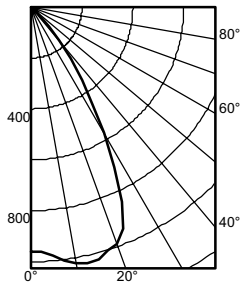

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55	1	2
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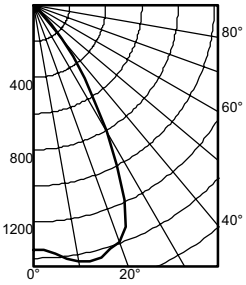
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	755.4	73.7
0° - 40°	974.4	95.1
0° - 60°	1024.6	100.0
0° - 90°	1025.1	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	1025.1	*100.0
*Efficiency		

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	107	105	105	103	101
2	103	99	96	102	98	95	98	95	93
3	96	92	88	95	91	87	92	89	86
4	90	85	81	89	84	80	87	83	79
5	85	79	75	84	78	74	82	77	74
6	79	73	69	79	73	69	77	72	68
7	75	69	64	74	68	64	73	68	64
8	70	64	60	70	64	60	69	63	60
9	66	60	56	66	60	56	65	60	56
10	63	57	53	62	57	53	61	56	53

Mounting Height	Inital FC Center Beam	50% beam - 55.6° Diameter	50% beam - 55.6° FC	10% beam - 78.0° Diameter	10% beam - 78.0° FC
8.0	31.8	5.8	15.9	8.9	3.2
10.0	17.1	7.9	8.5	12.2	1.7
12.0	10.6	10.0	5.3	15.4	1.1
14.0	7.3	12.1	3.6	18.6	0.7
16.0	5.3	14.2	2.6	21.9	0.5

LDN4 35/15 LO4AR, input watts: 20.44, delivered lumens: 1443.8, LM/W = 70.63, spacing criterion at 0= 1.04, test no. ISF 30712P28.



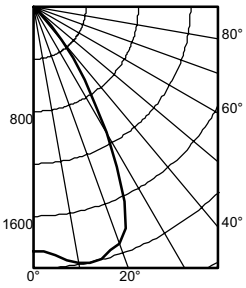
	Ave	Lumens
0	1353	
5	1382	134
15	1442	405
25	1191	525
35	491	308
45	69	68
55	1	2
65	1	1
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	1064.0	73.7
0° - 40°	1372.4	95.1
0° - 60°	1443.1	100.0
0° - 90°	1443.8	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	1443.8	*100.0
*Efficiency		

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	107	105	105	103	101
2	103	99	96	102	98	95	98	95	93
3	96	92	88	95	91	87	92	89	86
4	90	85	81	89	84	80	87	83	79
5	85	79	75	84	78	74	82	77	74
6	79	73	69	79	73	69	77	72	68
7	75	69	64	74	68	64	73	68	64
8	70	64	60	70	64	60	69	63	60
9	66	60	56	66	60	56	65	60	56
10	63	57	53	62	57	53	61	56	53

Mounting Height	Inital FC Center Beam	50% beam - 55.6° Diameter	50% beam - 55.6° FC	10% beam - 78.0° Diameter	10% beam - 78.0° FC
8.0	44.7	5.8	22.4	8.9	4.5
10.0	24.1	7.9	12.0	12.2	2.4
12.0	15.0	10.0	7.5	15.4	1.5
14.0	10.2	12.1	5.1	18.6	1.0
16.0	7.4	14.2	3.7	21.9	0.7

LDN4 35/20 LO4AR, input watts: 22.52, delivered lumens: 1993.5, LM/W = 88.52, spacing criterion at 0= 1.04, test no. ISF 30712P25.



	Ave	Lumens
0	1868	
5	1908	185
15	1992	559
25	1644	725
35	678	426
45	95	94
55	2	3
65	1	1
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	1469.1	73.7
0° - 40°	1894.9	95.1
0° - 60°	1992.5	100.0
0° - 90°	1993.5	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	1993.5	*100.0
*Efficiency		

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	107	105	105	103	101
2	103	99	96	102	98	95	98	95	93
3	96	92	88	95	91	87	92	89	86
4	90	85	81	89	84	80	87	83	79
5	85	79	75	84	78	74	82	77	74
6	79	73	69	79	73	69	77	72	68
7	75	69	64	74	68	64	73	68	64
8	70	64	60	70	64	60	69	63	60
9	66	60	56	66	60	56	65	60	56
10	63	57	53	62	57	53	61	56	53

Mounting Height	Inital FC Center Beam	50% beam - 55.6° Diameter	50% beam - 55.6° FC	10% beam - 78.0° Diameter	10% beam - 78.0° FC
8.0	61.8	5.8	30.9	8.9	6.2
10.0	33.2	7.9	16.6	12.2	3.3
12.0	20.7	10.0	10.4	15.4	2.1
14.0	14.1	12.1	7.1	18.6	1.4
16.0	10.3	14.2	5.1	21.9	1.0

Accessories: *Order as separate catalog numbers (shipped separately).*

SCA4	Sloped ceiling adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Refer to TECH-190.

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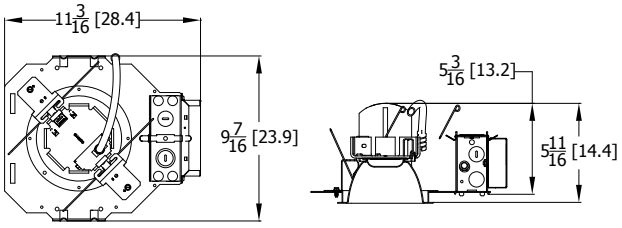
LDN4

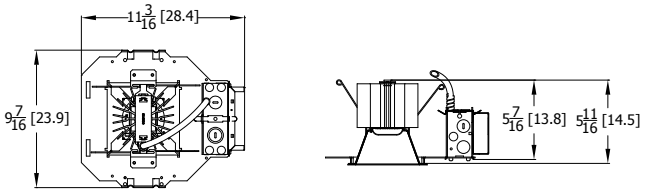
* All dimensions are inches (centimeters) unless otherwise noted.

LDN4 1500 LUMEN



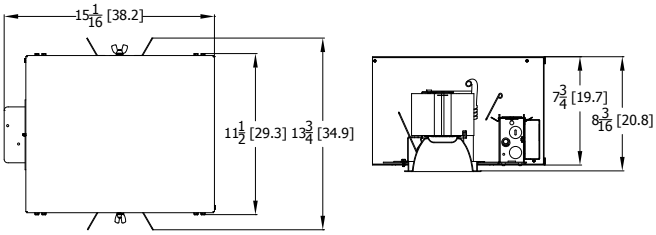
Aperture: 4-5/16 (11)
Ceiling Opening: 5-1/8 (13)
Overlap trim: 5-7/16 (13.8)

LDN4 3000 LUMEN



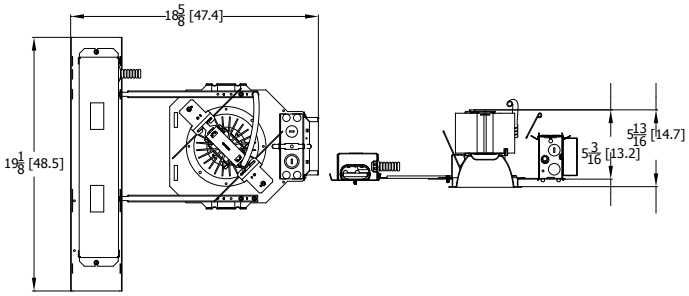
Aperture: 4-5/16 (11) Square
Ceiling Opening: 5-1/8 (13) Square
Overlap trim: 5-7/16 (13.8) Square

LDN4 CP



Aperture: 4-5/16 (11)
Ceiling Opening: 5-1/8 (13)
Overlap trim: 5-7/16 (13.8)

LDN4 EL-ELR



Aperture: 4-5/16 (11)
Ceiling Opening: 5-1/8 (13)
Overlap trim: 5-7/16 (13.8)

LDN4			
Target Lumen	**Lumens @ 3500K**	**Wattage**	**LPW**
500	688.8	8.5	80.8
1000	1025.1	12.7	80.7
1500	1443.8	20.4	70.8
2000	1993.5	22.5	88.6
2500	2659.0	30.1	88.3
3000	2860.1	34.8	82.2

LUMEN OUTPUT MULTIPLIERS - CCT					
	2700K	**3000K**	**3500K**	**4000K**	**5000K**
80CRI	0.950	0.966	1.000	1.025	1.101

EL/ELR AVAILABILITY/COMPATIBILITY - INITIAL LUMENS			
Lumen package	**Watts**	**Initial lumens EL/ELR**	**Emergency LED driver**
500	12	500	PS1050
1000	18	575	PS1050
1500	26	640	PS1050
2000	35	690	PS1050

LUMEN OUTPUT MULTIPLIERS - FINISH			
	Clear (AR)	**White (WR)**	**Black (BR)**
Specular (LS)	1.0	N/A	N/A
Semi-specular (LSS)	0.950	N/A	N/A
Matte diffuse (LD)	0.85	N/A	N/A
Painted	N/A	0.87	0.73

Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.

DOWNLIGHTING: One Lithonia Way Conyers, GA 30012 Phone: 800-315-4935 Fax: 770-860-3129 www.lithonia.com

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LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — The CLX is a linear lighting solution that is available in multiple lengths, lumen packages and distributions. Designed for versatility, the CLX can address virtually any indoor lighting need. The CLX is also offered in standard and high efficacy configurations and capable of being continuous row mounted or installed as a stand-alone fixture. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.

CONSTRUCTION — Channel and cover are formed from code-gauge cold-rolled steel. Housing and lens endcaps are injection molded plastic to provide a more architectural look and feel. The endcaps come standard with a 7/8" knock out for continuous mounting but can be ordered without.

Finish: Paint options include high-gloss, baked white polyester (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). Five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Offered with acrylic lens and less lens configurations. Provides a choice of optical distributions including, wide, narrow, and aisle.

Models with wide diffuse lens provide up to 12% uplight. Please check the IES file for specific uplight value.

ELECTRICAL — Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR_ ordering information on page 9.) Electronic LED driver is multi-volt input and 0-10V dimming standard (see Operational Data on page 6 for actual wattage consumption). This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided. Color Variation within 3-step MacAdam ellipse (3SDCM).

L70>100,000 hours at 25˚C.

LEDs provide nominal 80 CRI or 90 CRI at 3000 K, 3500 K,4000 K, or 5000 K.

Lumen output up to 2,500 lumens per foot.

INSTALLATION — Fixture may be ceiling or wall mounted (with or without THCLX hanger or angle mounted with CLXANGBKT), pendant or stem mounted with appropriate mounting options.

WARNING — Removing the lens and opening the fixture during installation exposes the LEDs, putting them at risk for damage.

If you plan to surface mount the fixture, we recommend using the THCLX. This eliminates the need to open the fixture.

If you plan to continuous row mount, we recommend using the PLR wiring harness option. This eliminates the need to open the fixture.

Damage to the LEDs caused during installation will not be covered under the warranty.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -4°F (-20°C) and 104°F (40°C). Optional High Ambient (HA) ranging to 122°F(50°C) available on certain lumen packages (See ambient temperature chart for additional information).
DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

GOVERNMENT PROCUREMENT — BAA – Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: 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.

Stock configurations are offered for shorter lead times:

Stock Part Number	UPC
CLX L48 3000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525816
CLX L48 3000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525885
CLX L48 5000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525939
CLX L48 5000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525908
CLX L96 6000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525861
CLX L96 6000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525915
CLX L96 10000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525922
CLX L96 10000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525830
CLX L48 3000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525960
CLX L48 3000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525892
CLX L48 5000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525854
CLX L48 5000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525946
CLX L96 6000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525878
CLX L96 6000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525823
CLX L96 10000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525953
CLX L96 10000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525847

LED Linear

CLX

24", 36", 48" and 96" Lengths

Flat Diffuse Lens

Round Diffuse Lens

Wide Diffuse Lens

CLX with Reflector

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning when used with Acuity Brands controls products.
All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity, and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about Acuity A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

CLX LED Linear

Design Select options indicated by this color background.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: CLX L48 5000LM SEF WDL MVOLT GZ10 40K 80CRI WH

Series	Length	Nominal lumens	Performance package	Louver	Lens
CLX LED linear	L24 24"	1500LM 1,500 lumens 2000LM 2,000 lumens 2500LM 2,500 lumens 3500LM 3,500 lumens 4500LM 4,500 lumens 5000LM 5,000 lumens	SEF Standard efficiency ‡ HEF Premium efficiency ‡	(Blank) Less louver SBLW Straight blade louver, white ‡ SBLMB Straight blade louver, matte black ‡ SBLGV Straight blade louver, galvanized ‡ SBLSKGY Straight blade louver, smoke gray ‡	L/Lens Less lens FDL Flat diffuse ‡ RDL Round diffuse ‡ WDL Wide diffuse ‡
	L36 36"	2250LM 2,250 lumens 3000LM 3,000 lumens 3750LM 3,750 lumens 5250LM 5,250 lumens 6750LM 6,750 lumens 7500LM 7,500 lumens			
	L48 48"	3000LM 3,000 lumens 4000LM 4,000 lumens 5000LM 5,000 lumens 7000LM 7,000 lumens 9000LM 9,000 lumens 10000LM 10,000 lumens			
	L96 96"	6000LM 6,000 lumens 8000LM 8,000 lumens 10000LM 10,000 lumens 14000LM 14,000 lumens 18000LM 18,000 lumens 20000LM 20,000 lumens			

Distribution	Voltage		Driver ‡	Glare Reflector	Color temperature	Coloring rendering index
(Blank) General	MVOLT 120-277V ‡	277 277V	GZ1 Generic 0-10V, dims to 1% ‡	(blank) No reflectors	30K 3000 K	80CRI 80 CRI
ND Narrow ‡	120 120V	347 347V ‡	GZ10 Generic 0-10V, dims to 10% ‡	LUGR Reflectors for additional glare reduction ‡	35K 3500 K	90CRI 90 CRI
WD Wide ‡	208 208V ‡	480 480V ‡	EZ1 eldoLED 0-10V, dims to 1% ‡		40K 4000 K	
AD2 Aisle, 24° off center ‡	240 240V ‡				50K 5000 K	

Options

E10W	10W Emergency battery pack, constant power, Certified in CA Title 20 MAEDBS, User selectable Self-Diagnostic, AC Activate with Integral Test Switch [LINK] ‡
E10WSTAR	Emergency battery pack, Enabled with STAR ‡
BGTD	Generator transfer device, not available with E10W ‡
OCS	5', 18/3 Reloc selectable One Pass cable (fixture will bear dry location label) ‡
HA	High ambient, for use in ambient temperatures up to 50°C ‡
EPNKO	Decorative endplate, no knock out ‡
OUTCTR	Wiring leads pulled through back center of fixture ‡
OUTEND	Wiring leads pulled through end of fixture ‡
Cord Sets: ‡	
CS1W	6' Staight blade plug, 120V ‡
CS3W	NEMA twist-lock plug, 120V ‡
CS7W	Staight blade plug, 277V ‡
CS11W	NEMA twist-lock plug, 277V ‡
CS25W	NEMA twist-lock plug, 347V ‡
CS97W	NEMA twist-lock plug, 480V ‡
CS93W	600V SEOOW white cord, no plug (no voltage required) ‡
CS6WG16ST0WD5D	6' white cord, 16/5, no plug, includes low voltage dimming wires (no voltage required) ‡
PLR___	Plug-in wiring, see page 9 for ordering information
PLR1G	Plug-in wiring, single circuit, Ground
PLR1LVG	Plug-in wiring, single circuit, low-voltage dimming, Ground ‡
RRL___	RELOC®-ready luminaire. See page 10 for ordering information
SPD	Surge protection device, provides up to 6kV protection ‡
BAA	Buy America(n) Act and/or Build America Buy America Qualified
nLight® Wireless:	
NLTAIR2 RES7	nLight AIR Generation 2 enabled PIR integral occupancy sensor with automatic dimming photocell ‡
NLTAIR2 RES7EM	nLight AIR Generation 2 enabled PIR integral occupancy sensor with automatic dimming photocell and UL924 Emergency operation, via power interrupt detection ‡
NLTAIR2 RES7PDT	nLight AIR Generation 2 enabled dual technology integral occupancy sensor with automatic dimming photocell ‡
NLTAIR2 RES7PDTEM	nLight AIR Generation 2 enabled dual technology integral occupancy sensor with automatic dimming photocell and UL924 Emergency operation, via power interrupt detection ‡
NLTAIR2 RIO	No sensor control ‡
NLTAIR2 RIOEM	No sensor, Control Input function only and UL924 Emergency operation, via power interrupt detection ‡
nLight® Wired:	
N100	nLight® without lumen management
N100EMG	nLight® without lumen management For use with generator supply EM power ‡
NES7	nLight® nES 7 PIR integral occupancy sensor ‡
NESPDT7	nLight® nES PDT 7 dual technology integral occupancy control ‡
NES7ADCX	nLight® nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell ‡
NESPDT7ADCX	nLight® nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell ‡
Individual controls: ‡	
MSD7	PIR integral occupancy sensor
MSDPDT7	PDT 7 dual technology integral occupancy control
MSD7ADC	PIR integral occupancy sensor with automatic dimming control photocell
MSDPDT7ADC	PDT integral occupancy sensor with automatic dimming control photocell

Finish

WH	White
GALVW	Galvanized with white lens end caps
GALVB	Galvanized with black lens end caps
MB	Matte black
SKGYW	Smoke gray with white lens end caps
SKGYB	Smoke gray with black lens end caps

See Accessories and footnotes on next page

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CLX LED Linear

Accessories: *Order as separate catalog number.*

Mounting:

ZACVH M100	Adjustable 10' aircraft cable with Y hanger (1 pair)
ZAC120	One adjustable aircraft cable with canopy 120", white
ZACFP120	One adjustable aircraft cable with feed (3 conductor) and canopy, 120", white
ZACFPD120	One adjustable aircraft cable with feed (5 conductor) and canopy 120", white
ZAC240	One adjustable aircraft cable with canopy 240", white
ZACFP240	One adjustable aircraft cable with feed (3 conductor) and canopy, 240", white
ZACFPD240	One adjustable aircraft cable with feed (5 conductor) and canopy 240", white

SQ_	Swivel stem hanger (specify length in 2" increments up to 48") Ships White
THCLX ___	Tong hanger (Must specify color) (one pair) ‡
CLXANGBKT ____	Angle bracket, (Must specify color) (one pair) ‡
HC36 M12	Hanger chain, 36" (1 pair)

Wireguards:

WGCLX24 ___	24" wireguard qty 1, (Must specify color) ‡
WGCLX36 ___	36" wireguard qty 1, (Must specify color) ‡
WGCLX48 ___	48" wireguard qty 1, (Must specify color) ‡
WGCLX48 ___ J2	48" wireguard qty 2, (Must specify color) ‡
WGCLX48 ___ J25	48" wireguard qty 25, (Must specify color) ‡
WGCLX48 ___ J50	48" wireguard qty 50, (Must specify color) ‡

‡ Option Value Ordering Restrictions

Option value	Restriction
347V, 480V	Voltage selected utilizes a step-down transformer. Not available with L24 when ordered with N100. Not available with E10W or BGTD options.
BGTD	Not available with MVOLT, 208V or 240V. Not available with HA. Available with L48 or L96 only. Not available with E10W option. Not available with 208 or 240V. Not available Individual controls, NLight Wired, or NLight Wireless options.
CS1W, CS3W, CS7W, CS11W, CS25W, CS963W, CS97W	Not available with BGTD option. Must specify voltage. Not available with PLR options.
CS6WG16ST0WD5D	Not available with Individual controls, nLight wired networking, nLight wireless networking, nLight wireless zone control options. Not available with PLR options.
Driver	When continuous row mounting, fixtures must all have the same driver selection.
E10W	Not available with HA. Not available with 347V or 480V. Not available with BGTD option. Requires SPD option. Not available with L24 or L36. Not available with L48 in combination with N100.
E10WSTAR	Not available with HA. Not available with 347V or 480V. Not available with BGTD option. Requires SPD option. Not available with L24 or L36. Not available with L48 in combination with N100.
EPNKO	Not available OUTEND.
EZ1	Not available with HA option. Not available with 5000LM, 7500LM.
FDL, RDL, WDL	Only available with general distribution. Not available with CLXRN accessories.
GZ1, GZ10	Not available with Individual controls, nLight wired networking, nLight wireless networking, nLight wireless zone control options.
HA	Not available with L24, L26. Not available with BGTD option. Not available with EZ1. Only available with L48 3000/4000/5000LM and L96 6000/8000/10000LM.
HEF	Not available with L48 3000LM and L96 6000LM
LUGR	Not available with L36 length. Only available with WH finish. Not compatible with THCLX Hanger or wireguard accessories. LUGR option required for some DLC premium qualifications - Please check the DLC Qualified Products List to determine if LUGR option is necessary to meet requirement. If mounting in continuous rows, ensure all models ordered with LUGR option if required on any configuration to ensure rows match in form factor. LUGR reflectors ship in standard fixture carton and are not sold as separate accessory - this option MUST be specified as part of the CLX model number.
MSD7, MSDPDT7, MSD7ADC, MSDPDT7ADC	Not available with any other control option. Requires EZ1. Sensor housing will be the same color as lens end caps.
N100, N100EMG	nLight EMG option requires a connection to existing nLight network. Power is provided from separate N100 enabled fixture.
ND, WD, AD2	Not available with CLXRN accessories. Available L/LENS only.
NES7, NESPDT7, NES7ADCX, NESPDT7ADCX	Not available with any other control option. Requires EZ1. Requires N100 or N100EMG option, N100EMG with NES7 requires RFA. Sensor housing will be the same color as lens end caps.
NLTAIR2 RES7(EM), NLTAIR2 RES7PDT(EM), NLTAIR2 RIO(EM)	Sensor housing will be the same color as lens end caps. For EM, see UL924 Sequence of Operation chart below.
OCS	Must specify voltage.
OUTCR	Not available with L24. Not available with PLR options.
OUTEND	Not available with PLR options.
PLR1LVG	Not available with Individual controls, NLight Wired, or NLight Wireless options. Refer to page 9 for more PLR details. Not available with cord set options.
SBLW, SBLMB, SBLGV, SBLSKGY	When ordered with L24 only available with 1500LM or 2000LM in combination with GZ10 driver. Not for use with THCLX, CLXANGBKT or WGCLX accessories. Not available with RDL lens options.
SEF	Not available with EZ1 when ordered with L24 with 5000LM or L36 with 7500LM.
SPD	Required with E10W, BGTD.
THCLX ___, CLXANGBKT ____	Not available with louver or wireguards. THCLX___ not available with LUGR.
Wireguards	Not for use with LUGR option. For L96 fixtures, use qty 2 48" wireguards.

UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

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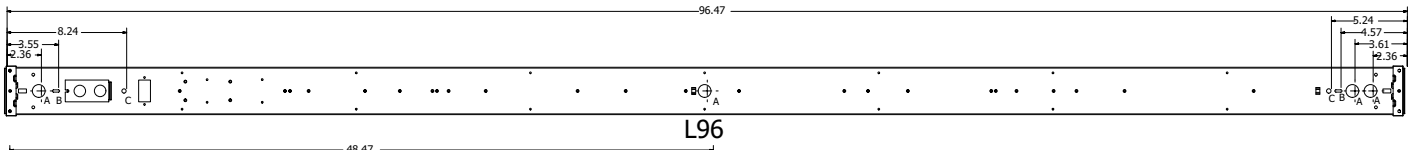
DIMENSIONS

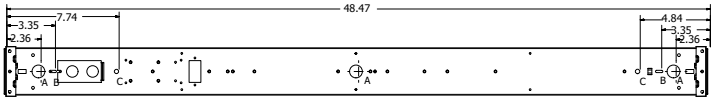
All dimensions are in inches (centimeters) unless otherwise indicated.
Dimensions may vary with options or accessories.

INTEGRATED SENSOR ADDS 2.0 INCHES TO STANDALONE FIXTURE LENGTH
HOUSING END CAP ADDS 0.236 INCHES TO FIXTURE LENGTH PER SIDE. DIMENSIONS BELOW INCLUDE ENDCAPS.

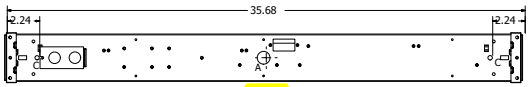
A - 7/8" KNOCK OUT
B - 0.5" by 0.16" SLOT
C - 0.3" DIA HOLE



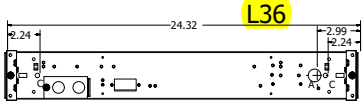
L96



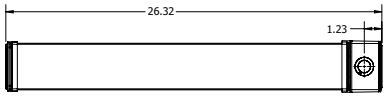
L48



L36



L24

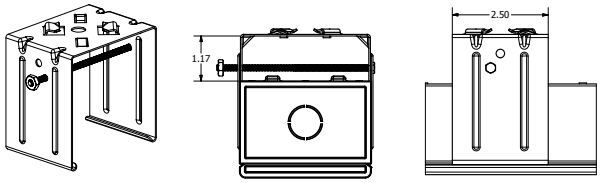


L24 WITH SENSOR

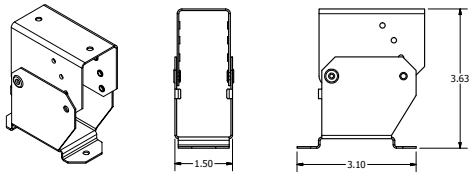
PALLET DIMENSIONS

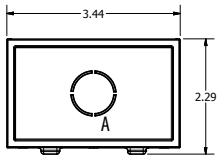
Length	Approx Weight	Fixtures per pallet	Pallet Dims (L X W X H)
L24	4 lb	100	54x46x37
L36	5 lb	80	54x46x37
L48	7.5 lb	64	54x46x37
L96	14 lb	64	98x46x37

THCLX - SHIPS TWO PER ORDER,
UTILIZES A #8 HEX HEAD SCREW AND NUT
FIXTURE SITS 1.3 INCHES FROM STRUCTURE WHEN MOUNTED

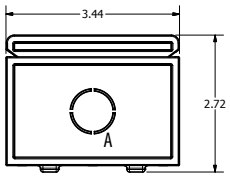


CLXANGBKT - SHIPS TWO PER ORDER
HOLES TO MOUNTING STRUCTURE ARE 0.175" DIA, 2.5" APART
FIXTURE SITS APPROXIMATELY 3.5" FROM STRUCTURE
WHEN MOUNTED HORIZONTAL TO STRUCTURE

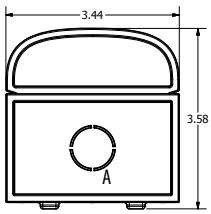




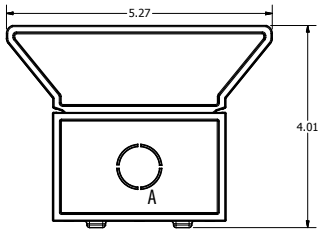
L/LENS



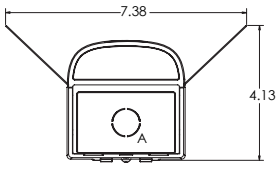
FDL



RDL



WDL



LUGR Reflector Option
- applies to all lens types

PHOTOMETRICS

See www.lithonia.com.

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CLX CHARACTERISTICS

Nominal Lumen Package	Length	Wattage								Length	Width	Depth	Comparable Light Source
		Standard Efficiency				High Efficiency							
		120V	277V	347V	480V	120V	277V	347V	480V	Dimensions are shown in inches			
2500LM	24"	18.4	18.4	24.0	24.0	17.4	17.4	23.1	23.1	24	3.5	3.75	1-lamp 32W T8, 1-lamp 54W T5HO, 50W HID
5000LM	24"	41.5	41.5	47.4	47.4	38.1	38.1	44.1	44.1	24	3.5	3.75	2-lamp 32W T8, 1-lamp 54W T5HO, 70W HID
3750LM	36"	26.5	26.5	32.1	32.1	25.1	25.1	30.7	30.7	36	3.5	3.75	1-lamp 32W T8, 1-lamp 54W T5HO, 50W HID
7500LM	36"	62.6	62.6	68.6	68.6	54.0	54.0	59.7	59.7	36	3.5	3.75	2-lamp 32W T8, 1-lamp 54W T5HO, 70W HID
5000LM	48"	31.8	31.8	37.2	37.2	30.3	30.3	35.8	35.8	48	3.5	3.75	2-lamp 32W T8, 1-lamp 54W T5HO, 70W HID
10000LM	48"	70.7	70.7	76.2	76.2	65.3	65.3	70.8	70.8	48	3.5	3.75	3-lamp 32W T8, 2-lamp 54W T5HO, 100W HID
10000LM	96"	63.7	63.7	69.0	69.0	60.6	60.6	66.1	66.1	96	3.5	3.75	3-lamp 32W T8, 2-lamp 54W T5HO, 100W HID
20000LM	96"	141.3	141.3	146.8	146.8	130.5	130.5	136.1	136.1	96	3.5	3.75	6-lamp 32W T8, 4-lamp 54W T5HO, 200W HID

Note: For wattage by configuration, please reference the CLX Operational Data Document.

Lumen Package	UGR Values of CLX L24 @ 80CRI and 3500K UGR (70% 50% 20% reflectance using a 4H x 8H room size)													
	FDL		RDL		WDL		FDL LUGR		RDL LUGR		WDL LUGR		L/LENS	
	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise
1500LM SEF	21.2	23.8	19.4	25.2	17.4	21.1	16.8	14	17.8	16.6	18.1	17.9	24.9	25.1
2000LM SEF	22.3	24.9	20.5	26.3	18.6	22.3	17.9	15.1	18.8	17.6	19.2	18.9	26.1	26.2
2500LM SEF	23.1	25.7	21.3	27.1	19.4	23.1	18.6	15.8	19.6	18.4	19.9	19.7	26.9	27
3500LM SEF	24.1	26.7	22.3	28.1	20.4	24.1	19.7	16.9	20.7	19.5	21	20.8	27.9	28.1
4500LM SEF	25.4	28	23.6	29.4	21.7	25.4	20.7	17.9	21.7	20.5	22	21.8	29.2	29.3
5000LM SEF	25.6	28.2	23.3	29.1	21.4	25.1	21	18.3	21.5	20.3	21.8	21.5	29.4	29.5
1500LM HEF	21.1	23.7	19.3	25.1	21.8	25.5	16.5	13.7	17.6	16.3	17.8	17.6	24.9	25
2000LM HEF	22.2	24.8	20.4	26.2	17.4	21.1	17.6	14.8	18.6	17.4	18.8	18.6	26	26.2
2500LM HEF	23	25.7	21.3	27	18.5	22.2	18.4	15.6	19.4	18.2	19.7	19.4	26.8	27
3500LM HEF	24.1	26.7	22.3	28.1	19.3	23	19.8	17	20.9	19.7	21.1	20.9	27.9	28
4500LM HEF	25.3	27.9	23.5	29.3	20.4	24.1	20.8	18	21.8	20.6	22.1	21.8	29.1	29.3
5000LM HEF	25.5	28.1	23.7	29.5	21.6	25.3	21.1	18.3	22.1	20.9	22.3	22.1	29.3	29.5

UGR varies based on luminaire options and is affected by application dependent parameters. Numbers depicted here are considered "Luminaire-UGR and/or "Point-UGR" values. To determine a more precise maximum UGR value ("Application-UGR"), a full lighting design layout should be completed with the selected luminaire configuration for each application

Lumen Package	UGR Values of CLX L36 @ 80CRI and 3500K UGR (70% 50% 20% reflectance using a 4H x 8H room size)							
	FDL		RDL		WDL		L/LENS	
	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise
2250LM SEF	21.4	24.1	19.7	25.6	17.7	21.6	25.2	25.4
3000LM SEF	22.3	25	20.6	26.5	18.6	22.5	26.2	26.3
3750LM SEF	23.2	25.9	21.4	27.3	19.5	23.4	27	27.2
5250LM SEF	24.2	26.9	22.5	28.4	20.5	24.4	28	28.2
6750LM SEF	25.1	27.8	23.3	29.2	21.4	25.3	28.9	29
7500LM SEF	25.4	28.1	23.6	29.5	21.7	25.6	29.2	29.4
2250LM HEF	25	27.7	20.5	26.4	18.6	22.5	25.2	25.3
3000LM HEF	25.3	28	21.4	27.3	19.4	23.3	26.1	26.2
3750LM HEF	21.4	24.1	22.4	28.3	20.5	24.4	27	27.1
5250LM HEF	22.3	25	23.2	29.2	21.3	25.2	28	28.1
6750LM HEF	23.1	25.8	23.6	29.5	21.6	25.5	28.8	29
7500LM HEF	24.2	26.8	19.6	25.5	17.7	21.6	29.1	29.3

UGR varies based on luminaire options and is affected by application dependent parameters. Numbers depicted here are considered "Luminaire-UGR and/or "Point-UGR" values.
To determine a more precise maximum UGR value ("Application-UGR"), a full lighting design layout should be completed with the selected luminaire configuration for each application

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AMBIENT TEMPERATURE RATINGS

Driver Package		GZ10			EZ1 or EOHN			Any Driver	
Length	**Lumen package**	**Direct Surface**	**THCLX/ Suspended**	**HA Option (Direct or Suspended)**	**Direct Surface**	**THCLX**	**Suspended 18"**	**Xpoint/ BGTD Direct Surface**	**E10W Suspended**
L24	1500LM	40C	40C	N/A	35C	35C	35C	N/A	N/A
	2000LM	40C	40C		35C	35C	35C		
	2500LM	40C	40C		35C	35C	35C		
	3000LM	40C	40C		40C	40C	40C		
	4500LM	40C	40C		35C	35C	40C		
	5000LM	40C	40C		25C	30C	35C		
L36	2250LM	40C	40C		40C	40C	40C		
	3000LM	40C	40C		40C	40C	40C		
	3750LM	40C	40C		40C	40C	40C		
	5250LM	40C	40C		35C	35C	40C		
	6750LM	30C	40C		35C	35C	40C		
	7500LM	30C	40C		25C	30C	35C		
L48	3000LM	40C	40C	50C	40C	40C	40C	35C	25C
	4000LM	40C	40C	50C	40C	40C	40C		
	5000LM	40C	40C	50C	35C	35C	40C		
	7000LM	30C	40C	N/A	35C	35C	40C		
	9000LM	30C	40C		25C	30C	35C		
	10000LM	30C	40C		25C	30C	35C		
L96	6000LM	40C	40C	50C	35C	35C	40C		
	8000LM	30C	40C	50C	35C	35C	40C		
	10000LM	30C	40C	50C	25C	30C	35C		
	14000LM	40C	40C	N/A	35C	35C	40C		
	18000LM	30C	40C		25C	30C	35C		
	20000LM	30C	40C		25C	30C	35C		

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LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — The CLX is a linear lighting solution that is available in multiple lengths, lumen packages and distributions. Designed for versatility, the CLX can address virtually any indoor lighting need. The CLX is also offered in standard and high efficacy configurations and capable of being continuous row mounted or installed as a stand-alone fixture. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.

CONSTRUCTION — Channel and cover are formed from code-gauge cold-rolled steel. Housing and lens endcaps are injection molded plastic to provide a more architectural look and feel. The endcaps come standard with a 7/8" knock out for continuous mounting but can be ordered without.

Finish: Paint options include high-gloss, baked white polyester (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). Five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Offered with acrylic lens and less lens configurations. Provides a choice of optical distributions including, wide, narrow, and aisle.

ELECTRICAL — Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR_ ordering information on page 14.) Electronic LED driver is multi-volt input and 0-10V dimming standard (see Operational Data on page 12 for actual wattage consumption). This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

L70>100,000 hours at 25˚C.

LEDs provide nominal 80 CRI or 90CRI at 3000 K, 3500 K,4000 K, or 5000 K.

Lumen output up to 2,500 lumens per foot.

INSTALLATION — Fixture may be ceiling or wall mounted (with or without THCLX hanger or angle mounted with CLXANGBRT), pendant or stem mounted with appropriate mounting options.

WARNING — Removing the lens and opening the fixture during installation exposes the LEDs, putting them at risk for damage.

If you plan to surface mount the fixture, we recommend using the THCLX. This eliminates the need to open the fixture.

If you plan to continuous row mount, we recommend using the PLR wiring harness option. This eliminates the need to open the fixture.

Damage to the LEDs caused during installation will not be covered under the warranty.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -4°F (-20°C) and 104°F (40°C). Optional High Ambient (HA) ranging to 122°F(50°C) available on certain lumen packages (See ambient temperature chart for additional information).
DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: 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.

LED Linear

CLX

24", 36", 48" and 96" Lengths

Flat Diffuse Lens

Round Diffuse Lens

Wide Diffuse Lens

Stock configurations are offered for shorter lead times:

Stock Part Number	UPC	DLC QPL Product ID	DLC Premium
CLX L48 3000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525816	PJANKZR4	Yes
CLX L48 3000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525885	PKW32VKL	Yes
CLX L48 5000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525939	P77I8Z20	Yes
CLX L48 5000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525908	P8A42C1H	Yes
CLX L96 6000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525861	PPFTGRBV	Yes
CLX L96 6000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525915	PW6250TE	Yes
CLX L96 10000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525922	PYKOC7EW	Yes
CLX L96 10000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525830	PKYPL35K	Yes
CLX L48 3000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525960	PJANKZR4	Yes
CLX L48 3000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525892	PKW32VKL	Yes
CLX L48 5000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525854	P77I8Z20	Yes
CLX L48 5000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525946	P8A42C1H	Yes
CLX L96 6000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525878	PPFTGRBV	Yes
CLX L96 6000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525823	PD0SSIAD	Yes
CLX L96 10000LM SEF RDL MVOLT GZ10 40K 80CR WH	00191723525953	PYKOC7EW	Yes
CLX L96 10000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525847	PKYPL35K	Yes

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

CLX LED Linear

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: CLX L48 5000LM SEF WDL MVOLT GZ10 40K 80CRI WH

Series	Length		Nominal lumens		Performance package		Louver		Lens	
CLX	LED linear	L24	24" [1,2]	1500LM	1,500 lumens	SEF	Standard efficiency[5]	(Blank)	Less louver	L/Lens	Less lens
				2000LM	2,000 lumens	HEF	Premium efficiency	SBLW	Straight blade louver, white[6]	FDL	Flat diffuse[7,8]
				2500LM	2,500 lumens			SBLMB	Straight blade louver, matte black[6]	RDL	Round diffuse[7,8]
				3500LM	3,500 lumens			SBLGV	Straight blade louver, galvanized[6]	WDL	Wide diffuse[7,8]
				4500LM	4,500 lumens			SBLSKGY	Straight blade louver, smoke gray[6]		
				5000LM	5,000 lumens[3,4]						
		L36	36" [2]	2250LM	2,250 lumens						
				3000LM	3,000 lumens						
				3750LM	3,750 lumens						
				5250LM	5,250 lumens						
				6750LM	6,750 lumens						
				7500LM	7,500 lumens[3,4]						
		L48	48"	3000LM	3,000 lumens						
				4000LM	4,000 lumens						
				5000LM	5,000 lumens						
				7000LM	7,000 lumens[2]						
				9000LM	9,000 lumens[2]						
				10000LM	10,000 lumens[2,4]						
		L96	96"	6000LM	6,000 lumens						
				8000LM	8,000 lumens						
				10000LM	10,000 lumens						
				14000LM	14,000 lumens[2,4]						
				18000LM	18,000 lumens[2,4]						
				20000LM	20,000 lumens[2,4]						

Distribution		Voltage			Driver[14]		Color temperature		Coloring rendering index	
(Blank)	General	MVOLT	120-277V[10]	277 277V	GZ10	0 -10V dimming[15]	30K	3000 K	80CRI	80 CRI
ND	Narrow[8,9]	120	120V	347 347V[12,13]	EZ1	Dimming to 1%[2]	35K	3500 K	90CRI	90 CRI
WD	Wide[8,9]	208	208V[11]	480 480V[12,13]			40K	4000 K		
AD2	Aisle, 24° off center[8,9]	240	240V[11]				50K	5000 K		

Options

PS1050	Emergency battery pack, 10W, CA Title 20 Noncompliant[2,11,13,16,17]
E10WLCP	Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS[2,11,13,16,17]
BGTD	Generator transfer device, not avaialble with PS1050[13,16,18]
OCS	5', 18/3 Reloc selectable One Pass cable[16]
HA	High ambient, for use in ambient temperatures up to 50°C[11]
EPNKO	Decorative endplate, no knock out[19]
OUTCTR	Wiring leads pulled through back center of fixture[20]
OUTEND	Wiring leads pulled through end of fixture[21]

Cord Sets:

CS1W	Staight blade plug, 120V[10,16]
CS3W	NEMA twist-lock plug, 120V[10,16]
CS7W	Staight blade plug, 277V[10,16]
CS11W	NEMA twist-lock plug, 277V[10,16]
CS25W	NEMA twist-lock plug, 347V[10,16]
CS97W	NEMA twist-lock plug, 480V[10,16]
CS93W	600V SEOOW white cord, no plug (no voltage required)
CS6WG16ST0WD5D	6' white cord, 16/5, no plug, includes low voltage dimming wires (no voltage required)[15]

PLR__	Plug-in wiring, see page 16 for ordering information
PLR1LVG	Plug-in wiring,low voltage dimming[22]
RRL__	RELOC®-ready luminaire. See page 15 for ordering information
SPD	Surge protection device, provides up to 6kV protection[20]
USPOM	Assembled in the United States

nLight® Wireless:[23,24]

NLTAIR2 RES7	nLight® Generation 2 enabled PIR integral occupancy sensor with automatic dimming photocell
NLTAIR2 RES7PDT	nLight AIR Generation 2 enabled dual technology integral occupancy sensor with automatic dimming photocell
NLTAIR2 RIO	No sensor control

nLight® Wired:[23,25]

N100	nLight® without lumen management
NES7	nLight® nES 7 PIR integral occupancy sensor[26]
NESPDT7	nLight® nES PDT 7 dual technology integral occupancy control[26]
NES7ADCX	nLight® nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell[26]
NESPDT7ADCX	nLight® nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell[26]

Individual controls:[23,25]

MSD7	PIR integral occupancy sensor
MSDPDT7	PDT 7 dual technology integral occupancy control
MSD7ADC	PIR integral occupancy sensor with automatic dimming control photocell
MSDPDT7ADC	PDT integral occupancy sensor with automatic dimming control photocell

Finish

WH	White
GALVW	Galvanized with white lens end caps
GALVB	Galvanized with black lens end caps
MB	Matte black
SKGYW	Smoke gray with white lens end caps
SKGYB	Smoke gray with black lens end caps

See Accessories and footnotes on next page

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CLX LED Linear

Accessories: *Order as separate catalog number.*

Mounting:

ZACVH	Aircraft cable 120" (one pair)
ZAC120	One adjustable aircraft cable with canopy 120" [27]
ZACFP120	One adjustable aircraft cable with feed (3 conductor) and canopy, 120" [27]
ZACFPD120	One adjustable aircraft cable with feed (5 conductor) and canopy 120" [27]
ZAC240	One adjustable aircraft cable with canopy 240" [27]
ZACFP240	One adjustable aircraft cable with feed (3 conductor) and canopy, 240" [27]
ZACFPD240	One adjustable aircraft cable with feed (5 conductor) and canopy 240" [27]
SQ_	Stem kit, 2" increments up to 48" [27]

THCLX __	Tong hanger (Must specify color) (one pair) [28]
CLXANGBKT ____	Angle bracket, (Must specify color) (one pair) [28]
HC36	Hanger chain, 36" (one pair)

Sensors & Controls:

LSXR	Sensor Switch ® LSXR occupancy sensor [29]
NPP16D	nLight® switching/dimming module
NPP16DER	nLight® switching/dimming module with emergency relay
rPP20D	nLight® air dimming/switching module
XPA CMRB0	XPoint™ Wireless 0-10V relay, external, 55°C max ambient

Reflectors:

CLXRW24___	Wide decorative 24" reflector, (Must specify color) [30]
CLXRW36___	Wide decorative 36" reflector, (Must specify color) [30]
CLXRW48___	Wide decorative 48" reflector, (Must specify color) [30]
CLXRW96___	Two wide decorative 48" reflectors, (Must specify color) [30]
CLXRWU24___	Wide decorative 24" reflector with uplight, (Must specify color) [30]
CLXRWU36___	Wide decorative 36" reflector with uplight, (Must specify color) [30]
CLXRWU48___	Wide decorative 48" reflector with uplight, (Must specify color) [30]
CLXRWU96___	Two wide decorative 48" reflectors with uplight, (Must specify color) [30]
CLXRN24	Narrow 24" reflector, (Must specify color) [31]
CLXRN36	Narrow 36" reflector, (Must specify color) [31]
CLXRN48	Narrow 48" reflector, (Must specify color) [31]
CLXRN96___	Two narrow 48" reflectors, (Must specify color) [31]

Wireguards:

WGCLX24___	24" wireguard, (Must specify color) [32]
WGCLX36___	36" wireguard, (Must specify color) [32]
WGCLX48___	48" wireguard, XX, (Must specify color) 96" fixture requires two [32]

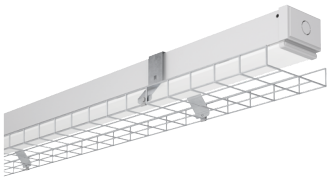
Notes

1 Not available with OUTCTR option.
2 Not available with HA option.
3 Not available with SEF when ordered in combination with EZ1.
4 Not available with NLTAIR2 RES7, NLTAIR2 RES7PDT, or NLTAIR2 RIO.
5 Not available with EZ1 when ordered with L24 with 5000LM or L36 with 7500LM.
6 When ordered with L24 only available with 1500LM or 2000LM in combination with GZ10 driver. Not for use with THCLX, CLXANGBKT, CLX reflectors or WGCLX accessories. Not available with RDL lens options.
7 Only available with general distribution.
8 Not available with CLXRN accessories.
9 Available L/LENS only.
10 Not available with PS1050, E10WLCP, or BGTD.
11 Not available with BGTD option.
12 Voltage selected utilizes a step-down transformer. Not available with L24 when ordered with N100.Not available with PS1050, E10WLCP or BGTD option.
13 Requires SPD option.
14 When continuous row mounting, fixtures must all have the same driver selection.
15 Not available with Individual controls, nLight wired networking, nLight wireless networking, nLight wireless zone control options.
16 Must specify voltage.
17 Not available with L24 or L36. Not available with L48 in combination with N100.
18 Available with L48 or L96 only. 20 Not available with PS1050 or E10WLCP options. Not available with 208 or 240V. Not available Individual controls, NLight Wired, or NLight Wireless options.
19 Not available OUTEND.
20 Required with PS1050, E10WLCP, BGTD, XAD, or XAD924.
21 Not available with PLR options.
22 Not available with XPoint, Individual controls, NLight Wired, or NLight Wireless options.
23 Sensor housing will be the same color as lens end caps.
24 Not available with L24 in combination with 5000LM, not available with L36 in combination with 7500LM, not available with L48 in combination with 10000LM, and not available with L96 in combination with 14000LM, 18000LM, or 20000LM. Not available with PLRs containing low voltage dimming wires.
25 Not available with any other control option. Requires EZ1.
26 Requires N100 option.
27 Ships standard as white.
28 Not available with louver, wireguards, wide reflectors.
29 More configurations on LSXR Specification Sheet.
30 L24 reflector is 22.65", L36 reflector is 34.01", L48 reflector is 46.80", L96 comes with two L48 reflectors.
31 For use with L/LENS fixtures only. L24 reflector is 22.75", L36 reflector is 34.20", L48 reflector is 46.85", L96 comes with two L48 reflectors.
32 Not for use with CLX wide reflector accessories.

