

EDGE EV4DPM

4" Recessed Perimeter

Key Features

- Extruded aluminum trim with formed cold rolled 20 gauge steel back box housing
- 5-year limited warranty covers LED, driver and fixture
- ETL Listed conforming to UL1598 in US and CSA 250 in Canada
- Approved for dry/damp location unless otherwise noted
- Room-Side Maintenance for LED system
- Product transparency with third-party verified Living Building Challenge (LBC) Declared



QUICKSHIP

Declare.



Example Part #: EV4DPM2-HE-830HO-26'-G1-U-FSD-1-0-W

HOUSING	SHIELDING	SOURCE	LENGTH OR PATTERN	MOUNTING	VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	FIXTURE OPTIONS	CONTROLS
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HOUSING	SHIELDING	SOURCE ¹ QS.	LENGTH OR PATTERN ² QS.
EV4DPM - Edge 4, Perimeter QS. EV4DPM2 - Edge 4, Perimeter, 2" Regress QS. EV4DPM3 - Edge 4, Perimeter, 3" Regress QS. EV4DPM4 - Edge 4, Perimeter, 4" Regress QS. MOD - Modifications Available <i>Housing pg. 2</i>	A - Satine Lens QS. HE - High Efficiency Lens QS. R - Regress Lens WHE - Asymmetric Lens QS. <i>Shielding pg. 2</i>	_27_ - 2700K _30_ - 3000K _35_ - 3500K _40_ - 4000K CL - Custom Lumens CW - Custom Watts MOD - Mod options available <i>Lumen Output pg. 2-3</i>	_ - Individual Fixture _ - Continuous Row SI - Inside Square SO - Outside Square RI_x - Inside Rectangle RO_x - Outside Rectangle UI_x - Inside U Shape UO_x - Outside U Shape LI_x - Inside L Shape LO_x - Outside L Shape <i>Length pg. 3</i>

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MOUNTING	VOLTAGE	DRIVER	CIRCUITING
G1 - 1" (15/16") T Bar QS. G9 - 9/16" T Bar QS. GB - 9/16" Bevel T Bar GS - Screw Slot T Bar QS. FL - 1/2" Flange QS. NF - Non Flange QS. SF - Spackle Flange QS. MOD - Mod options available <i>Mounting pg. 4</i>	U - Universal QS. <i>(120 thru 277V)</i> 1 - 120V QS. 2 - 277V QS. 3 - 347V <i>Voltage pg. 4</i>	FSD - Factory Select Driver (1%, 0-10v) QS. PL2 - Advance Xitanium (1%, 0-10v) OL2 - eldoLED Optotronic (1%, 0-10v) OL4 - eldoLED Optotronic 347v (1%, 0-10v) EE1 - eldoLED ECoDrive (1%, 0-10v) ES1 - eldoLED SOLOdrive (0.1%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) PS1 - Advance Xitanium (50%/100%) MOD - Mod options available <i>Driver pg. 5</i>	1 - Single Circuit QS. M - Multi Circuit E - Emergency QS. <i>(entire fixture)</i> N - Night Light QS. <i>(entire fixture)</i> <i>Circuiting pg. 5</i>

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BATTERY & EMERGENCY ³	FINISH	FIXTURE OPTIONS ^{4,5}	CONTROLS ⁶
0 - None QS. _FSB - Factory Select Battery QS. _FSG - Factory Select ALCR _GB - Bodine GTD _GI - Iota ETS DR _IC - Iota 10W (CEC Listed) _P - Bodine 10W _E - Emergency Circuit Section _N - Night Light Circuit Section _L - Life Safety Circuit Section <i>Battery and Emergency pg. 5-6</i>	W - White QS. S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 6</i>	QS - Quick Ship QS. CP - Chicago Plenum QS. GLR - Internal Fast Blow Fuse QS. FIL - Field Cut Illuminated Extension QS. FW6 - 6' Flex Whip BA - Buy America(n) Act and/or Build America Buy America Compliant MOD - Mod options available <i>Fixture Options pg. 6</i>	MOD - Mod options available <i>Controls pg. 7</i>

