

EDGE EV2DPM

2" 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 #: EV2DPM2-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 QS ¹	LENGTH OR PATTERN QS ²
EV2DPM - Edge 2, Perimeter QS ³	A - Satine Lens QS ⁴	27 - 2700K	--- - Individual Fixture
EV2DPM2 - Edge 2, Perimeter, 2" Regress QS ³	HE - High Efficiency Lens QS ⁴	30 - 3000K	--- - Continuous Row
EV2DPM3 - Edge 2, Perimeter, 3" Regress QS ³	R - Regress Lens	35 - 3500K	SI - Inside Square
EV2DPM4 - Edge 2, Perimeter, 4" Regress QS ³	WHE - Asymmetric Lens QS ⁴	40 - 4000K	SO - Outside Square
MOD - Modifications Available	Shielding pg. 2	CL - Custom Lumens	RI - Inside Rectangle
<i>Housing pg. 2</i>		CW - Custom Watts	RO - Outside Rectangle
		MOD - Mod options available	UI - Inside U Shape
		<i>Lumen Output pg. 2-3</i>	UO - Outside U Shape
			LI - Inside L Shape
			LO - Outside L Shape
			<i>Length pg. 3</i>

MOUNTING	VOLTAGE	DRIVER	CIRCUITING
G1 - 1" (15/16") T Bar QS ⁵ G9 - 9/16" T Bar QS ⁵ GB - 9/16" Bevel T Bar GS - Screw Slot T Bar QS ⁵ FL - 1/2" Flange QS ⁵ NF - Non Flange QS ⁵ SF - Spackle Flange QS ⁵ MOD - Mod options available	U - Universal QS ⁵ <i>(120 thru 277V)</i> 1 - 120V QS ⁵ 2 - 277V QS ⁵ 3 - 347V <i>Voltage pg. 4</i>	FSD - Factory Select Driver (1%, 0-10v) QS ⁵ 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	1 - Single Circuit QS ⁵ M - Multi Circuit E - Emergency QS ⁵ <i>(entire fixture)</i> N - Night Light QS ⁵ <i>(entire fixture)</i> <i>Circuiting pg. 5</i>

BATTERY & EMERGENCY ³	FINISH	Fixture Options ^{4,5}	CONTROLS ⁶
0 - None QS ⁵ FSB - Factory Select Battery QS ⁵ FSG - Factory Select ALCR GB - Bodine GTD GI - Iota ETS DR ILL - Iota 10W PLL - 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 ⁵ S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 6</i>	QS - Quick Ship QS ⁵ CP - Chicago Plenum QS ⁵ GLR - Internal Fast Blow Fuse QS ⁵ FIL - Field Cut Illuminated Extension QS ⁵ FW6 - 6' Flex Whip BA - Buy America(n) Act and/or Build America Buy America Compliant MOD - Mod options available	MOD - Mod options available <i>Controls pg. 7</i>

¹When specifying SOURCE 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. ²Individual fixtures come in **2'**, **3'**, **4'**, **5'**, **6'**, **7'** & **8'** lengths. Continuous row come in 1/8" increments. For Patterns, specify pattern shape and overall dimensions. Example: **L6x4**: L pattern that is 6'x4'. ³Enter quantity for Battery and Emergency, Example 2PLL. **QS** must be used in part number when QuickShip. ⁴Compliance is configuration dependent; consult factory for confirmation. ⁵Controls 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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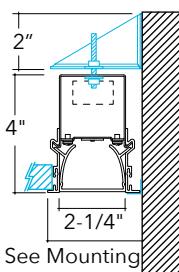


Housing

- 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).

EV2DPM

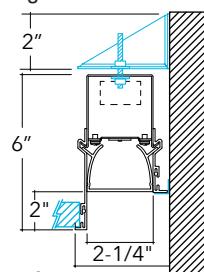
Edge 2, Perimeter



See Mounting

EV2DPM2

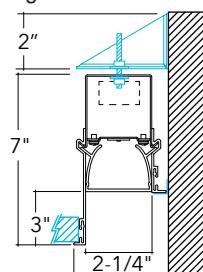
Edge 2, Perimeter
2" Recess



See Mounting

EV2DPM3

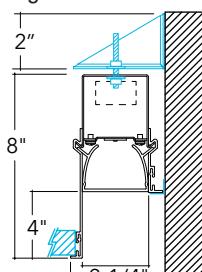
Edge 2, Perimeter
3" Recess



See Mounting

EV2DPM4

Edge 2, Perimeter
4" Recess

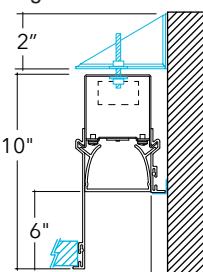


See Mounting

MOD

EV2DPM6

Edge 2, Perimeter
6" Recess



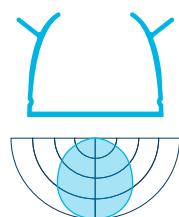
See Mounting

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.