OPTIONS AND ACCESSORIES

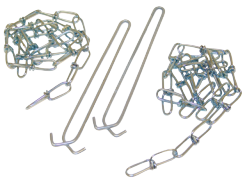
Narrow reflector
Ships separtely from fixture.
Order as:
CLXRN24___
CLXRN36___
CLXRN48___
CLXRN96___

Wide decorative reflector
Ships separtely from fixture.
Order as:
CLXRW24___
CLXRW36___
CLXRW48___
CLXRW96___



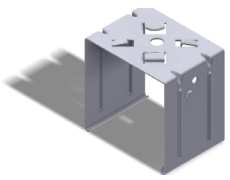
Wireguard
Ships separately from fixture:
96" fixture requires two WGCLX48.
Order as:
WGCLX24___
WGCLX36___
WGCLX48___

Aircraft Cable with Canopy
Available in 120" or 240"
Order as:
ZAC120
ZAC240



HANGER CHAIN
36" chain with Y hanger. ships as a pair
Order as:
HC36

ZACVH HANGER
10' Aircraft cable with Y hanger.
Order as:
ZACVH



Tong hanger
Ships as a pair
Order As:
THCLX___

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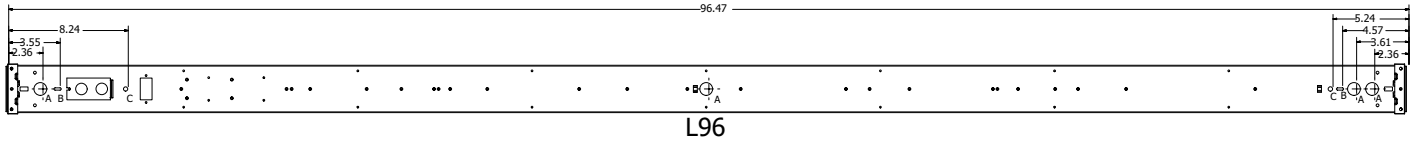
CLX LED Linear

DIMENSIONS

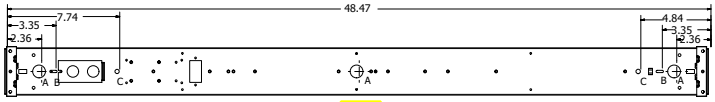
All dimensions are in inches (centimeters) unless otherwise indicated.
Dimensions may vary with options or accessories.

INTEGRATED SENSOR ADDS 2.0 INCHES TO STANDALONE FIXTURE LENGTH
HOUSING END CAP ADDS 0.236 INCHES TO FIXTURE LENGTH PER SIDE. DIMENSIONS BELOW INCLUDE ENDCAPS.

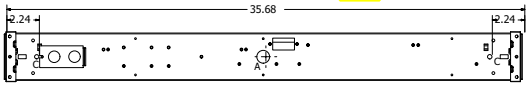
A - 7/8" KNOCK OUT
B - 0.5" by 0.16" SLOT
C - 0.3" DIA HOLE



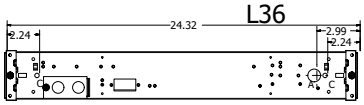
L96



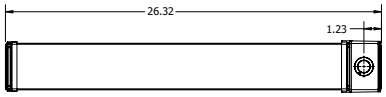
L48



L36



L24

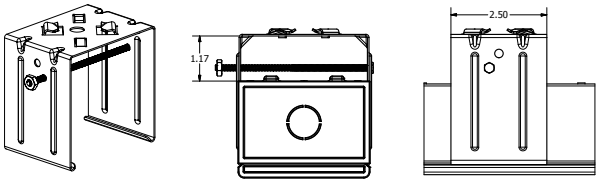


L24 WITH SENSOR

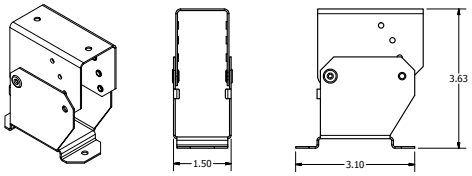
PALLET DIMENSIONS

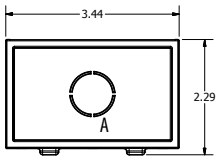
Length	Approx Weight	Fixtures per pallet	Pallet Dims (L X W X H)
L24	4 lb	100	54x46x37
L36	5 lb	80	54x46x37
L48	7.5 lb	64	54x46x37
L96	14 lb	64	98x46x37

THCLX - SHIPS TWO PER ORDER,
UTILIZES A #8 HEX HEAD SCREW AND NUT
FIXTURE SITS 1.3 INCHES FROM STRUCTURE WHEN MOUNTED

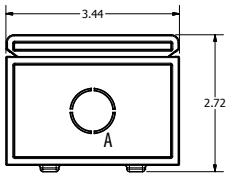


CLXANGBKT - SHIPS TWO PER ORDER
HOLES TO MOUNTING STRUCTURE ARE 0.175" DIA, 2.5" APART
FIXTURE SITS APPROXIMATELY 3.5" FROM STRUCTURE
WHEN MOUNTED HORIZONTAL TO STRUCTURE

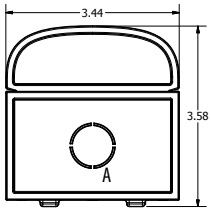




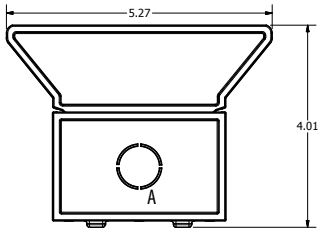
L/LENS



FDL



RDL



WDL

PHOTOMETRICS

See www.lithonia.com.

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CLX LED Linear

POWER SENTRY EMERGENCY BATTERY PACKS

		SEF Emergency Lumens	HEF Emergency Lumens
PS1050	Factory installable	1400	1500
E10WLCP	Factory installable	1400	1500
PS1555LCP	Field installable, remote mount only	2000	2100

Note: For emergency lumen output of specific model, please consult factory. One board will be illuminated during emergency operation.

CLX CHARACTERISTICS

Nominal Lumen Package	Length	Wattage								Length	Width	Depth	Comparable Light Source
		Standard efficiency				High efficiency							
		120V	277V	347V	480V	120V	277V	347V	480V	Dimensions are shown in inches			
2500LM	24"	19.9	19.9	25.9	25.9	18.5	18.5	24.5	24.5	24	3.5	3.75	1-lamp 32WT8, 1-lamp 54W T5HO, 50W HID
5000LM	24"	41.9	41.9	47.9	47.9	37.9	37.9	43.9	43.9	24	3.5	3.75	2-lamp 32WT8, 1-lamp 54W T5HO, 70W HID
3750LM	36"	28.1	28.1	34.1	34.1	27.0	27.0	33.0	33.0	36	3.5	3.75	1-lamp 32WT8, 1-lamp 54W T5HO, 50W HID
7500LM	36"	62.9	62.9	68.9	68.9	56.8	56.8	62.8	62.8	36	3.5	3.75	2-lamp 32WT8, 1-lamp 54W T5HO, 70W HID
5000LM	48"	35.4	35.4	41.4	41.4	32.9	32.9	38.9	38.9	48	3.5	3.75	2-lamp 32WT8, 1-lamp 54W T5HO, 70W HID
10000LM	48"	77.1	77.1	83.1	83.1	70.4	70.4	76.4	76.4	48	3.5	3.75	3 -lamp 32WT8, 2-lamp 54W T5HO, 100W HID
10000LM	96"	70.8	70.8	76.8	76.8	65.8	65.8	71.8	71.8	96	3.5	3.75	3 -lamp 32WT8, 2-lamp 54W T5HO, 100W HID
20000LM	96"	154.2	154.2	160.2	160.2	140.8	140.8	146.8	146.8	96	3.5	3.75	6 - lamp 32WT8, 4 -lamp 54T5HO, 200W HID

AMBIENT TEMPERATURE RATINGS

Driver Package		GZ10			EZ1			Any Driver	
Length	Lumen package	Direct Surface	THCLX/ Suspended	HA Option (Direct or Suspended)	Direct Surface	THCLX	Suspended 18"	Xpoint/ BGTD Direct Surface	PS1050 Suspended
L24	1500LM	40C	40C	N/A	35C	35C	35C	N/A	N/A
	2000LM	40C	40C		35C	35C	35C		
	2500LM	40C	40C		35C	35C	35C		
	3000LM	40C	40C		40C	40C	40C		
	4500LM	40C	40C		35C	35C	40C		
	5000LM	40C	40C		25C	30C	35C		
L36	2250LM	40C	40C		40C	40C	40C		
	3000LM	40C	40C		40C	40C	40C		
	3750LM	40C	40C		40C	40C	40C		
	5250LM	40C	40C		35C	35C	40C		
	6750LM	30C	40C		35C	35C	40C		
	7500LM	30C	40C		25C	30C	35C		
L48	3000LM	40C	40C	50C	40C	40C	40C	35C	25C
	4000LM	40C	40C	50C	40C	40C	40C		
	5000LM	40C	40C	50C	35C	35C	40C		
	7000LM	30C	40C	N/A	35C	35C	40C		
	9000LM	30C	40C		25C	30C	35C		
	10000LM	30C	40C		25C	30C	35C		
L96	6000LM	40C	40C	50C	35C	35C	40C		
	8000LM	30C	40C	50C	35C	35C	40C		
	10000LM	30C	40C	50C	25C	30C	35C		
	14000LM	40C	40C	N/A	35C	35C	40C		
	18000LM	30C	40C		25C	30C	35C		
	20000LM	30C	40C		25C	30C	35C		

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CLX LED Linear

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
FDL	L48	3000LM	SEF	80	2662	2737	2812	2879	20.32
				90	2320	2370	2437	2562	20.32
			HEF	80	2654	2691	2812	2820	19.01
				90	2170	2200	2313	2313	19.01
		4000LM	SEF	80	3557	3657	3758	3847	27.58
				90	3100	3167	3256.	3423	27.58
			HEF	80	3546	3596	3758	3768	24.75
				90	2899	2939	3091	3091	24.75
		5000LM	SEF	80	4450	4576	4701	4813	34.8
				90	3878	3962	4073	4283	34.8
			HEF	80	4436	4499	4701	4714	31.77
				90	3627	3678	3867	3867	31.77
		7000LM	SEF	80	6446	6628	6810	6972	49.05
				90	5618	5739	5901	6204	49.05
			HEF	80	6426	6517	6810	6829	44.67
				90	5254	5327	5602	5602	44.67
		9000LM	SEF	80	8126	8355	8584	8788	63.99
				90	7081	7234	7438	7820	63.99
			HEF	80	8100	8215	8584	8607	58.58
				90	6623	6715	7061	7061	58.58
		10000LM	SEF	80	9081	9338	9594	9822	73.37
				90	7914	8085	8313	8740	73.37
			HEF	80	9052	9181	9594	9620	66.27
				90	7402	7505	7892	7892	66.27
	L96	6000LM	SEF	80	5240	5387	5535	5667	38.15
				90	4566	4665	4796	5042	38.15
			HEF	80	5223	5297	5535	5550	35.54
				90	4270	4330	4553	4553	35.54
		8000LM	SEF	80	6991	7189	7386	7561	52.32
				90	6093	6224	6400	6728	52.32
			HEF	80	6969	7068	7386	7406	48.5
				90	5698	5778	6075	6075	48.5
		10000LM	SEF	80	8649	8893	9137	9354	66.47
				90	7537	7700	7917	8323	66.47
			HEF	80	8621	8744	9137	9161	60.89
				90	7049	7147	7516	7516	60.89
		14000LM	SEF	80	12630	12986	13342	13659	94.78
				90	11006	11244	11561	12154	94.78
			HEF	80	12589	12768	13342	13378	85.96
				90	10293	10437	10975	10975	85.96
		18000LM	SEF	80	16276	16735	17194	17602	128.98
				90	14184	14490	14898	15663	128.98
			HEF	80	16223	16454	17194	17240	116.92
				90	13265	13450	14143	14143	116.92
		20000LM	SEF	80	17976	18483	18990	19441	146.83
				90	15665	16004	16454	17300	146.83
			HEF	80	17918	18173	18990	19041	131.6
				90	14651	14855	15621	15621	131.6

INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 800-315-4963 www.lithonia.com

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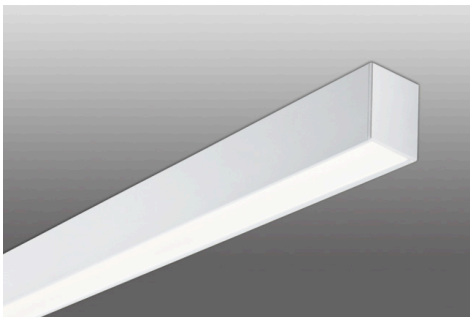
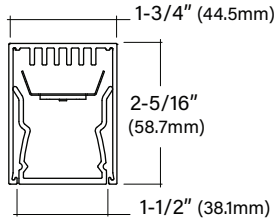
PINNACLE ARCHITECTURAL LIGHTING®

Project Name _____

Date _____ Type _____





EDGE MINI

1" x 2" Suspended Direct Linear

Key Features

- Available with integral and remote driver options
- 6063-T5 Extruded aluminum housing
- Highly reflective die-formed white painted reflector
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed
- Approved for dry/damp location unless otherwise noted

Example Part #: EX12D-HE-N-830HO-26'-AC48G1-U-FSD-1-0-W

EX12D - [ ] - N - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

DIRECT SHIELDING | INDIRECT SHIELDING | CRI, CCT & OUTPUT | LENGTH OR PATTERN | MOUNTING | VOLTAGE | DRIVER | CIRCUITING | BATTERY & EMERGENCY | FINISH

__	N	______	____
DIRECT SHIELDING	**INDIRECT SHIELDING**	**SOURCE[1]**	**LENGTH OR PATTERN[2]**
A - Satine Lens **HE** - High Efficiency Lens **BW** - Batwing Insert **WHE** - Asymmetric Insert **HED** - Descent Lens **P** - Parabolic Louver *Shielding pg. 2*	**N** - None *Shielding pg. 2*	**_27_ _ -** 2700K **_30_ _ -** 3000K **_35_ _ -** 3500K **_40_ _ -** 4000K **CL_ _ _ _ _ _ -** Custom Lumens **CW_ _ _ _ _ _ -** Custom Watts **MOD** - Mod options available *Lumen Output pg. 2*	**_ _ -** Individual Fixture 8' **_ _ -** Continuous Row **S _ -** Square **R _ x _ -** Rectangle **L _ x _ -** L Shape **U _ x _ x _ -** U-Shape **T _ x _ -** T-Shape **X _ x _ -** X-Shape **MOD** - Mod options available *Length and Pattern pg. 3*

_ _ _ _ _ _ _ _	_	_ _ _	_
MOUNTING[3]	**VOLTAGE**	**DRIVER**	**CIRCUITING**
AC_ _G_ - AC to Grid **AC_ _JB -** AC to J Box **AC_ _ST -** AC to Structure **WA -** Wall Mount **S -** Surface Mount **AC5_ _G_ -** 5" Non-Power Canopy **AC5_ _JB -** 5" Non-Power Canopy **SQ_ _G_ -** 5" Square Canopy **SQ_ _JB -** 5" Square Canopy *Mounting pg. 4*	**U -** Universal *(120 thru 277V)* **1 -** 120V **2 -** 277V **3 -** 347V *Voltage pg. 4*	*Integral Driver* **EL1 -** ERP Power *(1%, 0-10v, 120v or 277v)* *Remote Drivers* **FSD -** Factory Select Driver *(1%, 0-10v)* **PL2 -** Advance Xitanium *(1%, 0-10v)* **OL2 -** eldoLED *(1%, 0-10v)* **EE1 -** eldoLED ECOdrive *(1%, 0-10v)* **ES1 -** eldoLED SOLOdrive *(0.1%, 0-10v)* **LH1-** Lutron Hi-lume *(1%, EcoSystem)* *Driver pg. 4*	**1 -** Single Circuit **M -** Multi Circuit **E -** Emergency *(entire fixture)* **N -** Night Light *(entire fixture)* *Circuiting pg. 5*

_ _ _	_ _	_ _	
BATTERY & EMERGENCY[4]	**FINISH**	**FIXTURE OPTIONS[5]**	**CONTROLS**
0 - None **_FSB** - Factory Select Battery **_FSG -** Factory Select ALCR **_GI** - Iota ETS DR **_GB** - Bodine GTD **_ILL -** Iota 10w Integral **_PLL -** Bodine 10W *Battery and Emergency pg. 5*	**W -** White **S -** Metallic Silver **BL -** Textured Black **BR -** Bronze **GR -** Graphite **CC -** Custom Color *Finish pg. 5*	**BA -** Buy America(n) Act and/or Build America Buy America Compliant *Fixture Options pg. 6*	*Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.*

[1]When specifying CRI- CCT & OUTPUT the first _ is for specifying either **8** - 80CRI or **9** - 90CRI. The ending _ _ are for specifying output, example **HO** - High Output. See output charts for more information. [2]Individual fixtures come in 2', 3', 4', 5', 6', 7', & 8' lengths.Continuous row come in 1' increments. For Mod layouts Specify pattern shape and overall dimensions. Example: L6x4: L pattern that is 6'x4' [3]Specify AC length standard AC is 48"; Specify grid: G1=15/16", G9=9/16", GS=Screw Slot; All EX12 fixtures require a remote driver. Distance from Remote Box to Fixture cannot exceed 10ft. Based on the size and application of the remote box, specify RB (Remote Box) or RC (Remote Canopy) at the end of the Mounting portion of the part number. See page 3 for details. [4]Enter quantity for Battery and Emergency, Example 2PLL. [5]Compliance is configuration dependent; consult factory for confirmation.

Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions.