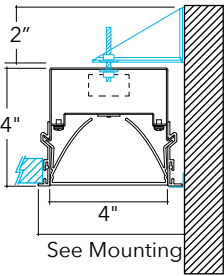
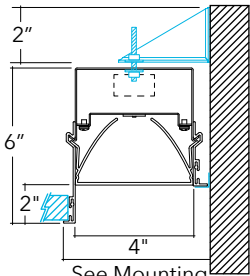
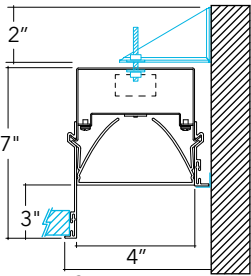
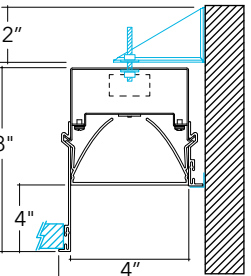
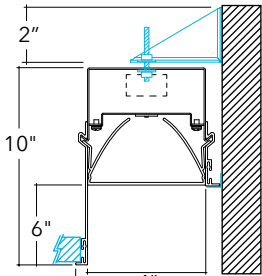
¹When specifying SOURCE the first _ is for specifying either **8** - 80CRI, **9** - 90CRI. The ending _ are for specifying output, example **HO** - High Output. See output charts for more information. ²Individual fixtures come in **2', 3', 4', 5', 6', 7' & 8'** lengths. Continuous row come in 1/8" increments. ³Enter quantity for Battery and Emergency; Example 2PLL. ⁴Compliance is configuration dependent; consult factory for confirmation. ⁵**QS** must be used in part number when QuickShip. ⁶Controls can only be used with Single Circuit (1) or Emergency Circuit (E). See Controls chart on page 5 for driver options and more information.

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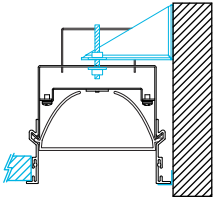
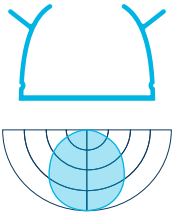
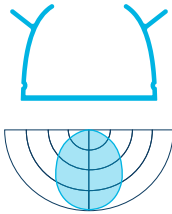
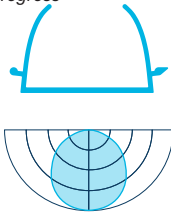
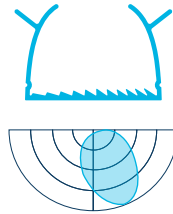
Housing

- Mounting bolt allows for adjustability of mount height. If fixture is flushed to mount bracket, distance to ceiling would be bracket height (2") + fixture height (dependent on regress).

EV4DPM	EV4DPM2	EV4DPM3	EV4DPM4	MOD EV4DPM6
Edge 4, Perimeter	Edge 4, Perimeter 2" Regress	Edge 4, Perimeter 3" Regress	Edge 4, Perimeter 4" Regress	Edge 4, Perimeter 6" Regress
				
See Mounting	See Mounting	See Mounting	See Mounting	See Mounting

Shielding

- Regress Lens option uses housing with backbox. Back box does not impact mounting. see detail.
- Asymmetric Lens option recommended for use pointing away from wall.
- Regress Lens option not available with corners.

A	HE	R	WHE	Regress Detail
Satine Lens	High Efficiency	Regress 1-1/8" regress	Asymmetric	
				

Source: White LED¹

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory
- 90 CRI = R9≥50
- LPW and watts/ft based off 47" fixture size.

Custom Output - Lumens OR Wattage

CL _____	Specify CRI, CCT and desired lumens (i.e. CL835500)	Specify lumens between standard offering listed below. Lumens are specified per color temp
CW _____	Specify CRI, CCT and desired wattage (i.e. CW9407)	Specify watts between standard offering listed below

80 CRI

	Color	Lumens per foot	Shielding ¹		HE		R		WHE	
			A Satine LPW	Watts/ft	High Efficiency LPW	Watts/ft	Regress LPW	Watts/ft	Asymmetric LPW	Watts/ft
830	3000K	500	114	4.4	126	4.0	103	4.9	123	4.1
830HO		750	114	6.6	130	5.8	103	7.3	127	5.9
830VHO		1000	117	8.5	131	7.6	104	9.6	130	7.7
835	3500K	500	118	4.3	130	3.9	104	4.8	127	4.0
835HO		750	117	6.4	134	5.6	106	7.1	131	5.7
835VHO		1000	120	8.3	136	7.4	107	9.4	132	7.6
840	4000K	500	118	4.3	130	3.9	104	4.8	127	4.0
840HO		750	117	6.4	134	5.6	106	7.1	131	5.7
840VHO		1000	120	8.3	136	7.4	107	9.4	132	7.6

