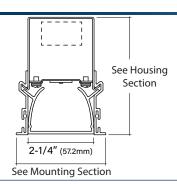
te _____Type







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) <u>Declared</u>

















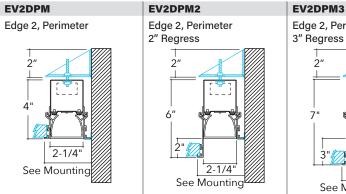
Example Part #: EV2DPM2-HE-830HO-26'-G1-U-FSD-1-0-W

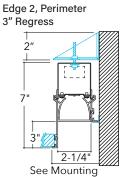
HOUSING SHIELDING SOURCE LENGT. PATTER	H OR MOUNTING VOLTAGE DRIVER	CIRCUITING BATTERY & FINISH FIXTU EMERGENCY OPTIC	
HOUSING	SHIELDING	SOURCE QŞ,1	LENGTH OR PATTERN Q5,2
EV2DPM - Edge 2, Perimeter QS↓ EV2DPM2 - Edge 2, Perimeter, 2" Regress QS↓ EV2DPM3 - Edge 2, Perimeter, 3" Regress QS↓ EV2DPM4 - Edge 2, Perimeter, 4" Regress QS↓ MOD - Modifications Available Housing pg. 2	A - Satine Lens QŞ₊ HE - High Efficiency Lens QŞ₊ R - Regress Lens WHE - Asymmetric Lens QŞ₊ Shielding pg. 2	_27 2700K _30 3000K _35 3500K _40 4000K CL Custom Lumens CW Custom Watts MOD - Mod options available Lumen Output pg. 2-3	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 Lo _ x Outside L Shape Length pg. 3
	_		-
MOUNTING	VOLTAGE	DRIVER	CIRCUITING
G1 - 1" (15/16") T Bar Q \mathbb{Q} G9 - 9/16" T Bar Q \mathbb{Q} GB - 9/16" Bevel T Bar \mathbb{Q} \mathbb{Q} S- Screw Slot T Bar \mathbb{Q} \mathbb{Q} FL - 1/2" Flange \mathbb{Q} \mathbb{Q} NF - Non Flange \mathbb{Q} \mathbb{Q} SF - Spackle Flange \mathbb{Q} \mathbb{Q} MOD - Mod options available Mounting pg. 4	U - Universal QŞ, (120 thru 277V) 1 - 120V QŞ, 2 - 277V QŞ, 3 - 347V Voltage pg. 4	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 Driver pg. 5	1 - Single Circuit QS M - Multi Circuit E - Emergency QS (entire fixture) N - Night Light QS (entire fixture) Circuiting pg. 5
BATTERY & EMERGENCY ³	FINISH	FIXTURE OPTIONS ^{4,5}	CONTROLS ⁶
O - None QSFSB - Factory Select Battery QSFSG - Factory Select ALCR GB - Bodine GTD _GI - lota ETS DR _ILL - lota 10W _PLL - Bodine 10W _E - Emergency Circuit Section _N - Night Light Circuit Section _L - Life Safety Circuit Section _Battery and Emergency pg. 5-6	W - White QS. S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color Finish pg. 6	QS - Quick Ship QS_CP - Chicago Plenum QS_GLR - Internal Fast Blow Fuse QS_FIL- Field Cut Illuminated Extension QS_DSP - Customer Supplied Battery/Driver/SensorBA - Buy America(n) Act and/or Build America Buy America Compliant MOD - Mod options available Fixture Options pg. 6	MOD - Mod options available Controls pg. 7

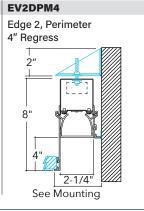
"When specifying SOURCE the first _ is for specifying either **8** - 80CRI or **9** - 90CRI. The ending _ are for specifying output, example **HO** - High Output. See output charts for more information. Individual fixtures come in **2'**, **3'**, **4'**, **5'**, **6'**, **7'** & **8'** lengths. Continuous row come in 1/8" increments. For Patterns, specify pattern shape and overall dimensions. Example: L6x4: L pattern that is 6'x4'. Enter quantity for Battery and Emergency, Example 2PLL. *QS must be used in part number when QuickShip. *Compliance is configuration dependent; consult factory for confirmation. *Controls can only be used with Single Circuit (1) or Emergency Circuit (E). See Controls chart on page 5 for driver options and more information.

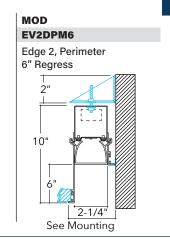
Housing

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).