PINNACLE ARCHITECTURAL LIGHTING®

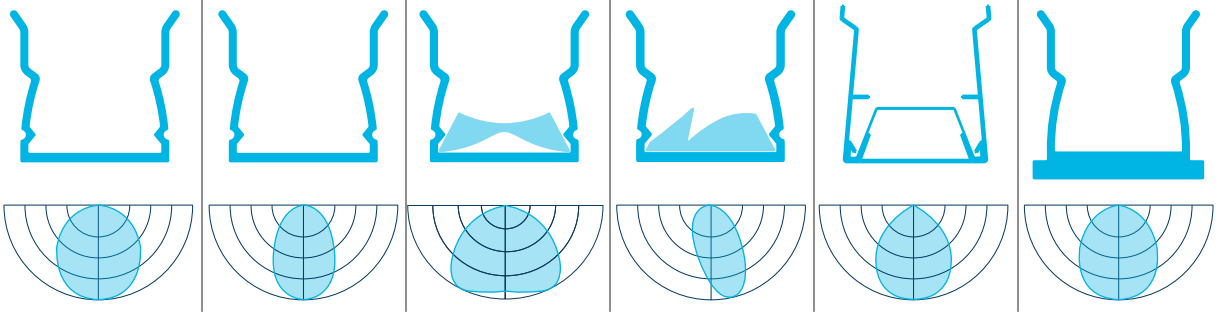
EDGE MINI

Suspended Direct Linear

Shielding

DIRECT

A	HE	BW	WHE	P	HED	INDIRECT
Satine Lens	High Efficiency Lens	Batwing Insert	Asymmetric Insert	Parabolic Louver *(only available to the foot)*	Descent Lens	**N** None



Output

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory.
- 90 CRI = R9≥50

Custom Output - Lumens OR Wattage

CL_ _ _ _ _	Specify CRI, CCT and desired lumens (i.e. CL835600)	*Specify lumens between standard offering listed below. Lumens are specified per color temp*
CW_ _ _ _ _	Specify CRI, CCT and desired wattage (i.e. CW9407)	*Specify lumens between standard offering listed below. Lumens are specified per color temp*

Direct 80 CRI

	Color	Lumens *per foot*	Shielding **A** Satine Lens		**HE** High Efficiency		**BW** Batwing		**WHE** Asymmetric		**P** Louver		**HED** Descent	
			LPW	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*
830	3000K	500	92	5.4	116	4.3	84	5.9	101	4.9	73	6.9	102	4.9
830HO	3000K	750	94	8.0	115	6.5	86	8.7	103	7.3	73	10.3	101	7.4
830VHO	3000K	1000	93	10.7	118	8.5	84	11.9	105	9.5	70	14.3	103	9.7
835	3500K	500	95	5.2	119	4.2	87	5.8	105	4.8	73	6.8	103	4.9
835HO	3500K	750	97	7.7	119	6.3	88	8.5	107	7.0	75	10.0	105	7.2
835VHO	3500K	1000	97	10.4	122	8.2	87	11.5	107	9.3	73	13.8	106	9.4
840	4000K	500	95	5.2	119	4.2	87	5.8	105	4.8	73	6.8	103	4.9
840HO	4000K	750	97	7.7	119	6.3	88	8.5	107	7.0	75	10.0	105	7.2
840VHO	4000K	1000	97	10.4	122	8.2	87	11.5	107	9.3	73	13.8	106	9.4

Direct 90 CRI

927	2700K	500	74	6.7	96	5.2	70	7.2	84	6.0	60	8.4	82	6.1
927HO	2700K	750	77	9.8	97	7.7	70	10.7	86	8.8	58	12.9	84	9.0
927VHO	2700K	1000	74	13.5	97	10.3	68	14.6	84	12.0	N/A		82	12.2
930	3000K	500	81	6.1	102	4.9	74	6.7	91	5.5	65	7.7	89	5.6
930HO	3000K	750	83	9.0	104	7.2	77	9.8	93	8.1	64	11.8	91	8.2
930VHO	3000K	1000	81	12.3	106	9.4	74	13.5	93	10.8	63	16.0	91	11.0
935	3500K	500	81	6.2	102	4.9	74	6.8	91	5.5	65	7.7	89	5.6
935HO	3500K	750	83	9.1	104	7.2	76	9.8	93	8.1	63	11.8	91	8.3
935VHO	3500K	1000	81	12.4	106	9.5	74	13.6	92	10.8	62	16.1	90	11.1
940	4000K	500	81	6.2	102	4.9	74	6.8	91	5.5	65	7.7	89	5.6
940HO	4000K	750	83	9.1	104	7.2	76	9.8	93	8.1	63	11.8	91	8.3
940VHO	4000K	1000	81	12.4	106	9.5	74	13.6	92	10.8	62	16.1	90	11.1

Direct Source: MOD Options

- Specify **MOD** in the part number for any of the below options
- All RGB_ Source Options will require specific driver and control
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD	TIR Optics

PINNACLE ARCHITECTURAL LIGHTING®

EDGE MINI

Suspended Direct Linear

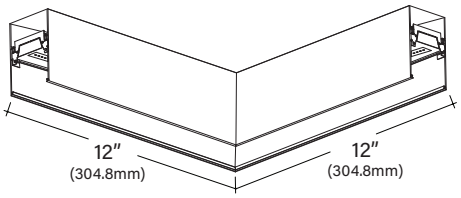
Length

- All individual units cannot be joined, end plates are factory installed and cannot be removed
- For Continuous Runs, 1/2" (12.7mm) to the overall length of the row to account for end caps
- For patterns, refer to Pattern section on next page
- P Shielding option only available to the foot

2	3	4	5	6	7	8	–
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run *Specify nominal overall row length to the 1'*

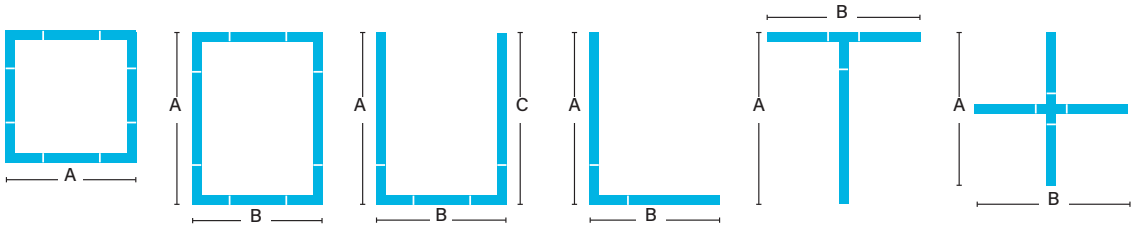
24" (609.6mm)
36" (914.4mm)
48" (1219.2mm)
60" (1524mm)
72" (1828.8mm)
84" (2133.6mm)
96" (2438.4mm)
Specify to the 1'

Pattern

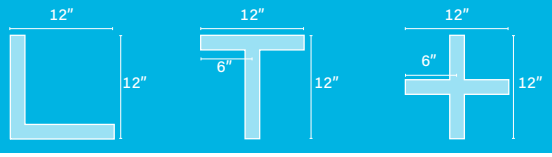


- Specify pattern shape and overall dimensions (includes corner dimensions)
- Refer to dimensions table below for available standard lengths
- All connectors are direct only
- 90 degree horizontal corners are 12"x12" (overall, outside dimension)
- Angles and shapes not shown require Mod Pattern; consult factory
- Only for HE Lens

S_	R_x_	U_x_x_	L_x_	T_x_	X_x_
Square *Provide A dimension* *Example:* **S4'** *Minimum Length-4'x4'*	Rectangle *Provide AxB dimensions* *Example:* **R4'x4'** *Minimum Length-4'x4'*	U-Shape *Provide AxBxC dimensions* *Example:* **U3'x4'x3'** *Minimum Length-3'x4'x3'*	L-Shape *Provide AxB dimensions* *Example:* **L3'x3'** *Minimum Length-3'x3'*	T-Shape *Provide AxB dimensions* *Example:* **T3'x5'** *Minimum Length-3'x5'*	X-Shape *Provide AxB dimensions* *Example:* **X5'x5'** *Minimum Length-5'x5'*



Horizontal Details: Every Connection is 12" x 12" in Overall Dimension



Length or Pattern: MOD Options

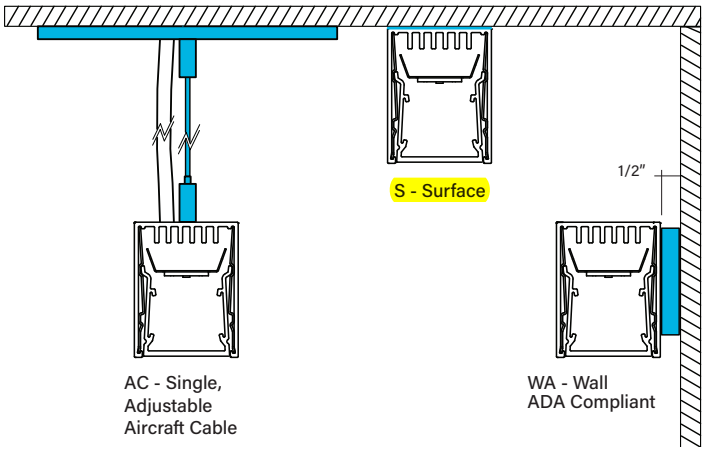
- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD	Specify MOD for patterns, lengths or angles not shown above
	Hubs Connectors

Mounting

- Specify cable length in ordering code (AC48G1)
- Standard specifiable lengths are 48", 120", 240" and 350"
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies
- Canopies are painted to match fixture finish, power cords are white or black depending on fixture finish. See Finish section for additional details
- Approved for dry/damp location unless otherwise noted, PAC NOT rated for dry/damp
- Refer to installation instructions during installation at the job site
- Maximum fixture weight is 20 lbs for a standard 4' fixture
- Remote box will be included for all specifications that include batteries, GTD, or a driver OTHER THAN the EL1. See Installation Instructions for more specific information about mounting

AC__G1	Aircraft Cable 1" (15/16") T-Bar
AC__G9	Aircraft Cable 9/16" T-Bar
AC__GS	Aircraft Cable Screw Slot T-Bar
AC__JB	Aircraft Cable Junction Box
AC__ST	Aircraft Cable Structure
AC5__G_	Aircraft Cable 5" (127mm) Non-Power Canopy
AC5__JB	Aircraft Cable 5" (127mm) Non-Power Canopy
SQ__G_	Aircraft Cable 5" (127mm) Square Canopy
SQ__JB	Aircraft Cable 5" (127mm) Square Canopy
WA	Wall Mount
S	Surface Mount



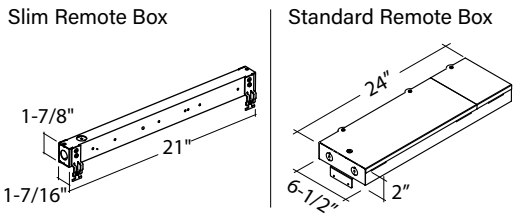
Voltage

- Some EX12 configurations will not accommodate all voltage options; consult with factory

U	Universal
1	120 volt
2	277 volt
3	347 volt

Driver

- Standard Driver Option = EL1
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options, see Pinnacle Resource Guide
- Some EX12D configurations will not accommodate all driver options; consult with factory
- EL1 driver is integral to the fixture housing. Remote box necessary for all drivers OTHER THAN the EL1 OR WITH BATTERY OPTION
- Osram and Lutron Drivers have a remote distance limitation of 10'
- eldoLED and Advance Drivers have an average remote distance limitation of 50'. Consult Factory for specific configurations



Integral Driver	
EL1	ERP Power 1%, 0-10v, requires 120 or 277

Remote Driver		Slim Remote Box	Standard Remote Box
0-10V Drivers			
FSD	Factory Select Driver (1%, 0-10v)	Standard Output (STD), High Output (HO)	Very High Output (VHO), 90CRI Options
PL2	Signify Advance Xitanium 1%, 0-10v		
PL4	Advance Xitanium 347v 1%, 0-10v, requires 347v		
OL2	eldoLED Optotronic, 1%, 0-10v		
OL4	eldoLED Optotronic 347v, 1% 0-10v, requires 347v option		
EE1	eldoLED ECOdrive 1%, 0-10v Logarithmic		
EE2	eldoLED ECOdrive 1%, 0-10v Linear		
ES1	eldoLED SOLOdrive 0-10v, 0.1% Logarithmic		
ES2	eldoLED SOLOdrive 0-10v, 0.1% Linear		
DALI Drivers			
EE3	eldoLED ECOdrive .1%, DALI (logarithmic)	Standard Output (STD), High Output (HO)	Very High Output (VHO), 90CRI Options
ES3	eldoLED SOLOdrive .1%, DALI (logarithmic)		
OD1	eldoLED Optotronic 1%, DEXAL		
Lutron Drivers			
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1	All Configurations	N/A
Alternate Drivers			
PS1	Signify Advance Xitanium Step Dimming 50/100%	All Configurations	N/A
EH1	ELV 120v only, 0-10v universal		

How to specify Circuiting, Battery and Emergency

1

- Select fixture circuiting from options below
- Some EX12D configurations will not accommodate all circuiting options, consult with factory

Circuiting

1	Single Circuit
M	Multi Circuit
E	Emergency Circuit only
N	Night Light Circuit only

2 + **3**

- Battery and emergency section options are available in addition to fixture circuit
- Select battery and emergency section options below; factory shop drawing required
- Some EX12D configurations will not accommodate all circuiting options, consult with factory

Battery and/or Emergency *If Required*

0	No battery or specific emergency section required

Battery

- Battery will be remote mounted with driver.
- Select battery section type if required, indicate total QTY. *Example 2PL*
- 90 minute battery runtime; test button is remote to fixture and requires an additional drop
- Battery not available for lengths under 4'
- Entire direct fixture housing is on battery for lengths up to 5'
- Half of direct fixture is on battery for 6', 7' or 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

0	No Battery
_FSB	Factory Select Battery *(10w option, remote in box)*
_FSBST	Factory Select Battery *(10w, Self Testing, remote in box)*
_PLL	Bodine 10w Integral *(remote in box)*
_ILL	Iota 10w Integral *(Self Testing, remote in box)*
_PRH	Bodine 20w *(remote with conduit)*
_IRH	Iota 20w *(remote with conduit)*

For Approximate Battery Lumen Output

- Multiply battery wattage X fixture LPW shown on Lumen Table
- 92.3 (LPW) x 10 (watts) = 923 battery lumen output

Emergency

- Select emergency section type if required, indicate total QTY. *Example 1E*
- Combine battery and emergency section ordering codes if both options are selected

_FSG	Factory Select ALCR, Emergency Control Device, UNV
_GI	Iota ETS-DR, Emergency Transfer Switch, UNV
_GB	Bodine GTD, Generator Transfer Device, 120v or 277v
_E	Emergency circuit section
_N	Night Light circuit section
_L	Life Safety circuit section NO THROUGH WIRE

Battery OR Emergency Ordering Examples

- Single circuit, 10w Integral Battery — Ordering Code: 1-1PL
- Emergency only, 10w Integral Battery — Ordering Code: E-1PLL
- Single circuit, GTD required — Ordering Code: 1-1GB

Finish

- Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes
- Selecting a fixture finish other than white may impact lumen output; consult factory for more information

W	White *(white cord/white canopy)*
S	Metallic Silver *(white cord/silver canopy)*
BL	Textured Black *(black cord/black canopy)*
BR	Bronze *(white cord/bronze canopy)*
GR	Graphite *(white cord/graphite canopy)*
CC	Custom Color *(white cord/color match canopy)*

Fixture Options

- Domestic content option - compliance is configuration dependent; consult factory for conformation

BA	Buy America(n) Act and/or Build America Buy America Compliant

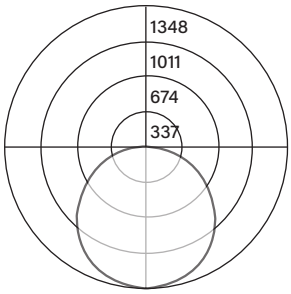
Controls

- Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.

Photometrics

High Efficiency Lens

Test #	Scaled from KPL2015-57
Catalog #	EX12D-A-840VHO-4
Lumens	3819
Watts	39.7
Efficacy	96 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1337	1337	1337	1337	1337
5	1325	1337	1328	1330	1329
10	1308	1320	1310	1312	1311
15	1279	1290	1280	1281	1280
20	1239	1249	1240	1240	1239
25	1189	1197	1189	1186	1186
30	1128	1136	1128	1123	1122
35	1059	1068	1057	1053	1052
40	983	986	978	972	970
45	899	899	892	883	881
50	806	805	796	789	769
55	704	705	696	687	685
60	599	597	590	580	581
65	491	488	477	470	470
70	375	373	365	359	357
75	258	258	250	247	245
80	153	150	146	143	145
85	66	64	61	59	58
90	0	0	0	0	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	28469	28277	27921
55	27516	27172	26738
65	26044	25293	24939
75	22355	21618	21227
85	17058	15632	14873

For all available IES files, please visit our website at pinnacle-ltg.com. Photometry testing in accordance to IESNA-LM-79-08 at an NVLAP accredited testing laboratory. Testing conducted at 25°C ambient conditions

Applications & Certificates

Construction: 6063-T5 Extruded aluminum housing. Highly reflective die-formed white painted reflector.

Shielding: Diffuse snap-in acrylic lens with matte finish, removable for maintenance.

Mounting: Aircraft cable, wall and surface mount available. The aircraft cable that mounts on 4'-0" (1219.2mm) and 8'-0" (2438.4mm) centers. Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies. Refer to installation instructions for appropriate ceiling detail. Canopies are painted white unless otherwise specified.

LED: 25°C test environment. Lumen output/wattage has a margin of +/- 5%; 2' or 3' lengths may have a greater wattage deviation. Luminaire configurations tested in accordance with IES LM-79. Diodes tested in accordance with IES LM-80. Lifetime calculated using IES TM-21. Minimum lifetime greater than 60,000 hours. Lifetime Projection L70 = 254,800 hours and L90 = 80,200 hours. MacAdam 3-Step Ellipses. For all available IES files, please visit our website at pinnacle-ltg.com.

CRI, CCT & Output: Not all lumen packages available. Three lumen packages available. Standard, High (HO) and Very High (VHO). Custom outputs are available. Specify custom lumens or watts between standard offering listed on CRI, CCT & Output page. 80 CRI is available for 3000K, 3500K, and 4000K. 90 CRI is available for 2700K, 3000K, 3500K and 4000K. 90 CRI = R9≥50.

Voltage: Universal (U), 120 volt (1), 277 volt (2) and 347 volt (3) options available. Must specify PL4 or OL4 in Driver section when 347 volt (3) is selected. Some EDGE configurations will not accommodate all voltage options; consult with factory.

Driver: Standard INTEGRAL Driver Option is EL1. All other driver options will be in remote box. EL1 designed for use with 120v or 277v only. Electronic driver, Power factor is >0.9 with a THD <20%. Driver Lifetime: 50,000 hours at 25°C ambient operating conditions. Ambient operating range: -20°F/-30°C to 128°F/54°C. When ND is specified, a spec grade driver will be provided. For more driver options, see Pinnacle Resource Guide. Some configurations will not accommodate all driver options.

Circuiting: Select from single circuit (1), Multi circuit (M), Emergency circuit (E) or Night Light circuit (N). For emergency circuiting situations that require no through wire or circuit separation, Life Safety Circuit should be selected. This will provide a separate power feed and only the Life Safety Circuit in that section. Some EX configurations will not accommodate all circuiting options; consult with factory.

Battery & Emergency: Select battery or emergency options if required. If battery or emergency option is not required, enter 0. Battery duration is 90 minutes as standard. Test button is remote to fixture. For more Battery options, see Pinnacle Resource Guide.

Finish: Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes. Canopies painted white unless specified differently in the options section of the part number. Contact factory for additional custom color and finish options.

Controls: Mod options available, consult with factory.

Buy America Act (BAA) and Build America, Buy America Act (BABA) Compliance: BAA and/or BABA compliance options are available to support federally funded projects requiring domestic content. Availability depends on configuration; Compliance is configuration-dependent; consult factory for confirmation.

Labels: UL and cUL 1598 listed. Standard and HO lumen packages are approved for dry/damp location unless otherwise noted.

Fixture Weight: Maximum fixture weight is 10 lbs for a standard 4' fixture.

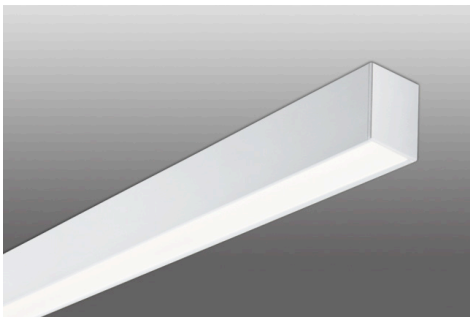
Warranty: EX LED offered with a 5-year limited warranty. Covers LED, driver and fixture.

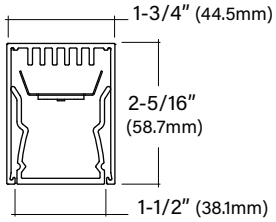
TYPE L10

PINNACLE ARCHITECTURAL LIGHTING®

Project Name _____

Date _____ Type _____





EDGE MINI

1" x 2" Suspended Direct Linear

Key Features

- Available with integral and remote driver options
- 6063-T5 Extruded aluminum housing
- Highly reflective die-formed white painted reflector
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed
- Approved for dry/damp location unless otherwise noted

Example Part #: EX12D-HE-N-830HO-26'-AC48G1-U-FSD-1-0-W

EX12D - [ ] - N - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

DIRECT SHIELDING | INDIRECT SHIELDING | CRI, CCT & OUTPUT | LENGTH OR PATTERN | MOUNTING | VOLTAGE | DRIVER | CIRCUITING | BATTERY & EMERGENCY | FINISH

__	N	______	____
DIRECT SHIELDING	**INDIRECT SHIELDING**	**SOURCE[1]**	**LENGTH OR PATTERN[2]**
A - Satine Lens **HE** - High Efficiency Lens **BW** - Batwing Insert **WHE** - Asymmetric Insert **HED** - Descent Lens **P** - Parabolic Louver *Shielding pg. 2*	**N** - None *Shielding pg. 2*	**_27__ -** 2700K **_30__ -** 3000K **_35__ -** 3500K **_40__ -** 4000K **CL_____ -** Custom Lumens **CW_____ -** Custom Watts **MOD** - Mod options available *Lumen Output pg. 2*	**__ -** Individual Fixture **__ -** Continuous Row 10' **S _ -** Square **R _ x _ -** Rectangle **L _ x _ -** L Shape **U _ x _ x _ -** U-Shape **T _ x _ -** T-Shape **X _ x _ -** X-Shape **MOD** - Mod options available *Length and Pattern pg. 3*

_____	_	___	_
MOUNTING[3]	**VOLTAGE**	**DRIVER**	**CIRCUITING**
AC_ _G_ - AC to Grid **AC_ _JB -** AC to J Box **AC_ _ST -** AC to Structure **WA -** Wall Mount **S -** Surface Mount **AC5_ _G_ -** 5" Non-Power Canopy **AC5_ _JB -** 5" Non-Power Canopy **SQ_ _G_ -** 5" Square Canopy **SQ_ _JB -** 5" Square Canopy *Mounting pg. 4*	**U -** Universal *(120 thru 277V)* **1 -** 120V **2 -** 277V **3 -** 347V *Voltage pg. 4*	*Integral Driver* **EL1 -** ERP Power *(1%, 0-10v, 120v or 277v)* *Remote Drivers* **FSD -** Factory Select Driver *(1%, 0-10v)* **PL2 -** Advance Xitanium *(1%, 0-10v)* **OL2 -** eldoLED *(1%, 0-10v)* **EE1 -** eldoLED ECOdrive *(1%, 0-10v)* **ES1 -** eldoLED SOLOdrive *(0.1%, 0-10v)* **LH1-** Lutron Hi-lume *(1%, EcoSystem)* *Driver pg. 4*	**1 -** Single Circuit **M -** Multi Circuit **E -** Emergency *(entire fixture)* **N -** Night Light *(entire fixture)* *Circuiting pg. 5*

___	__	__	
BATTERY & EMERGENCY[4]	**FINISH**	**FIXTURE OPTIONS[5]**	**CONTROLS**
0 - None **_FSB -** Factory Select Battery **_FSG -** Factory Select ALCR **_GI -** Iota ETS DR **_GB -** Bodine GTD **_ILL -** Iota 10w Integral **_PLL -** Bodine 10W *Battery and Emergency pg. 5*	**W -** White **S -** Metallic Silver **BL -** Textured Black **BR -** Bronze **GR -** Graphite **CC -** Custom Color *Finish pg. 5*	**BA -** Buy America(n) Act and/or Build America Buy America Compliant *Fixture Options pg. 6*	*Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.*

[1]When specifying CRI- CCT & OUTPUT the first _ is for specifying either **8** - 80CRI or **9** - 90CRI. The ending _ _ are for specifying output, example **HO** - High Output. See output charts for more information. [2]Individual fixtures come in 2', 3', 4', 5', 6', 7', & 8' lengths.Continuous row come in 1' increments. For Mod layouts Specify pattern shape and overall dimensions. Example: L6x4: L pattern that is 6'x4'. [3]Specify AC length standard AC is 48"; Specify grid: G1=15/16", G9=9/16", GS=Screw Slot; All EX12 fixtures require a remote driver. Distance from Remote Box to Fixture cannot exceed 10ft. Based on the size and application of the remote box, specify RB (Remote Box) or RC (Remote Canopy) at the end of the Mounting portion of the part number. See page 3 for details. [4]Enter quantity for Battery and Emergency, Example 2PLL. [5]Compliance is configuration dependent; consult factory for confirmation.

Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions.

PINNACLE ARCHITECTURAL LIGHTING®

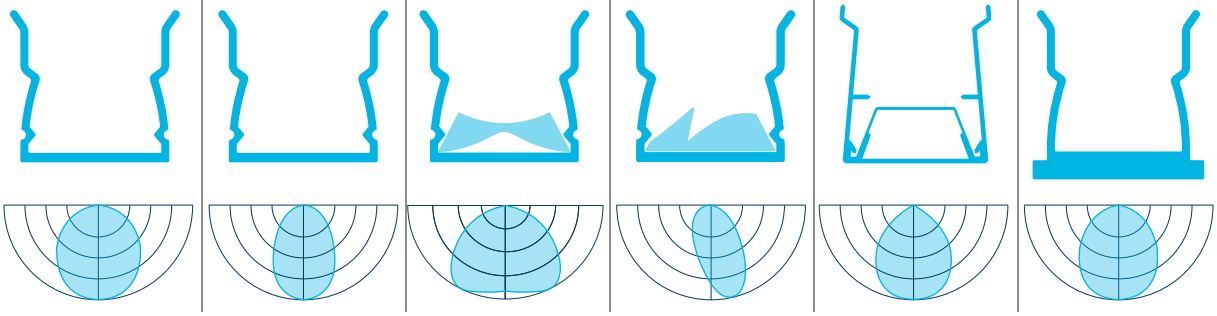
EDGE MINI

Suspended Direct Linear

Shielding

DIRECT

A	HE	BW	WHE	P	HED	INDIRECT
Satine Lens	High Efficiency Lens	Batwing Insert	Asymmetric Insert	Parabolic Louver *(only available to the foot)*	Descent Lens	**N** None



Output

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory.
- 90 CRI = R9≥50

Custom Output - Lumens OR Wattage

CL_ _ _ _ _	Specify CRI, CCT and desired lumens (i.e. CL835600)	*Specify lumens between standard offering listed below. Lumens are specified per color temp*
CW_ _ _ _ _	Specify CRI, CCT and desired wattage (i.e. CW9407)	*Specify lumens between standard offering listed below. Lumens are specified per color temp*

Direct 80 CRI

	Color	Lumens *per foot*	Shielding **A** Satine Lens		**HE** High Efficiency		**BW** Batwing		**WHE** Asymmetric		**P** Louver		**HED** Descent	
			LPW	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*
830	3000K	500	92	5.4	116	4.3	84	5.9	101	4.9	73	6.9	102	4.9
830HO	3000K	750	94	8.0	115	6.5	86	8.7	103	7.3	73	10.3	101	7.4
830VHO	3000K	1000	93	10.7	118	8.5	84	11.9	105	9.5	70	14.3	103	9.7
835	3500K	500	95	5.2	119	4.2	87	5.8	105	4.8	73	6.8	103	4.9
835HO	3500K	750	97	7.7	119	6.3	88	8.5	107	7.0	75	10.0	105	7.2
835VHO	3500K	1000	97	10.4	122	8.2	87	11.5	107	9.3	73	13.8	106	9.4
840	4000K	500	95	5.2	119	4.2	87	5.8	105	4.8	73	6.8	103	4.9
840HO	4000K	750	97	7.7	119	6.3	88	8.5	107	7.0	75	10.0	105	7.2
840VHO	4000K	1000	97	10.4	122	8.2	87	11.5	107	9.3	73	13.8	106	9.4

Direct 90 CRI

927	2700K	500	74	6.7	96	5.2	70	7.2	84	6.0	60	8.4	82	6.1
927HO	2700K	750	77	9.8	97	7.7	70	10.7	86	8.8	58	12.9	84	9.0
927VHO	2700K	1000	74	13.5	97	10.3	68	14.6	84	12.0	N/A		82	12.2
930	3000K	500	81	6.1	102	4.9	74	6.7	91	5.5	65	7.7	89	5.6
930HO	3000K	750	83	9.0	104	7.2	77	9.8	93	8.1	64	11.8	91	8.2
930VHO	3000K	1000	81	12.3	106	9.4	74	13.5	93	10.8	63	16.0	91	11.0
935	3500K	500	81	6.2	102	4.9	74	6.8	91	5.5	65	7.7	89	5.6
935HO	3500K	750	83	9.1	104	7.2	76	9.8	93	8.1	63	11.8	91	8.3
935VHO	3500K	1000	81	12.4	106	9.5	74	13.6	92	10.8	62	16.1	90	11.1
940	4000K	500	81	6.2	102	4.9	74	6.8	91	5.5	65	7.7	89	5.6
940HO	4000K	750	83	9.1	104	7.2	76	9.8	93	8.1	63	11.8	91	8.3
940VHO	4000K	1000	81	12.4	106	9.5	74	13.6	92	10.8	62	16.1	90	11.1

Direct Source: MOD Options

- Specify **MOD** in the part number for any of the below options
- All RGB_ Source Options will require specific driver and control
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD	TIR Optics

PINNACLE ARCHITECTURAL LIGHTING®

EDGE MINI

Suspended Direct Linear

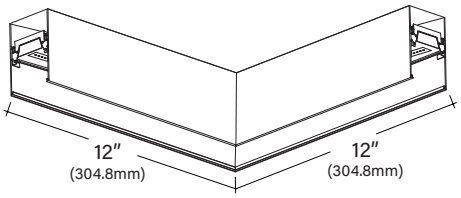
Length

- All individual units cannot be joined, end plates are factory installed and cannot be removed
- For Continuous Runs, 1/2" (12.7mm) to the overall length of the row to account for end caps
- For patterns, refer to Pattern section on next page
- P Shielding option only available to the foot

2	3	4	5	6	7	8	–
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run *Specify nominal overall row length to the 1'*

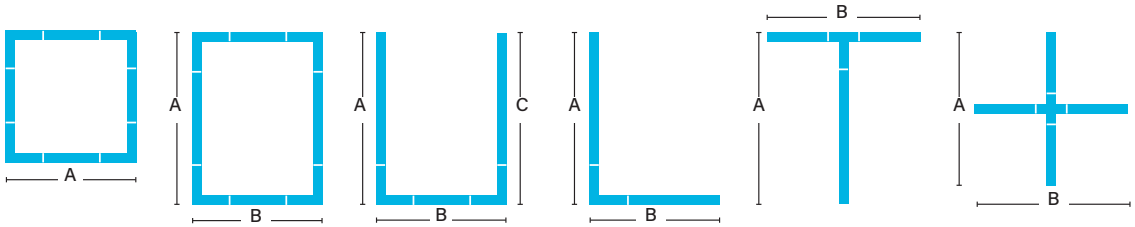
24" (609.6mm)
36" (914.4mm)
48" (1219.2mm)
60" (1524mm)
72" (1828.8mm)
84" (2133.6mm)
96" (2438.4mm)
Specify to the 1'

Pattern

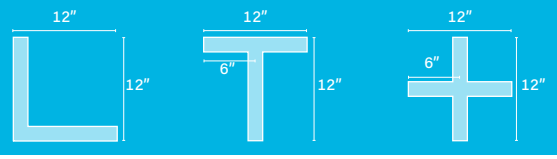


- Specify pattern shape and overall dimensions (includes corner dimensions)
- Refer to dimensions table below for available standard lengths
- All connectors are direct only
- 90 degree horizontal corners are 12"x12" (overall, outside dimension)
- Angles and shapes not shown require Mod Pattern; consult factory
- Only for HE Lens

S_	R_x_	U_x_x_	L_x_	T_x_	X_x_
Square *Provide A dimension* *Example:* **S4'** *Minimum Length-4'x4'*	Rectangle *Provide AxB dimensions* *Example:* **R4'x4'** *Minimum Length-4'x4'*	U-Shape *Provide AxBxC dimensions* *Example:* **U3'x4'x3'** *Minimum Length-3'x4'x3'*	L-Shape *Provide AxB dimensions* *Example:* **L3'x3'** *Minimum Length-3'x3'*	T-Shape *Provide AxB dimensions* *Example:* **T3'x5'** *Minimum Length-3'x5'*	X-Shape *Provide AxB dimensions* *Example:* **X5'x5'** *Minimum Length-5'x5'*



Horizontal Details: Every Connection is 12" x 12" in Overall Dimension



Length or Pattern: MOD Options

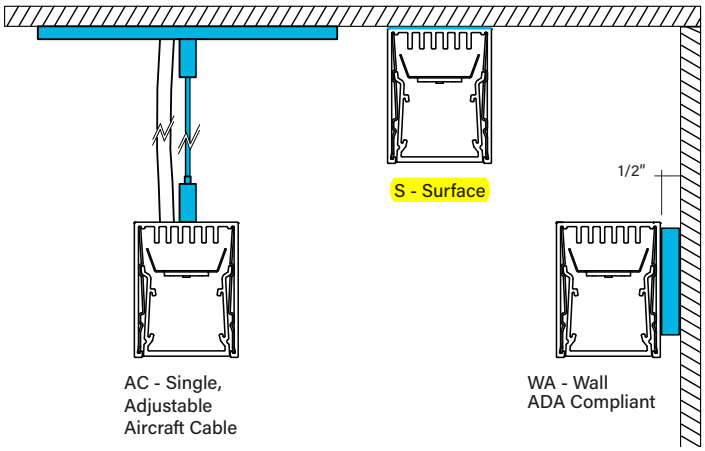
- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD	Specify MOD for patterns, lengths or angles not shown above
	Hubs Connectors

Mounting

- Specify cable length in ordering code (AC48G1)
- Standard specifiable lengths are 48", 120", 240" and 350"
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies
- Canopies are painted to match fixture finish, power cords are white or black depending on fixture finish. See Finish section for additional details
- Approved for dry/damp location unless otherwise noted, PAC NOT rated for dry/damp
- Refer to installation instructions during installation at the job site
- Maximum fixture weight is 20 lbs for a standard 4' fixture
- Remote box will be included for all specifications that include batteries, GTD, or a driver OTHER THAN the EL1. See Installation Instructions for more specific information about mounting

AC__G1	Aircraft Cable 1" (15/16") T-Bar
AC__G9	Aircraft Cable 9/16" T-Bar
AC__GS	Aircraft Cable Screw Slot T-Bar
AC__JB	Aircraft Cable Junction Box
AC__ST	Aircraft Cable Structure
AC5__G_	Aircraft Cable 5" (127mm) Non-Power Canopy
AC5__JB	Aircraft Cable 5" (127mm) Non-Power Canopy
SQ__G_	Aircraft Cable 5" (127mm) Square Canopy
SQ__JB	Aircraft Cable 5" (127mm) Square Canopy
WA	Wall Mount
S	Surface Mount



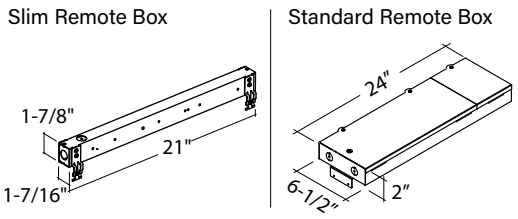
Voltage

- Some EX12 configurations will not accommodate all voltage options; consult with factory

U	Universal
1	120 volt
2	277 volt
3	347 volt

Driver

- Standard Driver Option = EL1
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options, see Pinnacle Resource Guide
- Some EX12D configurations will not accommodate all driver options; consult with factory
- EL1 driver is integral to the fixture housing. Remote box necessary for all drivers OTHER THAN the EL1 OR WITH BATTERY OPTION
- Osram and Lutron Drivers have a remote distance limitation of 10'
- eldoLED and Advance Drivers have an average remote distance limitation of 50'. Consult Factory for specific configurations



Integral Driver	
EL1	ERP Power 1%, 0-10v, requires 120 or 277

Remote Driver		Slim Remote Box	Standard Remote Box
0-10V Drivers			
FSD	Factory Select Driver (1%, 0-10v)	Standard Output (STD), High Output (HO)	Very High Output (VHO), 90CRI Options
PL2	Signify Advance Xitanium 1%, 0-10v		
PL4	Advance Xitanium 347v 1%, 0-10v, requires 347v		
OL2	eldoLED Optotronic, 1%, 0-10v		
OL4	eldoLED Optotronic 347v, 1% 0-10v, requires 347v option		
EE1	eldoLED ECOdrive 1%, 0-10v Logarithmic		
EE2	eldoLED ECOdrive 1%, 0-10v Linear		
ES1	eldoLED SOLOdrive 0-10v, 0.1% Logarithmic		
ES2	eldoLED SOLOdrive 0-10v, 0.1% Linear		
DALI Drivers			
EE3	eldoLED ECOdrive .1%, DALI (logarithmic)	Standard Output (STD), High Output (HO)	Very High Output (VHO), 90CRI Options
ES3	eldoLED SOLOdrive .1%, DALI (logarithmic)		
OD1	eldoLED Optotronic 1%, DEXAL		
Lutron Drivers			
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1	All Configurations	N/A
Alternate Drivers			
PS1	Signify Advance Xitanium Step Dimming 50/100%	All Configurations	N/A
EH1	ELV 120v only, 0-10v universal		

How to specify Circuiting, Battery and Emergency

1

- Select fixture circuiting from options below
- Some EX12D configurations will not accommodate all circuiting options, consult with factory

Circuiting

1	Single Circuit
M	Multi Circuit
E	Emergency Circuit only
N	Night Light Circuit only

2 + **3**

- Battery and emergency section options are available in addition to fixture circuit
- Select battery and emergency section options below; factory shop drawing required
- Some EX12D configurations will not accommodate all circuiting options, consult with factory

Battery and/or Emergency *If Required*

0	No battery or specific emergency section required

Battery

- Battery will be remote mounted with driver.
- Select battery section type if required, indicate total QTY. *Example 2PL*
- 90 minute battery runtime; test button is remote to fixture and requires an additional drop
- Battery not available for lengths under 4'
- Entire direct fixture housing is on battery for lengths up to 5'
- Half of direct fixture is on battery for 6', 7' or 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

0	No Battery
_FSB	Factory Select Battery *(10w option, remote in box)*
_FSBST	Factory Select Battery *(10w, Self Testing, remote in box)*
_PLL	Bodine 10w Integral *(remote in box)*
_ILL	Iota 10w Integral *(Self Testing, remote in box)*
_PRH	Bodine 20w *(remote with conduit)*
_IRH	Iota 20w *(remote with conduit)*

For Approximate Battery Lumen Output

- Multiply battery wattage X fixture LPW shown on Lumen Table
- 92.3 (LPW) x 10 (watts) = 923 battery lumen output

Emergency

- Select emergency section type if required, indicate total QTY. *Example 1E*
- Combine battery and emergency section ordering codes if both options are selected

_FSG	Factory Select ALCR, Emergency Control Device, UNV
_GI	Iota ETS-DR, Emergency Transfer Switch, UNV
_GB	Bodine GTD, Generator Transfer Device, 120v or 277v
_E	Emergency circuit section
_N	Night Light circuit section
_L	Life Safety circuit section NO THROUGH WIRE

Battery OR Emergency Ordering Examples

- Single circuit, 10w Integral Battery Ordering Code: 1-1PL
- Emergency only, 10w Integral Battery Ordering Code: E-1PLL
- Single circuit, GTD required Ordering Code: 1-1GB

Finish

- Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes
- Selecting a fixture finish other than white may impact lumen output; consult factory for more information

W	White *(white cord/white canopy)*
S	Metallic Silver *(white cord/silver canopy)*
BL	Textured Black *(black cord/black canopy)*
BR	Bronze *(white cord/bronze canopy)*
GR	Graphite *(white cord/graphite canopy)*
CC	Custom Color *(white cord/color match canopy)*

Fixture Options

- Domestic content option - compliance is configuration dependent; consult factory for conformation

BA	Buy America(n) Act and/or Build America Buy America Compliant

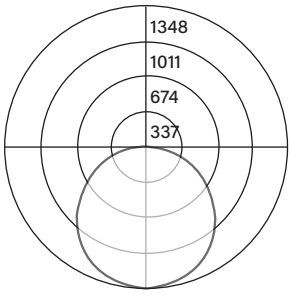
Controls

- Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.

Photometrics

High Efficiency Lens

Test #	Scaled from KPL2015-57
Catalog #	EX12D-A-840VHO-4
Lumens	3819
Watts	39.7
Efficacy	96 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1337	1337	1337	1337	1337
5	1325	1337	1328	1330	1329
10	1308	1320	1310	1312	1311
15	1279	1290	1280	1281	1280
20	1239	1249	1240	1240	1239
25	1189	1197	1189	1186	1186
30	1128	1136	1128	1123	1122
35	1059	1068	1057	1053	1052
40	983	986	978	972	970
45	899	899	892	883	881
50	806	805	796	789	769
55	704	705	696	687	685
60	599	597	590	580	581
65	491	488	477	470	470
70	375	373	365	359	357
75	258	258	250	247	245
80	153	150	146	143	145
85	66	64	61	59	58
90	0	0	0	0	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	28469	28277	27921
55	27516	27172	26738
65	26044	25293	24939
75	22355	21618	21227
85	17058	15632	14873

For all available IES files, please visit our website at pinnacle-ltg.com. Photometry testing in accordance to IESNA-LM-79-08 at an NVLAP accredited testing laboratory. Testing conducted at 25°C ambient conditions

Applications & Certificates

Construction: 6063-T5 Extruded aluminum housing. Highly reflective die-formed white painted reflector.

Shielding: Diffuse snap-in acrylic lens with matte finish, removable for maintenance.

Mounting: Aircraft cable, wall and surface mount available. The aircraft cable that mounts on 4'-0" (1219.2mm) and 8'-0" (2438.4mm) centers. Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies. Refer to installation instructions for appropriate ceiling detail. Canopies are painted white unless otherwise specified.

LED: 25°C test environment. Lumen output/wattage has a margin of +/- 5%; 2' or 3' lengths may have a greater wattage deviation. Luminaire configurations tested in accordance with IES LM-79. Diodes tested in accordance with IES LM-80. Lifetime calculated using IES TM-21. Minimum lifetime greater than 60,000 hours. Lifetime Projection L70 = 254,800 hours and L90 = 80,200 hours. MacAdam 3-Step Ellipses. For all available IES files, please visit our website at pinnacle-ltg.com.

CRI, CCT & Output: Not all lumen packages available. Three lumen packages available. Standard, High (HO) and Very High (VHO). Custom outputs are available. Specify custom lumens or watts between standard offering listed on CRI, CCT & Output page. 80 CRI is available for 3000K, 3500K, and 4000K. 90 CRI is available for 2700K, 3000K, 3500K and 4000K. 90 CRI = R9≥50.

Voltage: Universal (U), 120 volt (1), 277 volt (2) and 347 volt (3) options available. Must specify PL4 or OL4 in Driver section when 347 volt (3) is selected. Some EDGE configurations will not accommodate all voltage options; consult with factory.

Driver: Standard INTEGRAL Driver Option is EL1. All other driver options will be in remote box. EL1 designed for use with 120v or 277v only. Electronic driver, Power factor is >0.9 with a THD <20%. Driver Lifetime: 50,000 hours at 25°C ambient operating conditions. Ambient operating range: -20°F/-30°C to 128°F/54°C. When ND is specified, a spec grade driver will be provided. For more driver options, see Pinnacle Resource Guide. Some configurations will not accommodate all driver options.

Circuiting: Select from single circuit (1), Multi circuit (M), Emergency circuit (E) or Night Light circuit (N). For emergency circuiting situations that require no through wire or circuit separation, Life Safety Circuit should be selected. This will provide a separate power feed and only the Life Safety Circuit in that section. Some EX configurations will not accommodate all circuiting options; consult with factory.

Battery & Emergency: Select battery or emergency options if required. If battery or emergency option is not required, enter 0. Battery duration is 90 minutes as standard. Test button is remote to fixture. For more Battery options, see Pinnacle Resource Guide.

Finish: Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes. Canopies painted white unless specified differently in the options section of the part number. Contact factory for additional custom color and finish options.

Controls: Mod options available, consult with factory.

Buy America Act (BAA) and Build America, Buy America Act (BABA) Compliance: BAA and/or BABA compliance options are available to support federally funded projects requiring domestic content. Availability depends on configuration; Compliance is configuration-dependent; consult factory for confirmation.

Labels: UL and cUL 1598 listed. Standard and HO lumen packages are approved for dry/damp location unless otherwise noted.

Fixture Weight: Maximum fixture weight is 10 lbs for a standard 4' fixture.

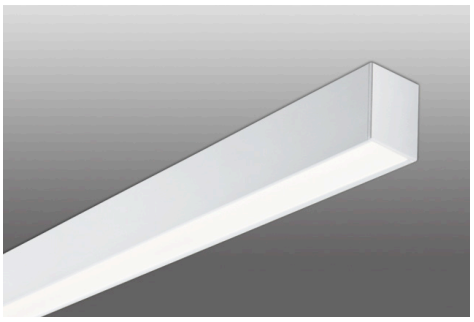
Warranty: EX LED offered with a 5-year limited warranty. Covers LED, driver and fixture.