90 CRI

927	2700K	500	94	5.3	106	4.7	83	6.0	103	4.8
927HO		750	96	7.8	108	6.9	85	8.8	105	7.1
927VHO		1000	95	10.5	108	9.2	N/A		107	9.4
930	3000K	500	103	4.9	115	4.3	91	5.5	113	4.4
930HO		750	103	7.3	115	6.5	92	8.1	112	6.7
930VHO		1000	104	9.6	118	8.5	92	10.9	116	8.7
935	3500K	500	103	4.9	115	4.3	90	5.5	112	4.5
935HO		750	102	7.3	115	6.5	92	8.1	112	6.7
935VHO		1000	104	9.6	118	8.5	92	10.9	115	8.7
940	4000K	500	103	4.9	115	4.3	90	5.5	112	4.5
940HO		750	102	7.3	115	6.5	92	8.1	112	6.7
940VHO		1000	104	9.6	118	8.5	92	10.9	115	8.7

¹LPW and watts/ft based off 47" fixture size.

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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		Required Driver	Required Control
	Color Changing RGB LED	EC1	DMX
	Color Changing RGB-W LED	EC1	DMX
	Color Changing RGB-A LED	EC1	DMX
	2 Channel Tunable White	Various	Various

Length

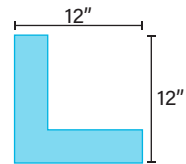
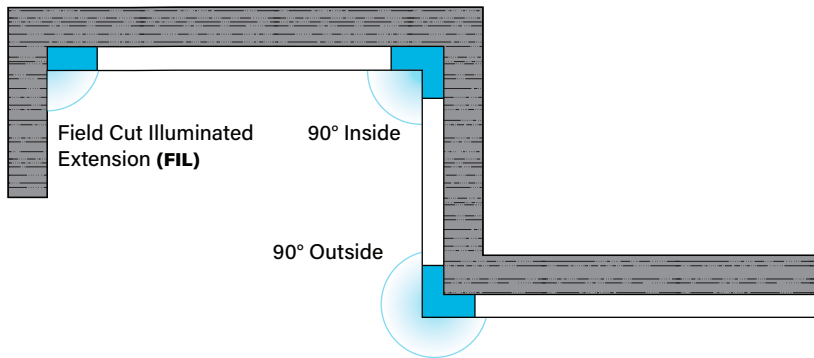
- All individual units cannot be joined, end trims are factory installed and cannot be removed
- Refer to Pattern section for specification and ordering options
- Continuous Rows are made up of even and odd length fixtures; designed to fall on-grid

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 1/8"
23" (584.2mm)							
	35" (889mm)						
		47" (1193.8mm)					
			59" (1498.6mm)				
				71" (1803.4mm)			
					83" (2108.2mm)		
						95" (2413mm)	
Specify to the 1/8"							

Pattern

- Specify pattern shape and overall dimensions (includes corner dimensions)
- 90 degree horizontal corners are 12"x12" (overall, outside dimension)
- Use with Field Cut Illuminated extensions (**FIL**) to fit to wall to wall dimensions
- Not all drivers available with all patterns; consult factory
- Only available with A of HE lens

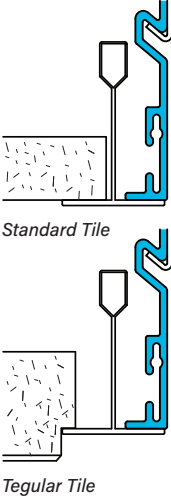
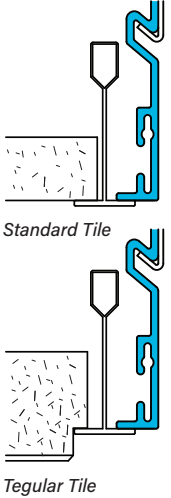
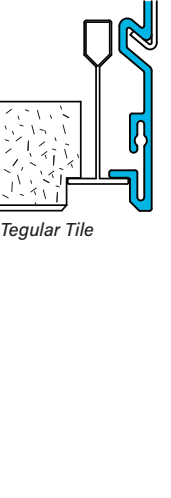
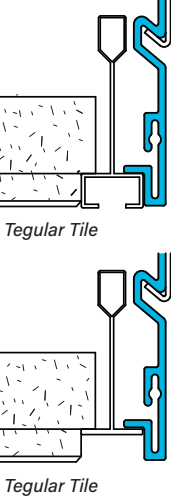
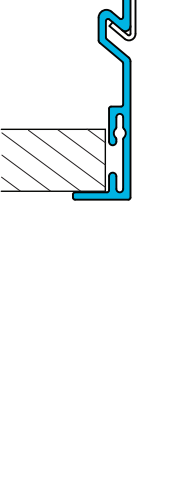
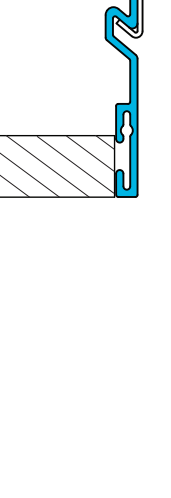
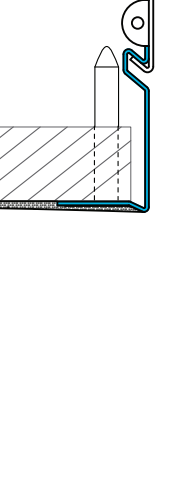
SI_	SO_	RI_x_	RO_x_	UI_x_x_	UO_x_x_	LI_x_	LO_x_
Square, Inside (SI) or Outside (SO) Provide overall length dimension for each fixture leg		Rectangle, Inside (RI) or Outside (RO) Provide overall length dimension for each fixture leg		U-Shape, Inside (UI) or Outside (UO) Provide overall length dimension for each fixture leg		L-Shape, Inside (LI) or Outside (LO) Provide overall length dimension for each fixture leg	