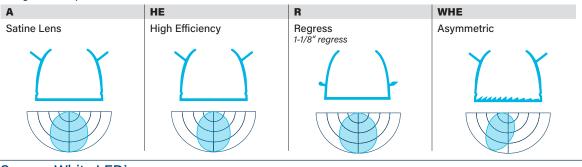






Shielding

- 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.



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

ON CDI

940HO

4000K

750

80 CHI										
	Color	Lumens	Shield	ling ¹						
		per foot	Α	•	HE		R		WHE	
			Satine		High Ef	fficiency	Regress	Lens	Asymm	etric
			LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft
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										
	070016	1=00	lo.	1=0	1400	Lan	1-0	lo.	امما	1=0
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

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

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.

108

7.0

8.6

94

8.0

111

6.8

88





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

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

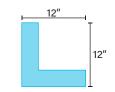
Length

- 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

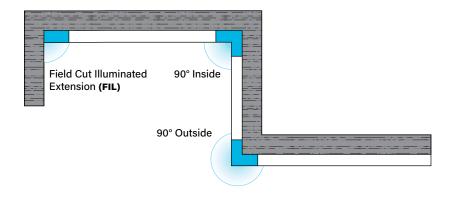


Pattern

- 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 Outsi <i>Provide overall leng</i> <i>each fixture leg</i>	` '	Rectangle, Inside (RI) or Outsi Provide overall leng each fixture leg	` '	U-Shape, Inside (UI) or Outsi <i>Provide overall leng</i> <i>each fixture leg</i>	` '	L-Shape, Inside (LI) or Outsi Provide overall leng each fixture leg	` '

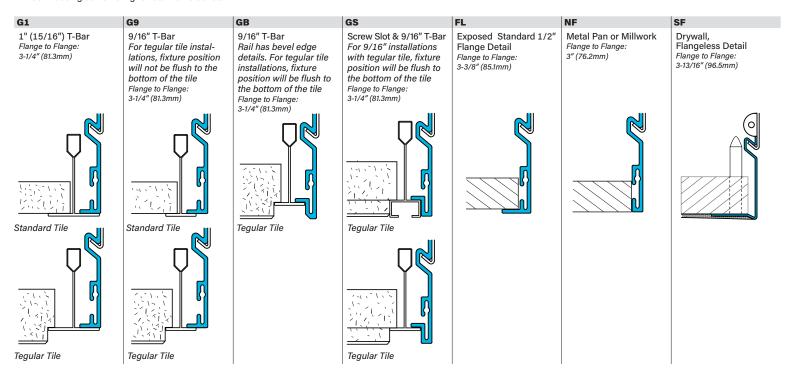




Mounting

- 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 $\boldsymbol{\mathsf{MOD}}$ 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
INIOD	Alternative Celling	JUIULIUIIS

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

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
Alternate Driv	ers
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

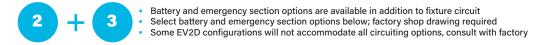
How to Specify Circuiting, Battery and Emergency



- 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 (Not available with controls)
E	Emergency Circuit only
N	Night Light Circuit only



Battery and/or Emergency If Required

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

 Entire fixture is on battery for lengths up t 	to 5'	
---	-------	--

- Largest reflector section is on battery for 6, 7' and 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

No Battery FSB Factory Select Battery (10w option) FSBST Factory Select Battery (10w, Self Testing) lota 10w Integral Lithium, Self Testing ILL _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

_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

QS	Quick Ship
СР	Chicago Plenum
GLR	Internal Fast Blow Fuse
DSP	Customer Supplied Battery/Driver/Sensor
FIL	Field Cut Illuminated Extension

- FIL Option angle range is 40° to 90°
- FIL Option is not IC rated
- Domestic content option compliance is configuration dependent; consult factory for conformation

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

Quick Ship

Shielding	Source	Mou	inting	Vo	ltage	Driv	er	Cir	cuiting	Batte	ery	Fir	nish	Optio	ons
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		Factory Select Driver (1%, 0-10v)		Single Circuit Emergency Night Light	0 FSB	None Factory Select Battery		White		Chicago Plenum Fast Blow Fuse 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



Controls: MOD Options

- Specify $\boldsymbol{\mathsf{MOD}}$ in the part number for any of the below options
- Control Options may require specific driver. Refer to the chart below

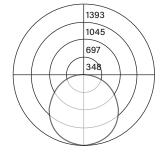
Consult factory for MOD specification details, pricing, and lead-time information

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

Photometrics

Satine Lens

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



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	Average	Average	Average			
Degrees	0-Deg	45-Deg	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.