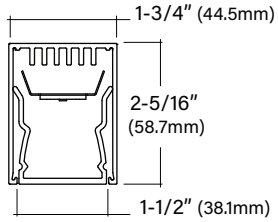
TYPE L16

PINNACLE ARCHITECTURAL LIGHTING®

Project Name _____

Date _____ Type _____





EDGE MINI

1" x 2" Suspended Direct Linear

Key Features

- Available with integral and remote driver options
- 6063-T5 Extruded aluminum housing
- Highly reflective die-formed white painted reflector
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed
- Approved for dry/damp location unless otherwise noted

Example Part #: EX12D-HE-N-830HO-26'-AC48G1-U-FSD-1-0-W

EX12D - [ ] - N - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

DIRECT SHIELDING | *INDIRECT SHIELDING* | *CRI, CCT & OUTPUT* | *LENGTH OR PATTERN* | *MOUNTING* | *VOLTAGE* | *DRIVER* | *CIRCUITING* | *BATTERY & EMERGENCY* | *FINISH*

__	N	______	____
DIRECT SHIELDING	**INDIRECT SHIELDING**	**SOURCE[1]**	**LENGTH OR PATTERN[2]**
A - Satine Lens **HE** - High Efficiency Lens **BW** - Batwing Insert **WHE** - Asymmetric Insert **HED** - Descent Lens **P** - Parabolic Louver *Shielding pg. 2*	**N** - None *Shielding pg. 2*	**_27__ -** 2700K **_30__ -** 3000K **_35__ -** 3500K **_40__ -** 4000K **CL_____ -** Custom Lumens **CW_____ -** Custom Watts **MOD** - Mod options available *Lumen Output pg. 2*	**__ -** Individual Fixture **__ -** Continuous Row 16' **S _ -** Square **R _ x _ -** Rectangle **L _ x _ -** L Shape **U _ x _ x _ -** U-Shape **T _ x _ -** T-Shape **X _ x _ -** X-Shape **MOD** - Mod options available *Length and Pattern pg. 3*

_____	_	___	_
MOUNTING[3]	**VOLTAGE**	**DRIVER**	**CIRCUITING**
AC_ _G_ - AC to Grid **AC_ _JB -** AC to J Box **AC_ _ST -** AC to Structure **WA -** Wall Mount **S -** Surface Mount **AC5_ _G_ -** 5" Non-Power Canopy **AC5_ _JB -** 5" Non-Power Canopy **SQ_ _G_ -** 5" Square Canopy **SQ_ _JB -** 5" Square Canopy *Mounting pg. 4*	**U -** Universal *(120 thru 277V)* **1 -** 120V **2 -** 277V **3 -** 347V *Voltage pg. 4*	*Integral Driver* **EL1 -** ERP Power *(1%, 0-10v, 120v or 277v)* *Remote Drivers* **FSD -** Factory Select Driver *(1%, 0-10v)* **PL2 -** Advance Xitanium *(1%, 0-10v)* **OL2 -** eldoLED *(1%, 0-10v)* **EE1 -** eldoLED ECOdrive *(1%, 0-10v)* **ES1 -** eldoLED SOLOdrive *(0.1%, 0-10v)* **LH1-** Lutron Hi-lume *(1%, EcoSystem)* *Driver pg. 4*	**1 -** Single Circuit **M -** Multi Circuit **E -** Emergency *(entire fixture)* **N -** Night Light *(entire fixture)* *Circuiting pg. 5*

___	__	__	
BATTERY & EMERGENCY[4]	**FINISH**	**FIXTURE OPTIONS[5]**	**CONTROLS**
0 - None **_FSB** - Factory Select Battery **_FSG -** Factory Select ALCR **_GI** - Iota ETS DR **_GB** - Bodine GTD **_ILL -** Iota 10w Integral **_PLL -** Bodine 10W *Battery and Emergency pg. 5*	**W -** White **S -** Metallic Silver **BL -** Textured Black **BR -** Bronze **GR -** Graphite **CC -** Custom Color *Finish pg. 5*	**BA -** Buy America(n) Act and/or Build America Buy America Compliant *Fixture Options pg. 6*	*Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.*

[1]When specifying CRI- CCT & OUTPUT the first _ is for specifying either **8** - 80CRI or **9** - 90CRI. The ending _ _ are for specifying output, example **HO** - High Output. See output charts for more information. [2]Individual fixtures come in 2', 3', 4', 5', 6', 7', & 8' lengths.Continuous row come in 1' increments. For Mod layouts Specify pattern shape and overall dimensions. Example: L6x4: L pattern that is 6'x4'. [3]Specify AC length standard AC is 48"; Specify grid: G1=15/16", G9=9/16", GS=Screw Slot; All EX12 fixtures require a remote driver. Distance from Remote Box to Fixture cannot exceed 10ft. Based on the size and application of the remote box, specify RB (Remote Box) or RC (Remote Canopy) at the end of the Mounting portion of the part number. See page 3 for details. [4]Enter quantity for Battery and Emergency, Example 2PLL. [5]Compliance is configuration dependent; consult factory for confirmation.

Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions.

PINNACLE ARCHITECTURAL LIGHTING®

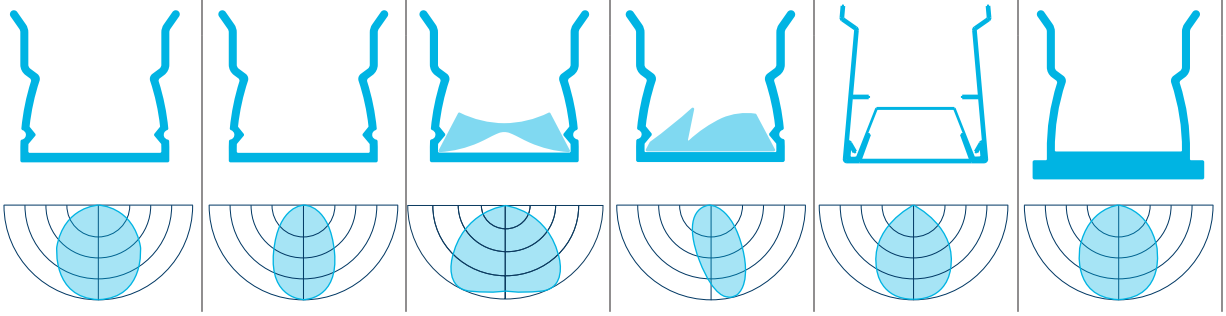
EDGE MINI

Suspended Direct Linear

Shielding

DIRECT

A	HE	BW	WHE	P	HED	INDIRECT
Satine Lens	High Efficiency Lens	Batwing Insert	Asymmetric Insert	Parabolic Louver *(only available to the foot)*	Descent Lens	**N** None



Output

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory.
- 90 CRI = R9≥50

Custom Output - Lumens OR Wattage

CL_ _ _ _ _	Specify CRI, CCT and desired lumens (i.e. CL835600)	*Specify lumens between standard offering listed below. Lumens are specified per color temp*
CW_ _ _ _ _	Specify CRI, CCT and desired wattage (i.e. CW9407)	*Specify lumens between standard offering listed below. Lumens are specified per color temp*

Direct 80 CRI

	Color	Lumens *per foot*	Shielding **A** Satine Lens		**HE** High Efficiency		**BW** Batwing		**WHE** Asymmetric		**P** Louver		**HED** Descent	
			LPW	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*
830	3000K	500	92	5.4	116	4.3	84	5.9	101	4.9	73	6.9	102	4.9
830HO	3000K	750	94	8.0	115	6.5	86	8.7	103	7.3	73	10.3	101	7.4
830VHO	3000K	1000	93	10.7	118	8.5	84	11.9	105	9.5	70	14.3	103	9.7
835	3500K	500	95	5.2	119	4.2	87	5.8	105	4.8	73	6.8	103	4.9
835HO	3500K	750	97	7.7	119	6.3	88	8.5	107	7.0	75	10.0	105	7.2
835VHO	3500K	1000	97	10.4	122	8.2	87	11.5	107	9.3	73	13.8	106	9.4
840	4000K	500	95	5.2	119	4.2	87	5.8	105	4.8	73	6.8	103	4.9
840HO	4000K	750	97	7.7	119	6.3	88	8.5	107	7.0	75	10.0	105	7.2
840VHO	4000K	1000	97	10.4	122	8.2	87	11.5	107	9.3	73	13.8	106	9.4

Direct 90 CRI

927	2700K	500	74	6.7	96	5.2	70	7.2	84	6.0	60	8.4	82	6.1
927HO	2700K	750	77	9.8	97	7.7	70	10.7	86	8.8	58	12.9	84	9.0
927VHO	2700K	1000	74	13.5	97	10.3	68	14.6	84	12.0	N/A		82	12.2
930	3000K	500	81	6.1	102	4.9	74	6.7	91	5.5	65	7.7	89	5.6
930HO	3000K	750	83	9.0	104	7.2	77	9.8	93	8.1	64	11.8	91	8.2
930VHO	3000K	1000	81	12.3	106	9.4	74	13.5	93	10.8	63	16.0	91	11.0
935	3500K	500	81	6.2	102	4.9	74	6.8	91	5.5	65	7.7	89	5.6
935HO	3500K	750	83	9.1	104	7.2	76	9.8	93	8.1	63	11.8	91	8.3
935VHO	3500K	1000	81	12.4	106	9.5	74	13.6	92	10.8	62	16.1	90	11.1
940	4000K	500	81	6.2	102	4.9	74	6.8	91	5.5	65	7.7	89	5.6
940HO	4000K	750	83	9.1	104	7.2	76	9.8	93	8.1	63	11.8	91	8.3
940VHO	4000K	1000	81	12.4	106	9.5	74	13.6	92	10.8	62	16.1	90	11.1

Direct Source: MOD Options

- Specify **MOD** in the part number for any of the below options
- All RGB_ Source Options will require specific driver and control
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD	TIR Optics

PINNACLE ARCHITECTURAL LIGHTING®

EDGE MINI

Suspended Direct Linear

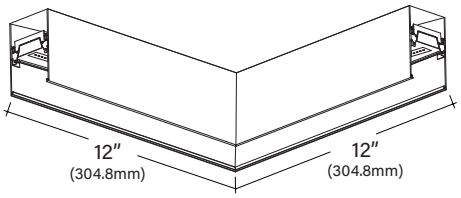
Length

- All individual units cannot be joined, end plates are factory installed and cannot be removed
- For Continuous Runs, 1/2" (12.7mm) to the overall length of the row to account for end caps
- For patterns, refer to Pattern section on next page
- P Shielding option only available to the foot

2	3	4	5	6	7	8	–
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run *Specify nominal overall row length to the 1'*

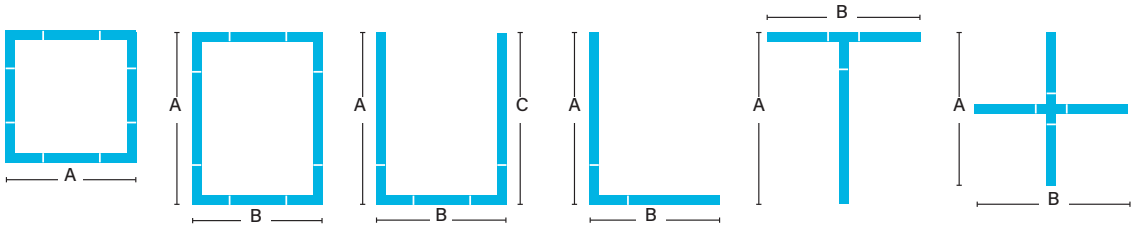
24" (609.6mm)
36" (914.4mm)
48" (1219.2mm)
60" (1524mm)
72" (1828.8mm)
84" (2133.6mm)
96" (2438.4mm)
Specify to the 1'

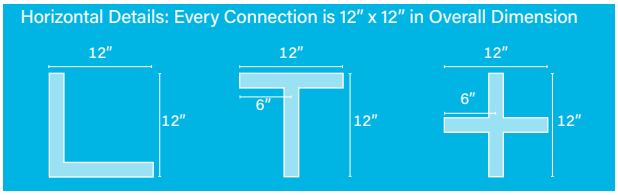
Pattern



- Specify pattern shape and overall dimensions (includes corner dimensions)
- Refer to dimensions table below for available standard lengths
- All connectors are direct only
- 90 degree horizontal corners are 12"x12" (overall, outside dimension)
- Angles and shapes not shown require Mod Pattern; consult factory
- Only for HE Lens

S_	R_x_	U_x_x_	L_x_	T_x_	X_x_
Square *Provide A dimension* *Example:* **S4'** *Minimum Length-4'x4'*	Rectangle *Provide AxB dimensions* *Example:* **R4'x4'** *Minimum Length-4'x4'*	U-Shape *Provide AxBxC dimensions* *Example:* **U3'x4'x3'** *Minimum Length-3'x4'x3'*	L-Shape *Provide AxB dimensions* *Example:* **L3'x3'** *Minimum Length-3'x3'*	T-Shape *Provide AxB dimensions* *Example:* **T3'x5'** *Minimum Length-3'x5'*	X-Shape *Provide AxB dimensions* *Example:* **X5'x5'** *Minimum Length-5'x5'*





Length or Pattern: MOD Options

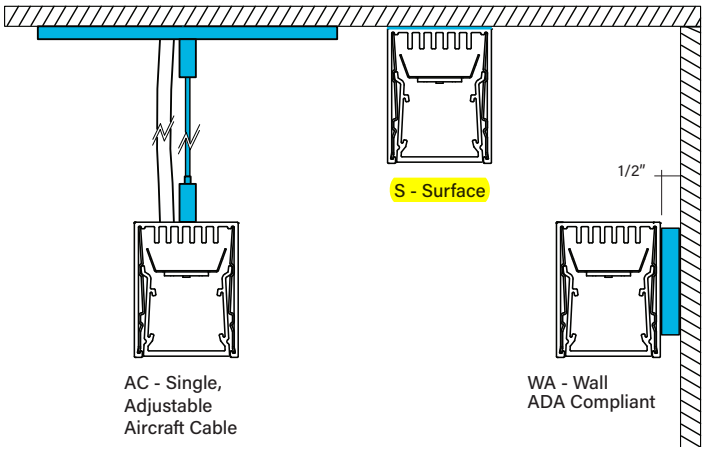
- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD	Specify MOD for patterns, lengths or angles not shown above
	Hubs Connectors

Mounting

- Specify cable length in ordering code (AC48G1)
- Standard specifiable lengths are 48", 120", 240" and 350"
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies
- Canopies are painted to match fixture finish, power cords are white or black depending on fixture finish. See Finish section for additional details
- Approved for dry/damp location unless otherwise noted, PAC NOT rated for dry/damp
- Refer to installation instructions during installation at the job site
- Maximum fixture weight is 20 lbs for a standard 4' fixture
- Remote box will be included for all specifications that include batteries, GTD, or a driver OTHER THAN the EL1. See Installation Instructions for more specific information about mounting

AC__G1	Aircraft Cable 1" (15/16") T-Bar
AC__G9	Aircraft Cable 9/16" T-Bar
AC__GS	Aircraft Cable Screw Slot T-Bar
AC__JB	Aircraft Cable Junction Box
AC__ST	Aircraft Cable Structure
AC5__G_	Aircraft Cable 5" (127mm) Non-Power Canopy
AC5__JB	Aircraft Cable 5" (127mm) Non-Power Canopy
SQ__G_	Aircraft Cable 5" (127mm) Square Canopy
SQ__JB	Aircraft Cable 5" (127mm) Square Canopy
WA	Wall Mount
S	Surface Mount



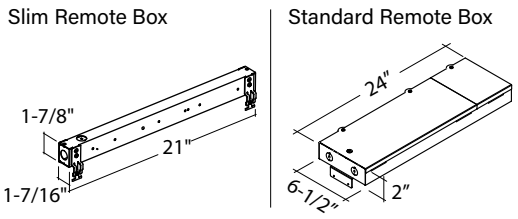
Voltage

- Some EX12 configurations will not accommodate all voltage options; consult with factory

U	Universal
1	120 volt
2	277 volt
3	347 volt

Driver

- Standard Driver Option = EL1
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options, see Pinnacle Resource Guide
- Some EX12D configurations will not accommodate all driver options; consult with factory
- EL1 driver is integral to the fixture housing. Remote box necessary for all drivers OTHER THAN the EL1 OR WITH BATTERY OPTION
- Osram and Lutron Drivers have a remote distance limitation of 10'
- eldoLED and Advance Drivers have an average remote distance limitation of 50'. Consult Factory for specific configurations



Integral Driver	
EL1	ERP Power 1%, 0-10v, requires 120 or 277

Remote Driver		Slim Remote Box	Standard Remote Box
0-10V Drivers			
FSD	Factory Select Driver (1%, 0-10v)	Standard Output (STD), High Output (HO)	Very High Output (VHO), 90CRI Options
PL2	Signify Advance Xitanium 1%, 0-10v		
PL4	Advance Xitanium 347v 1%, 0-10v, requires 347v		
OL2	eldoLED Optotronic, 1%, 0-10v		
OL4	eldoLED Optotronic 347v, 1% 0-10v, requires 347v option		
EE1	eldoLED ECOdrive 1%, 0-10v Logarithmic		
EE2	eldoLED ECOdrive 1%, 0-10v Linear		
ES1	eldoLED SOLOdrive 0-10v, 0.1% Logarithmic		
ES2	eldoLED SOLOdrive 0-10v, 0.1% Linear		
DALI Drivers			
EE3	eldoLED ECOdrive .1%, DALI (logarithmic)	Standard Output (STD), High Output (HO)	Very High Output (VHO), 90CRI Options
ES3	eldoLED SOLOdrive .1%, DALI (logarithmic)		
OD1	eldoLED Optotronic 1%, DEXAL		
Lutron Drivers			
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1	All Configurations	N/A
Alternate Drivers			
PS1	Signify Advance Xitanium Step Dimming 50/100%	All Configurations	N/A
EH1	ELV 120v only, 0-10v universal		

How to specify Circuiting, Battery and Emergency

1

- Select fixture circuiting from options below
- Some EX12D configurations will not accommodate all circuiting options, consult with factory

Circuiting

1	Single Circuit
M	Multi Circuit
E	Emergency Circuit only
N	Night Light Circuit only

2 + **3**

- Battery and emergency section options are available in addition to fixture circuit
- Select battery and emergency section options below; factory shop drawing required
- Some EX12D configurations will not accommodate all circuiting options, consult with factory

Battery and/or Emergency *If Required*

0	No battery or specific emergency section required

Battery

- Battery will be remote mounted with driver.
- Select battery section type if required, indicate total QTY. *Example 2PL*
- 90 minute battery runtime; test button is remote to fixture and requires an additional drop
- Battery not available for lengths under 4'
- Entire direct fixture housing is on battery for lengths up to 5'
- Half of direct fixture is on battery for 6', 7' or 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

0	No Battery
_FSB	Factory Select Battery *(10w option, remote in box)*
_FSBST	Factory Select Battery *(10w, Self Testing, remote in box)*
_PLL	Bodine 10w Integral *(remote in box)*
_ILL	Iota 10w Integral *(Self Testing, remote in box)*
_PRH	Bodine 20w *(remote with conduit)*
_IRH	Iota 20w *(remote with conduit)*

For Approximate Battery Lumen Output

- Multiply battery wattage X fixture LPW shown on Lumen Table
- 92.3 (LPW) x 10 (watts) = 923 battery lumen output

Emergency

- Select emergency section type if required, indicate total QTY. *Example 1E*
- Combine battery and emergency section ordering codes if both options are selected

_FSG	Factory Select ALCR, Emergency Control Device, UNV
_GI	Iota ETS-DR, Emergency Transfer Switch, UNV
_GB	Bodine GTD, Generator Transfer Device, 120v or 277v
_E	Emergency circuit section
_N	Night Light circuit section
_L	Life Safety circuit section NO THROUGH WIRE

Battery OR Emergency Ordering Examples

- Single circuit, 10w Integral Battery Ordering Code: 1-1PL
- Emergency only, 10w Integral Battery Ordering Code: E-1PLL
- Single circuit, GTD required Ordering Code: 1-1GB

Finish

- Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes
- Selecting a fixture finish other than white may impact lumen output; consult factory for more information

W	White *(white cord/white canopy)*
S	Metallic Silver *(white cord/silver canopy)*
BL	Textured Black *(black cord/black canopy)*
BR	Bronze *(white cord/bronze canopy)*
GR	Graphite *(white cord/graphite canopy)*
CC	Custom Color *(white cord/color match canopy)*

Fixture Options

- Domestic content option - compliance is configuration dependent; consult factory for conformation

BA	Buy America(n) Act and/or Build America Buy America Compliant

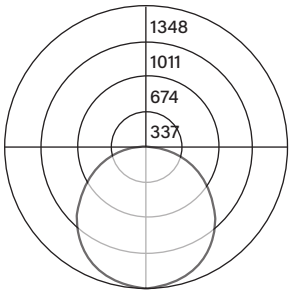
Controls

- Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.

Photometrics

High Efficiency Lens

Test #	Scaled from KPL2015-57
Catalog #	EX12D-A-840VHO-4
Lumens	3819
Watts	39.7
Efficacy	96 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1337	1337	1337	1337	1337
5	1325	1337	1328	1330	1329
10	1308	1320	1310	1312	1311
15	1279	1290	1280	1281	1280
20	1239	1249	1240	1240	1239
25	1189	1197	1189	1186	1186
30	1128	1136	1128	1123	1122
35	1059	1068	1057	1053	1052
40	983	986	978	972	970
45	899	899	892	883	881
50	806	805	796	789	769
55	704	705	696	687	685
60	599	597	590	580	581
65	491	488	477	470	470
70	375	373	365	359	357
75	258	258	250	247	245
80	153	150	146	143	145
85	66	64	61	59	58
90	0	0	0	0	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	28469	28277	27921
55	27516	27172	26738
65	26044	25293	24939
75	22355	21618	21227
85	17058	15632	14873

For all available IES files, please visit our website at pinnacle-ltg.com. Photometry testing in accordance to IESNA-LM-79-08 at an NVLAP accredited testing laboratory. Testing conducted at 25°C ambient conditions

Applications & Certificates

Construction: 6063-T5 Extruded aluminum housing. Highly reflective die-formed white painted reflector.

Shielding: Diffuse snap-in acrylic lens with matte finish, removable for maintenance.

Mounting: Aircraft cable, wall and surface mount available. The aircraft cable that mounts on 4'-0" (1219.2mm) and 8'-0" (2438.4mm) centers. Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies. Refer to installation instructions for appropriate ceiling detail. Canopies are painted white unless otherwise specified.

LED: 25°C test environment. Lumen output/wattage has a margin of +/- 5%; 2' or 3' lengths may have a greater wattage deviation. Luminaire configurations tested in accordance with IES LM-79. Diodes tested in accordance with IES LM-80. Lifetime calculated using IES TM-21. Minimum lifetime greater than 60,000 hours. Lifetime Projection L70 = 254,800 hours and L90 = 80,200 hours. MacAdam 3-Step Ellipses. For all available IES files, please visit our website at pinnacle-ltg.com.

CRI, CCT & Output: Not all lumen packages available. Three lumen packages available. Standard, High (HO) and Very High (VHO). Custom outputs are available. Specify custom lumens or watts between standard offering listed on CRI, CCT & Output page. 80 CRI is available for 3000K, 3500K, and 4000K. 90 CRI is available for 2700K, 3000K, 3500K and 4000K. 90 CRI = R9≥50.

Voltage: Universal (U), 120 volt (1), 277 volt (2) and 347 volt (3) options available. Must specify PL4 or OL4 in Driver section when 347 volt (3) is selected. Some EDGE configurations will not accommodate all voltage options; consult with factory.

Driver: Standard INTEGRAL Driver Option is EL1. All other driver options will be in remote box. EL1 designed for use with 120v or 277v only. Electronic driver, Power factor is >0.9 with a THD <20%. Driver Lifetime: 50,000 hours at 25°C ambient operating conditions. Ambient operating range: -20°F/-30°C to 128°F/54°C. When ND is specified, a spec grade driver will be provided. For more driver options, see Pinnacle Resource Guide. Some configurations will not accommodate all driver options.

Circuiting: Select from single circuit (1), Multi circuit (M), Emergency circuit (E) or Night Light circuit (N). For emergency circuiting situations that require no through wire or circuit separation, Life Safety Circuit should be selected. This will provide a separate power feed and only the Life Safety Circuit in that section. Some EX configurations will not accommodate all circuiting options; consult with factory.

Battery & Emergency: Select battery or emergency options if required. If battery or emergency option is not required, enter 0. Battery duration is 90 minutes as standard. Test button is remote to fixture. For more Battery options, see Pinnacle Resource Guide.