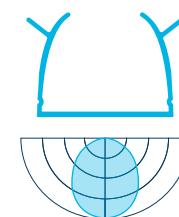
A

Satine Lens



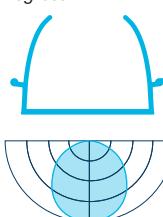
HE

High Efficiency



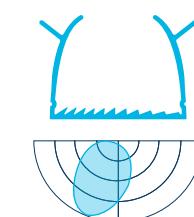
R

Regress
1-1/8" regress



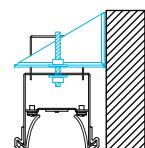
WHE

Asymmetric



Regress Detail

EV2PM



Source: White LED¹

- 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. 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	HE	High Efficiency	LPW	Watts/ft	LPW	Watts/ft	LPW
830	3000K	500	103	4.9	123	4.1	98	5.1	120	4.2
830HO	3000K	750	105	7.2	123	6.1	99	7.6	120	6.3
830VHO	3000K	1000	106	9.4	126	8.0	N/A		123	8.2
835	3500K	500	106	4.7	122	4.1	101	5.0	124	4.0
835HO	3500K	750	108	6.9	127	5.9	101	7.5	123	6.1
835VHO	3500K	1000	108	9.2	130	7.7	102	9.8	127	7.9
840	4000K	500	106	4.7	122	4.1	101	5.0	124	4.0
840HO	4000K	750	108	6.9	127	5.9	101	7.5	123	6.1
840VHO	4000K	1000	108	9.2	130	7.7	102	9.8	127	7.9

90 CRI

927	2700K	500	84	5.9	102	4.9	79	6.4	99	5.0
927HO	2700K	750	86	8.7	102	7.4	80	9.3	99	7.6
930	3000K	500	93	5.4	109	4.6	86	5.8	106	4.7
930HO	3000K	750	94	8.0	111	6.8	88	8.5	108	6.9
935	3500K	500	92	5.4	108	4.6	86	5.8	106	4.7
935HO	3500K	750	94	8.0	111	6.8	88	8.6	108	7.0
940	4000K	500	92	5.4	108	4.6	86	5.8	106	4.7
940HO	4000K	750	94	8.0	111	6.8	88	8.6	108	7.0

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

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

Length

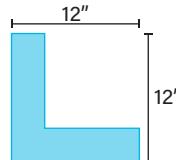
- All individual units cannot be joined, end trims are factory installed and cannot be removed
- Refer to Pattern section for specification and ordering options
- Continuous Rows are made up of even and odd length fixtures; designed to fall on-grid

2	3	4	5	6	7	8	—
Indiv. Fixture	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)							

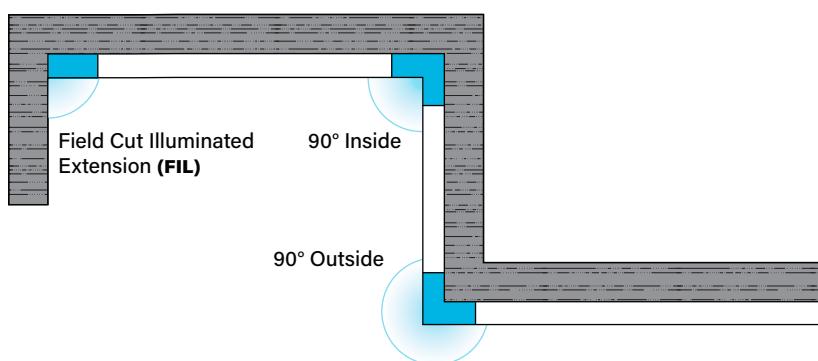
Specify to the 1/8" >>>

Pattern

- Specify pattern shape and overall dimensions (includes corner dimensions)
- 90 degree horizontal corners are 12" x 12" (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