Mounting

- Individual units cannot be joined, end trims are factory installed and cannot be removed
- Designed to install into acoustical grid and inaccessible ceilings
- Grid retention brackets integral to housing and require mechanical attachment
- Each housing contains 4 grid retention brackets
- Tie off fixture to structure with retention wires
- Approved for dry/damp location unless otherwise noted
- Details shown are room side mounting, wall side mounting will be FL flange on wall mount trim

G1	G9	GB	GS	FL	NF	SF
1" (15/16") T-Bar Flange to Flange: 4-15/16" (125.7mm)	9/16" T-Bar For tegular tile instal- lations, fixture position will not be flush to the bottom of the tile Flange to Flange: 4-15/16" (125.7mm)	9/16" T-Bar Rail has bevel edge details. For tegular tile installations, fixture position will be flush to the bottom of the tile Flange to Flange: 4-15/16" (125.7mm)	Screw Slot & 9/16" T-Bar For 9/16" installations with tegular tile, fixture position will be flush to the bottom of the tile Flange to Flange: 4-15/16" (125.7mm)	Exposed Standard 1/2" Flange Detail Flange to Flange: 5-1/8" (129.5mm)	Metal Pan or Millwork Flange to Flange: 4-3/4" (120.6mm)	Drywall, Flangeless Detail Flange to Flange: 5-1/2" (140.9mm)
						

Mounting: 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 Alternative Ceiling Solutions

Voltage

- Some EV4D 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 = FSD
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some EV4D configurations will not accommodate all driver options; consult with factory

0-10V Drivers

FSD	Factory Select Driver 1%, 0-10v
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% Linear
OL5	eldoLED Optotronic 1%, 0-10v, AUX
PL5	Advance Xitanium 1%, 0-10v, AUX

DALI Drivers

EE3	eldoLED ECOdrive 1%, DALI 2, Logarithmic, DT6
ES3	eldoLED SOLOdrive 0.1%, DALI 2, Logarithmic, DT6

Lutron Drivers

LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
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Alternate Drivers

PS1	Advance Xitanium Step Dimming 50%/100%
EH1	ERP 1%, Line Voltage and ELV, requires 120v

Driver: 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	POE or DC Power
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How to Specify Circuiting, Battery and Emergency

- Select fixture circuiting from options below
 - Some EV4D configurations will not accommodate all circuiting options, consult with factory

Circuiting

1	Single Circuit
M	Multi Circuit <i>(Not available with controls)</i>
E	Emergency Circuit only
N	Night Light Circuit only

- Battery and emergency section options are available in addition to fixture circuit
 - Select battery and emergency section options below; factory shop drawing required
 - Some EV4D configurations will not accommodate all circuiting options, consult with factory

Battery and/or Emergency *If Required*

0	No battery or specific emergency section required
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Battery

- Select battery section type if required, indicate total QTY. *Example 2PLL*
- 90 minute battery runtime; test button location dependent on configuration, consult factory
- No battery option available for 2' lengths
- Entire fixture is on battery for lengths up to 5'
- Largest reflector section is on battery for 6', 7' and 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

0	No Battery
_FSB	Factory Select Battery (10w option)
_FSBST	Factory Select Battery (10w, Self Testing)
_ILL	Iota 10w Integral Lithium, Self Testing
_PLL	Bodine 10w Integral Lithium, Self Testing

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 Control Device, UNV
_GB	Bodine GTD, Emergency Control 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: 1-1FSB
- Emergency only, 10w Integral Battery Ordering Code: E-1FSB
- 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
S	Metallic Silver
BL	Textured Black
GR	Graphite
BR	Bronze
CC	Custom Color