Finish: Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes. Canopies painted white unless specified differently in the options section of the part number. Contact factory for additional custom color and finish options.

Controls: Mod options available, consult with factory.

Buy America Act (BAA) and Build America, Buy America Act (BABA) Compliance: BAA and/or BABA compliance options are available to support federally funded projects requiring domestic content. Availability depends on configuration; Compliance is configuration-dependent; consult factory for confirmation.

Labels: UL and cUL 1598 listed. Standard and HO lumen packages are approved for dry/damp location unless otherwise noted.

Fixture Weight: Maximum fixture weight is 10 lbs for a standard 4' fixture.

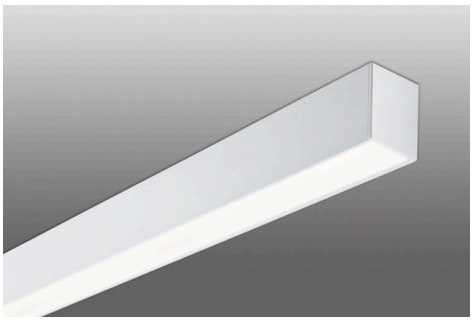
Warranty: EX LED offered with a 5-year limited warranty. Covers LED, driver and fixture.

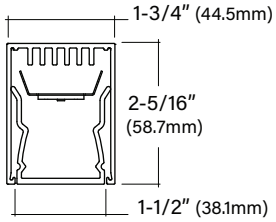
TYPE L20

PINNACLE ARCHITECTURAL LIGHTING®

Project Name _____

Date _____ Type _____





EDGE MINI

1" x 2" Suspended Direct Linear

Key Features

- Available with integral and remote driver options
- 6063-T5 Extruded aluminum housing
- Highly reflective die-formed white painted reflector
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed
- Approved for dry/damp location unless otherwise noted

Example Part #: EX12D-HE-N-830HO-26'-AC48G1-U-FSD-1-0-W

EX12D - [ ] **- N -** [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

DIRECT SHIELDING | *INDIRECT SHIELDING* | *CRI, CCT & OUTPUT* | *LENGTH OR PATTERN* | *MOUNTING* | *VOLTAGE* | *DRIVER* | *CIRCUITING* | *BATTERY & EMERGENCY* | *FINISH*

__	N	______	____
DIRECT SHIELDING	**INDIRECT SHIELDING**	**SOURCE[1]**	**LENGTH OR PATTERN[2]**
A - Satine Lens **HE** - High Efficiency Lens **BW** - Batwing Insert **WHE** - Asymmetric Insert **HED** - Descent Lens **P** - Parabolic Louver *Shielding pg. 2*	**N** - None *Shielding pg. 2*	**_27_ _ -** 2700K **_30_ _ -** 3000K **_35_ _ -** 3500K **_40_ _ -** 4000K **CL_ _ _ _ _ _ -** Custom Lumens **CW_ _ _ _ _ _ -** Custom Watts **MOD** - Mod options available *Lumen Output pg. 2*	**_ _ -** Individual Fixture **_ _ -** Continuous Row 20' **S _ -** Square **R _ x _ -** Rectangle **L _ x _ -** L Shape **U _ x _ x _ -** U-Shape **T _ x _ -** T-Shape **X _ x _ -** X-Shape **MOD** - Mod options available *Length and Pattern pg. 3*

_ _ _ _ _ _ _ _	_	_ _ _	_
MOUNTING[3]	**VOLTAGE**	**DRIVER**	**CIRCUITING**
AC_ _G_ - AC to Grid **AC_ _JB -** AC to J Box **AC_ _ST -** AC to Structure **WA -** Wall Mount **S -** Surface Mount **AC5_ _G_ -** 5" Non-Power Canopy **AC5_ _JB -** 5" Non-Power Canopy **SQ_ _G_ -** 5" Square Canopy **SQ_ _JB -** 5" Square Canopy *Mounting pg. 4*	**U -** Universal *(120 thru 277V)* **1 -** 120V **2 -** 277V **3 -** 347V *Voltage pg. 4*	*Integral Driver* **EL1 -** ERP Power *(1%, 0-10v, 120v or 277v)* *Remote Drivers* **FSD -** Factory Select Driver *(1%, 0-10v)* **PL2 -** Advance Xitanium *(1%, 0-10v)* **OL2 -** eldoLED *(1%, 0-10v)* **EE1 -** eldoLED ECOdrive *(1%, 0-10v)* **ES1 -** eldoLED SOLOdrive *(0.1%, 0-10v)* **LH1-** Lutron Hi-lume *(1%, EcoSystem)* *Driver pg. 4*	**1 -** Single Circuit **M -** Multi Circuit **E -** Emergency *(entire fixture)* **N -** Night Light *(entire fixture)* *Circuiting pg. 5*

_ _ _	_ _	_ _	
BATTERY & EMERGENCY[4]	**FINISH**	**FIXTURE OPTIONS[5]**	**CONTROLS**
0 - None **_FSB** - Factory Select Battery **_FSG -** Factory Select ALCR **_GI** - Iota ETS DR **_GB** - Bodine GTD **_ILL -** Iota 10w Integral **_PLL -** Bodine 10W *Battery and Emergency pg. 5*	**W -** White **S -** Metallic Silver **BL -** Textured Black **BR -** Bronze **GR -** Graphite **CC -** Custom Color *Finish pg. 5*	**BA -** Buy America(n) Act and/or Build America Buy America Compliant *Fixture Options pg. 6*	*Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.*

[1]When specifying CRI- CCT & OUTPUT the first _ is for specifying either **8** - 80CRI or **9** - 90CRI. The ending _ _ are for specifying output, example **HO** - High Output. See output charts for more information. [2]Individual fixtures come in 2', 3', 4', 5', 6', 7', & 8' lengths.Continuous row come in 1' increments. For Mod layouts Specify pattern shape and overall dimensions. Example: L6x4: L pattern that is 6'x4'. [3]Specify AC length standard AC is 48"; Specify grid: G1=15/16", G9=9/16", GS=Screw Slot; All EX12 fixtures require a remote driver. Distance from Remote Box to Fixture cannot exceed 10ft. Based on the size and application of the remote box, specify RB (Remote Box) or RC (Remote Canopy) at the end of the Mounting portion of the part number. See page 3 for details. [4]Enter quantity for Battery and Emergency, Example 2PLL. [5]Compliance is configuration dependent; consult factory for confirmation.

Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions.

PINNACLE ARCHITECTURAL LIGHTING®

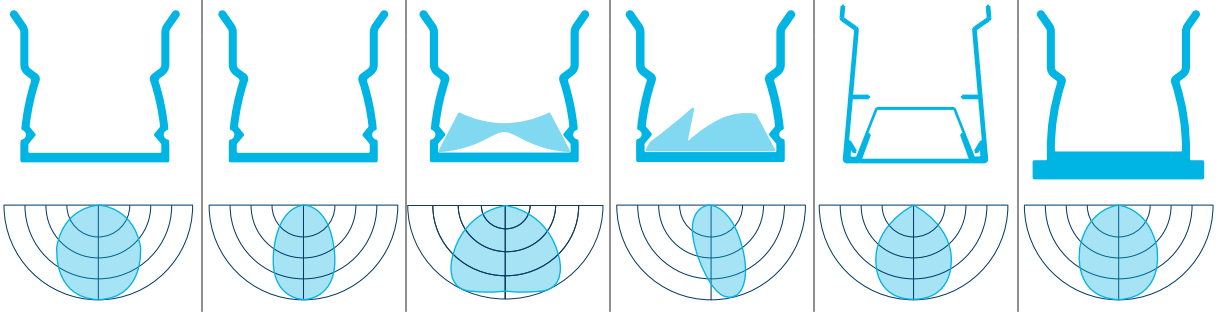
EDGE MINI

Suspended Direct Linear

Shielding

DIRECT

A	HE	BW	WHE	P	HED	INDIRECT
Satine Lens	High Efficiency Lens	Batwing Insert	Asymmetric Insert	Parabolic Louver *(only available to the foot)*	Descent Lens	**N** None



Output

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory.
- 90 CRI = R9≥50

Custom Output - Lumens OR Wattage

CL_ _ _ _ _	Specify CRI, CCT and desired lumens (i.e. CL835600)	*Specify lumens between standard offering listed below. Lumens are specified per color temp*
CW_ _ _ _ _	Specify CRI, CCT and desired wattage (i.e. CW9407)	*Specify lumens between standard offering listed below. Lumens are specified per color temp*

Direct 80 CRI

	Color	Lumens *per foot*	Shielding **A** Satine Lens		**HE** High Efficiency		**BW** Batwing		**WHE** Asymmetric		**P** Louver		**HED** Descent	
			LPW	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*	*LPW*	*Watts/ft*
830	3000K	500	92	5.4	116	4.3	84	5.9	101	4.9	73	6.9	102	4.9
830HO	3000K	750	94	8.0	115	6.5	86	8.7	103	7.3	73	10.3	101	7.4
830VHO	3000K	1000	93	10.7	118	8.5	84	11.9	105	9.5	70	14.3	103	9.7
835	3500K	500	95	5.2	119	4.2	87	5.8	105	4.8	73	6.8	103	4.9
835HO	3500K	750	97	7.7	119	6.3	88	8.5	107	7.0	75	10.0	105	7.2
835VHO	3500K	1000	97	10.4	122	8.2	87	11.5	107	9.3	73	13.8	106	9.4
840	4000K	500	95	5.2	119	4.2	87	5.8	105	4.8	73	6.8	103	4.9
840HO	4000K	750	97	7.7	119	6.3	88	8.5	107	7.0	75	10.0	105	7.2
840VHO	4000K	1000	97	10.4	122	8.2	87	11.5	107	9.3	73	13.8	106	9.4

Direct 90 CRI

927	2700K	500	74	6.7	96	5.2	70	7.2	84	6.0	60	8.4	82	6.1
927HO	2700K	750	77	9.8	97	7.7	70	10.7	86	8.8	58	12.9	84	9.0
927VHO	2700K	1000	74	13.5	97	10.3	68	14.6	84	12.0	N/A		82	12.2
930	3000K	500	81	6.1	102	4.9	74	6.7	91	5.5	65	7.7	89	5.6
930HO	3000K	750	83	9.0	104	7.2	77	9.8	93	8.1	64	11.8	91	8.2
930VHO	3000K	1000	81	12.3	106	9.4	74	13.5	93	10.8	63	16.0	91	11.0
935	3500K	500	81	6.2	102	4.9	74	6.8	91	5.5	65	7.7	89	5.6
935HO	3500K	750	83	9.1	104	7.2	76	9.8	93	8.1	63	11.8	91	8.3
935VHO	3500K	1000	81	12.4	106	9.5	74	13.6	92	10.8	62	16.1	90	11.1
940	4000K	500	81	6.2	102	4.9	74	6.8	91	5.5	65	7.7	89	5.6
940HO	4000K	750	83	9.1	104	7.2	76	9.8	93	8.1	63	11.8	91	8.3
940VHO	4000K	1000	81	12.4	106	9.5	74	13.6	92	10.8	62	16.1	90	11.1

Direct Source: MOD Options

- Specify **MOD** in the part number for any of the below options
- All RGB_ Source Options will require specific driver and control
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD	TIR Optics

PINNACLE ARCHITECTURAL LIGHTING®

EDGE MINI

Suspended Direct Linear

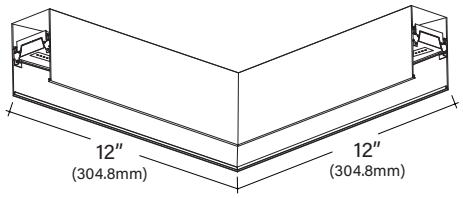
Length

- All individual units cannot be joined, end plates are factory installed and cannot be removed
- For Continuous Runs, 1/2" (12.7mm) to the overall length of the row to account for end caps
- For patterns, refer to Pattern section on next page
- P Shielding option only available to the foot

2	3	4	5	6	7	8	_
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run *Specify nominal overall row length to the 1'*

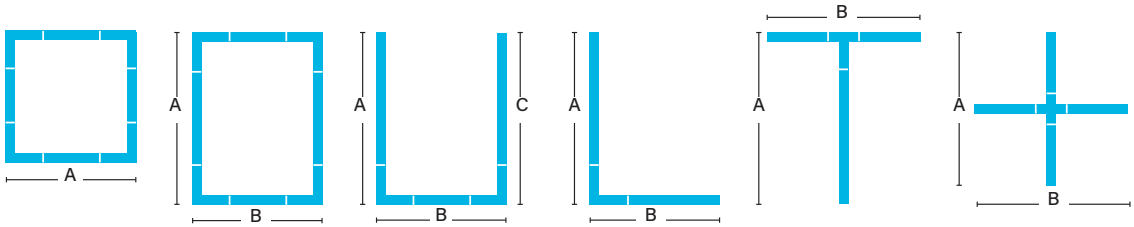
24" (609.6mm)
36" (914.4mm)
48" (1219.2mm)
60" (1524mm)
72" (1828.8mm)
84" (2133.6mm)
96" (2438.4mm)
Specify to the 1'

Pattern

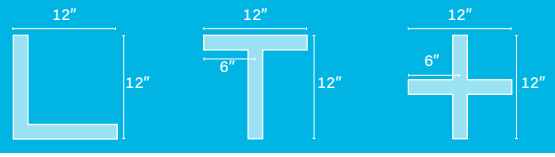


- Specify pattern shape and overall dimensions (includes corner dimensions)
- Refer to dimensions table below for available standard lengths
- All connectors are direct only
- 90 degree horizontal corners are 12"x12" (overall, outside dimension)
- Angles and shapes not shown require Mod Pattern; consult factory
- Only for HE Lens

S_	R_x_	U_x_x_	L_x_	T_x_	X_x_
Square *Provide A dimension* *Example:* **S4'** *Minimum Length-4'x4'*	Rectangle *Provide AxB dimensions* *Example:* **R4'x4'** *Minimum Length-4'x4'*	U-Shape *Provide AxBxC dimensions* *Example:* **U3'x4'x3'** *Minimum Length-3'x4'x3'*	L-Shape *Provide AxB dimensions* *Example:* **L3'x3'** *Minimum Length-3'x3'*	T-Shape *Provide AxB dimensions* *Example:* **T3'x5'** *Minimum Length-3'x5'*	X-Shape *Provide AxB dimensions* *Example:* **X5'x5'** *Minimum Length-5'x5'*



Horizontal Details: Every Connection is 12" x 12" in Overall Dimension



Length or Pattern: MOD Options

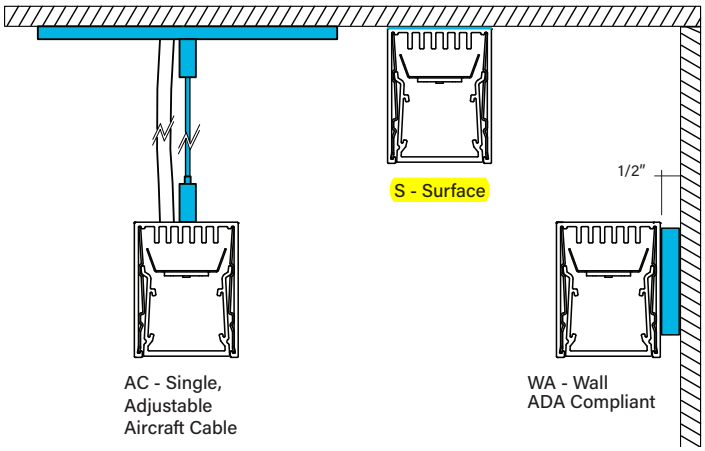
- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD	Specify MOD for patterns, lengths or angles not shown above
	Hubs Connectors

Mounting

- Specify cable length in ordering code (AC48G1)
- Standard specifiable lengths are 48", 120", 240" and 350"
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies
- Canopies are painted to match fixture finish, power cords are white or black depending on fixture finish. See Finish section for additional details
- Approved for dry/damp location unless otherwise noted, PAC NOT rated for dry/damp
- Refer to installation instructions during installation at the job site
- Maximum fixture weight is 20 lbs for a standard 4' fixture
- Remote box will be included for all specifications that include batteries, GTD, or a driver OTHER THAN the EL1. See Installation Instructions for more specific information about mounting

AC__G1	Aircraft Cable 1" (15/16") T-Bar
AC__G9	Aircraft Cable 9/16" T-Bar
AC__GS	Aircraft Cable Screw Slot T-Bar
AC__JB	Aircraft Cable Junction Box
AC__ST	Aircraft Cable Structure
AC5__G_	Aircraft Cable 5" (127mm) Non-Power Canopy
AC5__JB	Aircraft Cable 5" (127mm) Non-Power Canopy
SQ__G_	Aircraft Cable 5" (127mm) Square Canopy
SQ__JB	Aircraft Cable 5" (127mm) Square Canopy
WA	Wall Mount
S	Surface Mount



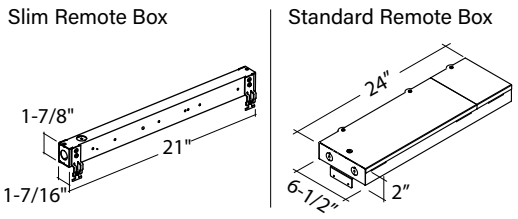
Voltage

- Some EX12 configurations will not accommodate all voltage options; consult with factory

U	Universal
1	120 volt
2	277 volt
3	347 volt

Driver

- Standard Driver Option = EL1
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options, see Pinnacle Resource Guide
- Some EX12D configurations will not accommodate all driver options; consult with factory
- EL1 driver is integral to the fixture housing. Remote box necessary for all drivers OTHER THAN the EL1 OR WITH BATTERY OPTION
- Osram and Lutron Drivers have a remote distance limitation of 10'
- eldoLED and Advance Drivers have an average remote distance limitation of 50'. Consult Factory for specific configurations



Integral Driver	
EL1	ERP Power 1%, 0-10v, requires 120 or 277

Remote Driver		Slim Remote Box	Standard Remote Box
0-10V Drivers			
FSD	Factory Select Driver (1%, 0-10v)	Standard Output (STD), High Output (HO)	Very High Output (VHO), 90CRI Options
PL2	Signify Advance Xitanium 1%, 0-10v		
PL4	Advance Xitanium 347v 1%, 0-10v, requires 347v		
OL2	eldoLED Optotronic, 1%, 0-10v		
OL4	eldoLED Optotronic 347v, 1% 0-10v, requires 347v option		
EE1	eldoLED ECOdrive 1%, 0-10v Logarithmic		
EE2	eldoLED ECOdrive 1%, 0-10v Linear		
ES1	eldoLED SOLOdrive 0-10v, 0.1% Logarithmic		
ES2	eldoLED SOLOdrive 0-10v, 0.1% Linear		
DALI Drivers			
EE3	eldoLED ECOdrive .1%, DALI (logarithmic)	Standard Output (STD), High Output (HO)	Very High Output (VHO), 90CRI Options
ES3	eldoLED SOLOdrive .1%, DALI (logarithmic)		
OD1	eldoLED Optotronic 1%, DEXAL		
Lutron Drivers			
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1	All Configurations	N/A
Alternate Drivers			
PS1	Signify Advance Xitanium Step Dimming 50/100%	All Configurations	N/A
EH1	ELV 120v only, 0-10v universal		

How to specify Circuiting, Battery and Emergency

1

- Select fixture circuiting from options below
- Some EX12D configurations will not accommodate all circuiting options, consult with factory

Circuiting

1	Single Circuit
M	Multi Circuit
E	Emergency Circuit only
N	Night Light Circuit only

2 + **3**

- Battery and emergency section options are available in addition to fixture circuit
- Select battery and emergency section options below; factory shop drawing required
- Some EX12D configurations will not accommodate all circuiting options, consult with factory

Battery and/or Emergency *If Required*

0	No battery or specific emergency section required

Battery

- Battery will be remote mounted with driver.
- Select battery section type if required, indicate total QTY. *Example 2PL*
- 90 minute battery runtime; test button is remote to fixture and requires an additional drop
- Battery not available for lengths under 4'
- Entire direct fixture housing is on battery for lengths up to 5'
- Half of direct fixture is on battery for 6', 7' or 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

0	No Battery
_FSB	Factory Select Battery *(10w option, remote in box)*
_FSBST	Factory Select Battery *(10w, Self Testing, remote in box)*
_PLL	Bodine 10w Integral *(remote in box)*
_ILL	Iota 10w Integral *(Self Testing, remote in box)*
_PRH	Bodine 20w *(remote with conduit)*
_IRH	Iota 20w *(remote with conduit)*

For Approximate Battery Lumen Output

- Multiply battery wattage X fixture LPW shown on Lumen Table
- 92.3 (LPW) x 10 (watts) = 923 battery lumen output

Emergency

- Select emergency section type if required, indicate total QTY. *Example 1E*
- Combine battery and emergency section ordering codes if both options are selected

_FSG	Factory Select ALCR, Emergency Control Device, UNV
_GI	Iota ETS-DR, Emergency Transfer Switch, UNV
_GB	Bodine GTD, Generator Transfer Device, 120v or 277v
_E	Emergency circuit section
_N	Night Light circuit section
_L	Life Safety circuit section NO THROUGH WIRE

Battery OR Emergency Ordering Examples

- Single circuit, 10w Integral Battery Ordering Code: 1-1PL
- Emergency only, 10w Integral Battery Ordering Code: E-1PLL
- Single circuit, GTD required Ordering Code: 1-1GB

Finish

- Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes
- Selecting a fixture finish other than white may impact lumen output; consult factory for more information

W	White *(white cord/white canopy)*
S	Metallic Silver *(white cord/silver canopy)*
BL	Textured Black *(black cord/black canopy)*
BR	Bronze *(white cord/bronze canopy)*
GR	Graphite *(white cord/graphite canopy)*
CC	Custom Color *(white cord/color match canopy)*

Fixture Options

- Domestic content option - compliance is configuration dependent; consult factory for conformation

BA	Buy America(n) Act and/or Build America Buy America Compliant

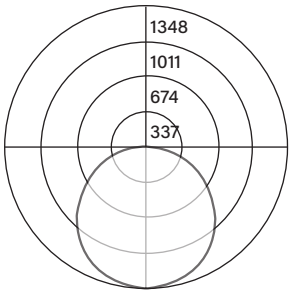
Controls

- Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.