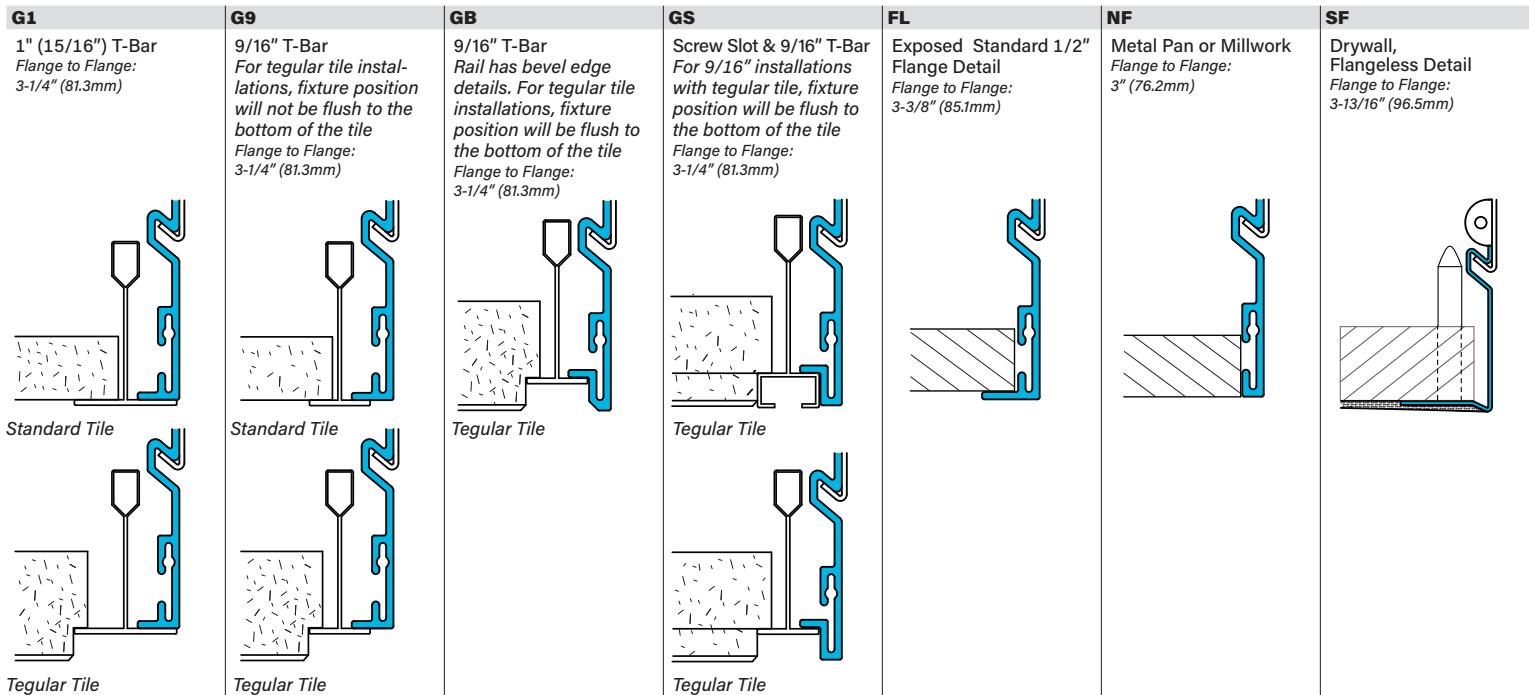
SI_	SO_	RI_x_	RO_x_	UI_x_x_	UO_x_x_	LI_x_	LO_x_
Square, Inside (SI) or Outside (SO) Provide overall length dimension for each fixture leg	Rectangle, Inside (RI) or Outside (RO) Provide overall length dimension for each fixture leg	U-Shape, Inside (UI) or Outside (UO) Provide overall length dimension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



Mounting: MOD Options

- Specify **MOD** in the part number for any of the below options
- MOD specifications are subject to longer lead-times. Consult factory for more information

MOD

Alternative Ceiling Solutions

Voltage

- Some EV2D 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 EV2D 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

How to Specify Circuiting, Battery and Emergency

1

- Select fixture circuiting from options below
- Some EV2D 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

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 EV2D 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

- 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

0	No Battery
FSB	Factory Select Battery (10w option)
FSBT	Factory Select Battery (10w, Self Testing)
ILL	Iota 10w Integral Lithium, Self Testing
PLL	Bodine 10w Integral Lithium, Self Testing

- 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

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

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

- Combine battery and emergency section ordering codes if both options are selected

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

Quick Ship

Shielding | Source | Mounting | Voltage | Driver | Circuiting | Battery | Finish | Options

10-Day

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

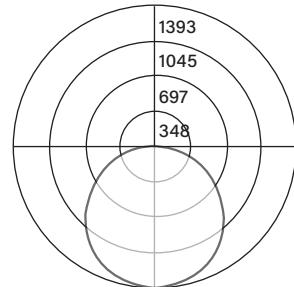
- Consult factory for **MOD** specification details, pricing, and lead-time information

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

Photometrics

Satine Lens

Test # ITL91423
Catalog # EV2D-A-840VHO-4
Lumens 3984 lm
Watts 36.2 w
Efficacy 110 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1393	1393	1393	1393	1393
5	1388	1387	1388	1390	1390
10	1372	1370	1375	1375	1373
15	1343	1339	1347	1345	1343
20	1302	1295	1302	1301	1298
25	1250	1241	1250	1247	1243
30	1187	1178	1186	1183	1178
35	1114	1105	1112	1105	1102
40	1032	1024	1028	1021	1018
45	942	935	937	930	927
50	846	838	838	832	828
55	739	730	731	723	722
60	627	621	618	612	610
65	508	505	499	494	491
70	387	383	377	375	374
75	264	263	258	255	256
80	148	146	146	145	144
85	52	53	54	55	54
90	0	0	0	0	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	19508	19404	19197
55	18867	18663	18433
65	17602	17290	17013
75	14937	14597	14484
85	8737	9073	9073

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 for mounting type, runs are 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 = 65,900 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 81°F/27°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.