Fixture Options

- Additional options to enhance the fixture and finish of the product
- FIL has 2" min - 12" max length
- FIL Option angle range is 40° to 90°
- FIL Option is not IC rated

QS	Quick Ship
CP	Chicago Plenum
GLR	Internal Fast Blow Fuse
FW6	6' Flex Whip
DSP	Customer Supplied Battery/Driver/Sensor
FIL	Field Cut Illuminated Extension

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

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

Shielding	Source	Mounting	Voltage	Driver	Circuiting	Battery	Finish	Options
10-Day								
A	80 CRI, all color temperatures, all lumen packages <i>See pg 2</i>	G1 1" T-Bar G9 9/16" T-Bar GS Screw Slot FL 1/2" Flange NF Flangeless SF Spackle Flange	U Universal (120-277) 1 120V 2 277V	FSD Factory Select Driver (1%, 0-10v)	1 Single Circuit E Circuit N Emergency Night Light	0 None FSB Factory Select Battery	W White	CP Chicago Plenum GLR Fast Blow Fuse FIL Illuminated Extensions

All lengths and continuous rows up to 1,000 ft OR 150 individual fixtures. Consult factory for larger projects.

Fixture Options: 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	Remote Driver
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Direct Source: MOD Options

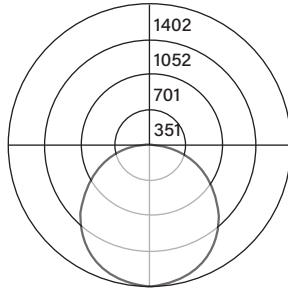
- Specify **MOD** in the part number for any of the below options
- Control** Options may require specific driver. Refer to the chart below
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD	Legrand Wattstopper DLM	Ordering Code	Required Driver
		DLMFC	OL2, OL4
	Lutron Athena Sensor	AWNS	OD1, PR1, OL5, PL5
	Lutron Athena Connected	AWNRC	OD1, PR1, OL5, PL5
	Acuity nLight Air Wireless Connected	CM	OL5, EE4, ES4, EE2, ES2

Photometrics

Satine Lens

Test #	ITL91432
Catalog #	EV2D-A-840VHO-4
Lumens	4020 lm
Watts	34.7 w
Efficacy	116 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1400	1400	1400	1400	1400
5	1393	1395	1397	1398	1399
10	1379	1382	1382	1379	1381
15	1348	1344	1350	1350	1348
20	1306	1298	1306	1307	1304
25	1253	1245	1253	1254	1247
30	1191	1178	1185	1184	1183
35	1112	1104	1112	1108	1105
40	1030	1023	1029	1027	1024
45	940	932	935	932	930
50	839	834	836	833	830
55	734	730	730	729	727
60	624	618	619	618	615
65	507	504	503	501	503
70	388	386	387	388	387
75	269	268	271	273	274
80	156	160	164	166	168
85	65	66	70	73	73
90	0	0	0	0	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10950	10892	10833
55	10541	10483	10440
65	9882	9804	9804
75	8561	8625	8720
85	6143	6616	6899

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 or IAS accredited testing laboratory. Testing conducted at 25°C ambient conditions

Applications & Certificates

Housing: Formed cold-rolled 20 gauge steel housing. Highly reflective die-formed white painted steel reflector.

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

Mounting: EDGE is designed to install into acoustical grid and inaccessible ceilings. Specify GX, FL, SF, NF, runs designed to fall on-grid. Consult factory for detailed installation instructions.

White 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. TM-21-21 Lifetime Rating L70 = >72,000 hours, L90 = 68,400 hours. MacAdam 3-Step Ellipses. For all available IES files, please visit our website at pinnacle-ltg.com.

CRI, CCT & Lumen 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 Driver Option is Factory Select Driver 0-10V, 1% = FSD. 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 94°F/35°C. For more driver options, see Pinnacle Resource Guide. Some EDGE configurations will not accommodate all driver options.

Circuiting: Select from single circuit (1), Multi circuit - For multiple circuiting and zone control, requires factory shop drawing (M), Emergency circuit (E), Life Safety (L) 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 EDGE 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 location dependant on configuration, consult factory. 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 or 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, HO and VHO lumen packages are IC Rated, approved for dry/damp location unless otherwise noted.

Sustainability: All models are Living Building Challenge (LBC) Declared with third-party verification. The Declare Label from ILFI provides transparent insights into materials, sourcing, and environmental impact, promoting informed, sustainable choices that benefit both people and the planet. View the label here.

Fixture Weight: Maximum fixture weight is 15lbs per 4' fixture.

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