Photometrics

High Efficiency Lens

Test #	Scaled from KPL2015-57
Catalog #	EX12D-A-840VHO-4
Lumens	3819
Watts	39.7
Efficacy	96 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1337	1337	1337	1337	1337
5	1325	1337	1328	1330	1329
10	1308	1320	1310	1312	1311
15	1279	1290	1280	1281	1280
20	1239	1249	1240	1240	1239
25	1189	1197	1189	1186	1186
30	1128	1136	1128	1123	1122
35	1059	1068	1057	1053	1052
40	983	986	978	972	970
45	899	899	892	883	881
50	806	805	796	789	769
55	704	705	696	687	685
60	599	597	590	580	581
65	491	488	477	470	470
70	375	373	365	359	357
75	258	258	250	247	245
80	153	150	146	143	145
85	66	64	61	59	58
90	0	0	0	0	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	28469	28277	27921
55	27516	27172	26738
65	26044	25293	24939
75	22355	21618	21227
85	17058	15632	14873

For all available IES files, please visit our website at pinnacle-ltg.com. Photometry testing in accordance to IESNA-LM-79-08 at an NVLAP accredited testing laboratory. Testing conducted at 25°C ambient conditions

Applications & Certificates

Construction: 6063-T5 Extruded aluminum housing. Highly reflective die-formed white painted reflector.

Shielding: Diffuse snap-in acrylic lens with matte finish, removable for maintenance.

Mounting: Aircraft cable, wall and surface mount available. The aircraft cable that mounts on 4'-0" (1219.2mm) and 8'-0" (2438.4mm) centers. Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies. Refer to installation instructions for appropriate ceiling detail. Canopies are painted white unless otherwise specified.

LED: 25°C test environment. Lumen output/wattage has a margin of +/- 5%; 2' or 3' lengths may have a greater wattage deviation. Luminaire configurations tested in accordance with IES LM-79. Diodes tested in accordance with IES LM-80. Lifetime calculated using IES TM-21. Minimum lifetime greater than 60,000 hours. Lifetime Projection L70 = 254,800 hours and L90 = 80,200 hours. MacAdam 3-Step Ellipses. For all available IES files, please visit our website at pinnacle-ltg.com.

CRI, CCT & Output: Not all lumen packages available. Three lumen packages available. Standard, High (HO) and Very High (VHO). Custom outputs are available. Specify custom lumens or watts between standard offering listed on CRI, CCT & Output page. 80 CRI is available for 3000K, 3500K, and 4000K. 90 CRI is available for 2700K, 3000K, 3500K and 4000K. 90 CRI = R9≥50.

Voltage: Universal (U), 120 volt (1), 277 volt (2) and 347 volt (3) options available. Must specify PL4 or OL4 in Driver section when 347 volt (3) is selected. Some EDGE configurations will not accommodate all voltage options; consult with factory.

Driver: Standard INTEGRAL Driver Option is EL1. All other driver options will be in remote box. EL1 designed for use with 120v or 277v only. Electronic driver, Power factor is >0.9 with a THD <20%. Driver Lifetime: 50,000 hours at 25°C ambient operating conditions. Ambient operating range: -20°F/-30°C to 128°F/54°C. When ND is specified, a spec grade driver will be provided. For more driver options, see Pinnacle Resource Guide. Some configurations will not accommodate all driver options.

Circuiting: Select from single circuit (1), Multi circuit (M), Emergency circuit (E) or Night Light circuit (N). For emergency circuiting situations that require no through wire or circuit separation, Life Safety Circuit should be selected. This will provide a separate power feed and only the Life Safety Circuit in that section. Some EX configurations will not accommodate all circuiting options; consult with factory.

Battery & Emergency: Select battery or emergency options if required. If battery or emergency option is not required, enter 0. Battery duration is 90 minutes as standard. Test button is remote to fixture. For more Battery options, see Pinnacle Resource Guide.

Finish: Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes. Canopies painted white unless specified differently in the options section of the part number. Contact factory for additional custom color and finish options.

Controls: Mod options available, consult with factory.

Buy America Act (BAA) and Build America, Buy America Act (BABA) Compliance: BAA and/or BABA compliance options are available to support federally funded projects requiring domestic content. Availability depends on configuration; Compliance is configuration-dependent; consult factory for confirmation.

Labels: UL and cUL 1598 listed. Standard and HO lumen packages are approved for dry/damp location unless otherwise noted.

Fixture Weight: Maximum fixture weight is 10 lbs for a standard 4' fixture.

Warranty: EX LED offered with a 5-year limited warranty. Covers LED, driver and fixture.

LTR-P Professional Series

1.5W, 12VDC and 24VDC LED Tape Specification Sheet

GMLighting®

Project Name	Type
Catalog #	Date

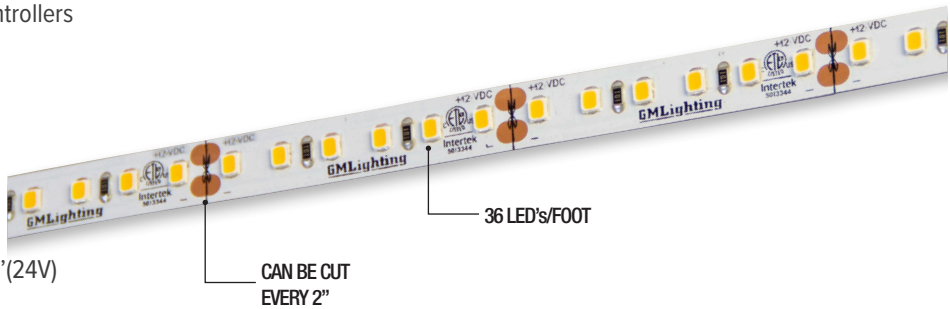
12 VOLT | 24 VOLT | CLOSET | DRY LOCATION | CLASS 2 | TITLE 24 | LUX control | cULus | 90+ CRI | ETL Intertek | 5 Yr. WARRANTY

PRODUCT OVERVIEW

GM's Professional Series Flexible LED Tape combines style and technology with reliability. Designed for professional installations that demand a high level of quality, the LTR-P Series includes a wide array of key features and is available in 16'-4" (5M), 100' (30M) and 250' (76M) reels.

FEATURES

- 12VDC or 24VDC models
- 2400K, 2700K, 3000K, 3500K, 4000K and 5000K color temps
- Dry location
- Remote control with GM's LUXcontrol™ App and controllers
- 120 LEDs per meter
- Cuttable every 2"
- Custom lengths available - consult factory
- Premium diodes
- 120° viewing angle
- Dimmable
- 3M adhesive back
- Maximum run on a given lead is 32'-8"(12V) and 60'(24V)
- Includes Sure-Tite connectors



SPECIFICATIONS

ELECTRICAL

- 12V/24V
- 1.5 watts per foot

OPTICS

- 90+ CRI

OPERATING TEMP

- -4 to 122 F

CERTIFICATION

- ETL (12V) / UL (24V)
- Title 24 compliant when used with used with specific drivers. Consult factory.
- Class 2
- Closet Rated: Complies with NEC code (NFPA70) 410.16, Suitable for installation within the clothes closet storage space

WARRANTY

- 5-year warranty when paired with GM power supply

ORDERING INFORMATION

Example: LTR-P-12V-1.5W-24K-16

Model	-	Series	-	Voltage	Wattage	Color Temp	Reel Length
LTR	-	P	-	12V	1.5W	24K	16
						27K	
						30K	100
				24V		35K	
						40K	250
						50K	

*Reel Length: 16 = 16'-4", 100 = 98'-6", 250 = 250'
250ft. reels available in 27K, 30K and 35K only

ACCESSORIES

Model	Description
ESTC-1	Sure-Tite tape to tape connector
ESTC-90	Sure-Tite 90° connector
ESTLK-60	Sure-Tite 60" adjustable tape to tape connector
ESTW-60	Sure-Tite 60" adjustable tape to power connector
ESTW-CO	Sure-Tite tape to power supply connector (no wire)

Your LED Tape Specification Checklist:

1. Select Tape
2. Select Connectors
3. Select Channels
4. Select Controllers or Dimmers
5. Select Power Supplies

Install Sheet

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LTR-P Professional Series

1.5W, 12VDC and 24VDC
LED Tape Specification Sheet

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Catalog No.	Length	Lumens	CRI	Color Temp.	Max. Run
LTR-P-12V-1.5W-24K-16	16’-4” / 5M	119	90+	2400K	32’-8”
LTR-P-12V-1.5W-27K-16	16’-4” / 5M	125	90+	2700K	32’-8”
LTR-P-12V-1.5W-30K-16	16’-4” / 5M	126	90+	3000K	32’-8”
LTR-P-12V-1.5W-35K-16	16’-4” / 5M	140	90+	3500K	32’-8”
LTR-P-12V-1.5W-40K-16	16’-4” / 5M	144	90+	4000K	32’-8”
LTR-P-12V-1.5W-50K-16	16’-4” / 5M	146	90+	5000K	32’-8”
LTR-P-12V-1.5W-24K-100	98’-6” / 30M	119	90+	2400K	32’-8”
LTR-P-12V-1.5W-27K-100	98’-6” / 30M	125	90+	2700K	32’-8”
LTR-P-12V-1.5W-30K-100	98’-6” / 30M	126	90+	3000K	32’-8”
LTR-P-12V-1.5W-35K-100	98’-6” / 30M	140	90+	3500K	32’-8”
LTR-P-12V-1.5W-40K-100	98’-6” / 30M	144	90+	4000K	32’-8”
LTR-P-12V-1.5W-50K-100	98’-6” / 30M	146	90+	5000K	32’-8”
LTR-P-12V-1.5W-27K-250	250’ / 76M	125	90+	2700K	32’-8”
LTR-P-12V-1.5W-30K-250	250’ / 76M	126	90+	3000K	32’-8”
LTR-P-12V-1.5W-35K-250	250’ / 76M	140	90+	3500K	32’-8”
LTR-P-24V-1.5W-24K-16	16’-4” / 5M	119	90+	2400K	60’
LTR-P-24V-1.5W-27K-16	16’-4” / 5M	125	90+	2700K	60’
LTR-P-24V-1.5W-30K-16	16’-4” / 5M	126	90+	3000K	60’
LTR-P-24V-1.5W-35K-16	16’-4” / 5M	140	90+	3500K	60’
LTR-P-24V-1.5W-40K-16	16’-4” / 5M	144	90+	4000K	60’
LTR-P-24V-1.5W-50K-16	16’-4” / 5M	146	90+	5000K	60’
LTR-P-24V-1.5W-24K-100	98’-6” / 30M	119	90+	2400K	60’
LTR-P-24V-1.5W-27K-100	98’-6” / 30M	125	90+	2700K	60’
LTR-P-24V-1.5W-30K-100	98’-6” / 30M	126	90+	3000K	60’
LTR-P-24V-1.5W-35K-100	98’-6” / 30M	140	90+	3500K	60’
LTR-P-24V-1.5W-40K-100	98’-6”/ 30M	144	90+	4000K	60’
LTR-P-24V-1.5W-50K-100	98’-6” / 30M	146	90+	5000K	60’
LTR-P-24V-1.5W-27K-250	250’ / 76M	125	90+	2700K	60’
LTR-P-24V-1.5W-30K-250	250’ / 76M	126	90+	3000K	60’
LTR-P-24V-1.5W-35K-250	250’ / 76M	140	90+	3500K	60’

Kelvin temperature (color) ±100K.
16’-4” and 100’ reel includes 48” lead affixed to tape. 16’-4” reel includes (3) ESTW-60 Sure-Tite connectors. 100’ reel includes (10) ESTW-60 Sure-Tite connectors

COMPATIBLE CONTROLLERS

Model	Description
SHWC	LUXcontrol Smart 2.4 GHz WiFi Controller, Standard 12V/24V Low Voltage, see page 8
SHWD	LUXcontrol Smart 2.4 GHz WiFi Dimmer, Standard 12V/24V Low Voltage, see page 8
SWD-40W-12VDC-DIM	SwitchLD All-in-One Dimmer and Driver, 40W, 12VDC see page 10
SWD-60W-12VDC-DIM	SwitchLD All-in-One Dimmer and Driver, 60W, 12VDC see page 10

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LTR-P Professional Series

1.5W, 12VDC and 24VDC
LED Tape Specification Sheet

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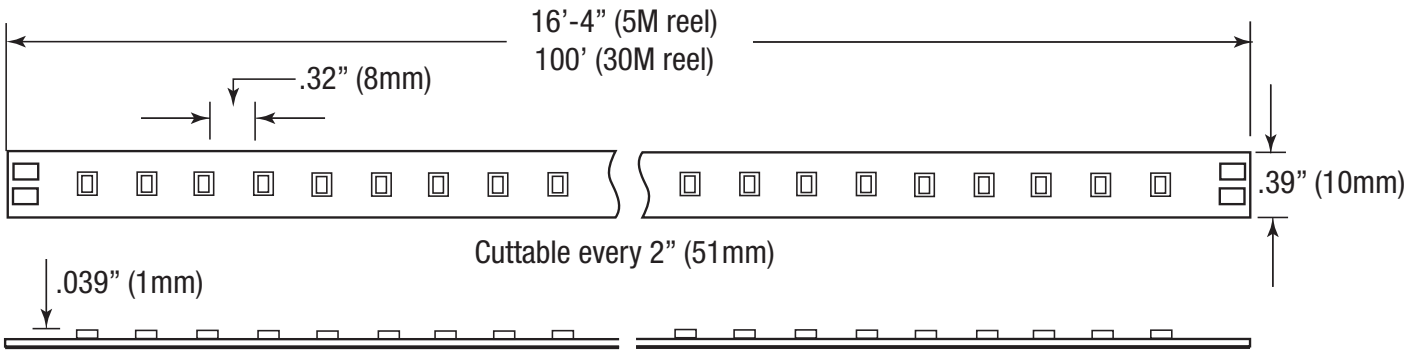
RECOMMENDED DRIVERS

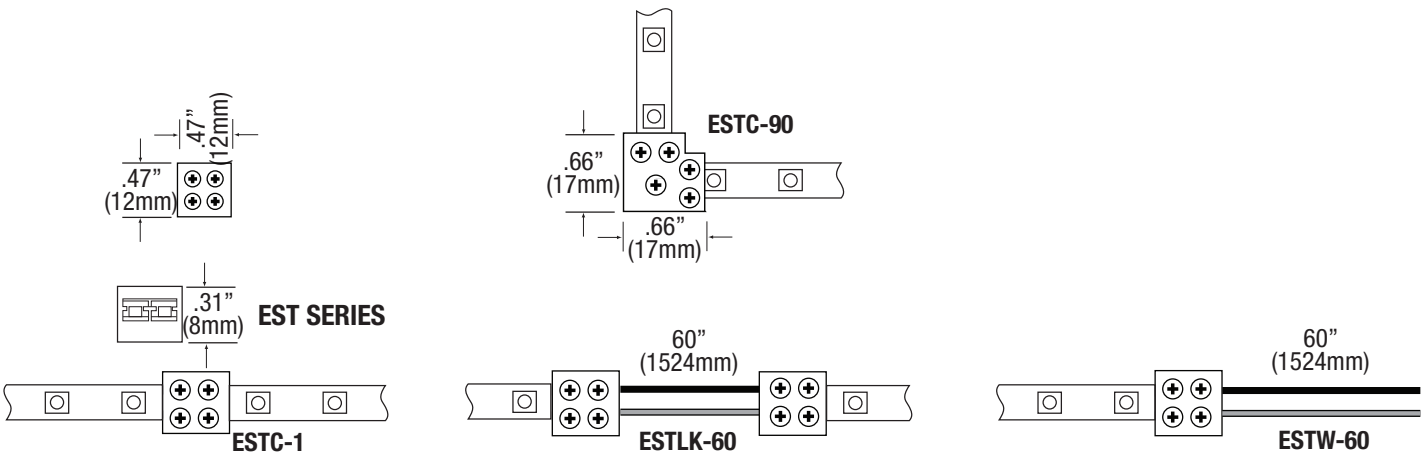
Catalog No.	Description	Watts	Specification Sheet
LD-ED-UNV	LineDrive Electronic Dimmable Power Supply, 12VDC or 24VDC	20W, 40W, 60W, 96W, 150W, 200W, 300W	View Spec Sheet
LD-E-UNV	LineDrive Electronic Non-Dimmable Power Supply, 12VDC or 24VDC	30W, 60W, 96W, 200W, 300W	View Spec Sheet
LD-MD-UNV	LineDrive Magnetic Dimmable Power Supply, 12VDC or 24VDC	30W, 60W, 96W, 150W, 200W, 300W	View Spec Sheet
LD-EDM	LineDrive Electronic Dimmable MINI Power Supply, 12VDC or 24VDC	60W	View Spec Sheet
LD-ED010	LineDrive Electronic Dimmable 0-10V Power Supply, 12VDC or 24VDC	60W, 96W	View Spec Sheet
LTP	Cord and Plug Power Supply, 12VDC or 24VDC	25W, 48W, 60W, 90W	View Spec Sheet
PSD	Electronic Dimmable Power Supply, 12VDC or 24VDC	15W, 24W, 60W, 90W	View Spec Sheet

Please see our website for updated power supply specifications and information.

DIMENSION



EST SERIES CONNECTORS



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LTR-P Professional Series

1.5W, 12VDC and 24VDC
LED Tape Specification Sheet

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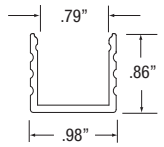
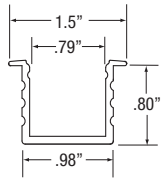
COMPATIBLE CHANNELS - FIT CONNECTORS ON PG. 1

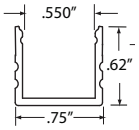
EXTRA DEEP

Catalog No.	Description	Length	Dimensions
LED-CHL-XD	Extra deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	4’	
LED-CHL-XD-8	Extra deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	8’	
LED-CHL-XD-AMC	(2) Adjustable mounting brackets for LED-CHL-XD	N/A	
LED-CHL-XD-EC	(2) End caps for LED-CHL-XD. One solid, one with hole.	N/A	
LED-CHL-XD-MC	(2) Mounting clips and screws for LED-CHL-XD	N/A	

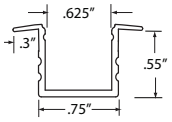
EXTRA DEEP FLANGED

LED-CHL-XD-F	Extra deep format extruded channel with flange. Includes snap-on frosted lens with mounting clips and screws.	4’	
LED-CHL-XD-F-8	Extra deep format extruded channel with flange. Includes snap-on frosted lens with mounting clips and screws.	8’	
LED-CHL-XD-F-DC	(2) Drywall mounting brackets for LED-CHL-XD-F	N/A	
LED-CHL-XD-F-EC	(2) End caps for LED-CHL-XD-F. One solid, one with hole.	N/A	

MINI DEEP

LED-CHL-XD-MD	Mini deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	4’	
LED-CHL-XD-MD-WH	Mini deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws. White.	4’	
LED-CHL-XD-MD-B	Mini deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws. Black.	4’	
LED-CHL-XD-MD-8	Mini deep format extruded channel with flange. Includes snap-on frosted lens with mounting clips and screws.	8’	
LED-CHL-XD-MD-8-WH	Mini deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws. White.	8’	
LED-CHL-XD-MD-8-B	Mini deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws. Black.	8’	
LED-CHL-XD-MD-AMC	(2) Adjustable mounting brackets for LED-CHL-XD-MD	N/A	
LED-CHL-XD-MD-EC	(2) End caps for LED-CHL-XD-MD. One solid, one with hole.	N/A	
LED-CHL-XD-MD-MC	(2) Mounting clips for LED-CHL-XD-MD	N/A	

MINI DEEP FLANGED

LED-CHL-XD-MD-F	Mini deep format flanged extruded channel with flange. Includes snap-on frosted lens with mounting clips and screws.	4’	
LED-CHL-XD-MD-F-WH	Mini deep format flanged extruded channel with flange. Includes snap-on frosted lens with mounting clips and screws. White.	4’	
LED-CHL-XD-MD-F-B	Mini deep format flanged extruded channel with flange. Includes snap-on frosted lens with mounting clips and screws. Black.	4’	
LED-CHL-XD-MD-F-8	Mini deep format extruded flanged channel with flange. Includes snap-on frosted lens with mounting clips and screws.	8’	
LED-CHL-XD-MD-F-8-WH	Mini deep format extruded flanged channel with flange. Includes snap-on frosted lens with mounting clips and screws. White.	8’	
LED-CHL-XD-MD-F-8-B	Mini deep format extruded flanged channel with flange. Includes snap-on frosted lens with mounting clips and screws. Black.	8’	
LED-CHL-XD-MD-F-DC	(2) Drywall mounting brackets for LED-CHL-XD-MD-F	N/A	
LED-CHL-XD-MD-F-EC	(2) End caps for LED-CHL-XD-MD-F One solid, one with hole.	N/A	

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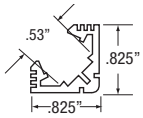
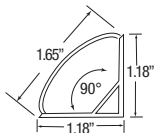
COMPATIBLE CHANNELS- FIT CONNECTORS ON PG. 1

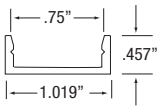
45° ANGLE MOUNT

Catalog No.	Description		Dimensions
LED-CHL-45	Extruded angled (45°) channel. Includes snap-on frosted lens with mounting clips and screws.	4’	
LED-CHL-45-EC	(2) End caps for LED-CHL-45 - one solid, one with hole	N/A	
LED-CHL-45-MC	(2) Mounting clips and screws for LED-CHL-45	N/A	

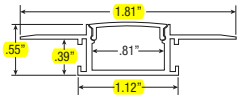
45° LARGE ANGLE MOUNT

LED-CHL-45-1200	Extruded angled (45°) channel. Includes snap-on frosted lens with mounting clips and screws.	4’	
LED-CHL-45-1200-EC	(2) End caps for LED-CHL-45 - one solid, one with hole	N/A	
LED-CHL-45-1200-MC	(2) Additional mounting clips for LED-CHL-45-1200	N/A	

WIDE

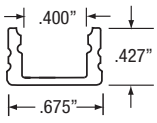
LED-CHL-W	Wide format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	4’	
LED-CHL-W-8	Wide format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	8’	
LED-CHL-W-AMC	(2) Adjustable mounting brackets for LED-CHL-W	N/A	
LED-CHL-W-EC	(2) End caps for LED-CHL-W - one solid, one with hole.	N/A	
LED-CHL-W-MC	(2) Additional mounting clips for LED-CHL-W	N/A	

MUD IN - STANDARD

Catalog No.	Description		Dimensions
LED-CHL-MI-ST8	8ft. Standard extruded aluminum mud-in channel. Includes snap-on frosted lens.	8’	
LED-CHL-MI-ST-EC	(2) End caps for LED-CHL-MI-ST8 one solid, one with hole.	N/A	

COMPATIBLE CHANNELS - SOLDERED LEADS ONLY

STANDARD STRAIGHT

Catalog No.	Description		Dimensions
LED-CHL	Extruded channel. Includes snap-on frosted lens with mounting clips and screws.	4’	
LED-CHL-8	Extruded channel. Includes snap-on frosted lens with mounting clips and screws.	8’	
LED-CHL-AMC	(2) Adjustable mounting brackets for LED-CHL	N/A	
LED-CHL-EC	(2) End caps for LED-CHL - one solid, one with hole.	N/A	
LED-CHL-MC	(2) Additional mounting clips for LED-CHL	N/A	

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