

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	LENGTH OR PATTERN ²
EV4DPM - Edge 4, Perimeter QS	A - Satine Lens QS	27 - 2700K	--- Individual Fixture
EV4DPM2 - Edge 4, Perimeter, 2" Regress QS	HE - High Efficiency Lens QS	30 - 3000K	--- Continuous Row
EV4DPM3 - Edge 4, Perimeter, 3" Regress QS	R - Regress Lens	35 - 3500K	SI - Inside Square
EV4DPM4 - Edge 4, Perimeter, 4" Regress QS	WHE - Asymmetric Lens QS	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 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	U - Universal QS (120 thru 277V) 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	1 - Single Circuit QS M - Multi Circuit E - Emergency QS (entire fixture) N - Night Light QS (entire fixture) <i>Circuiting pg. 5</i>

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>

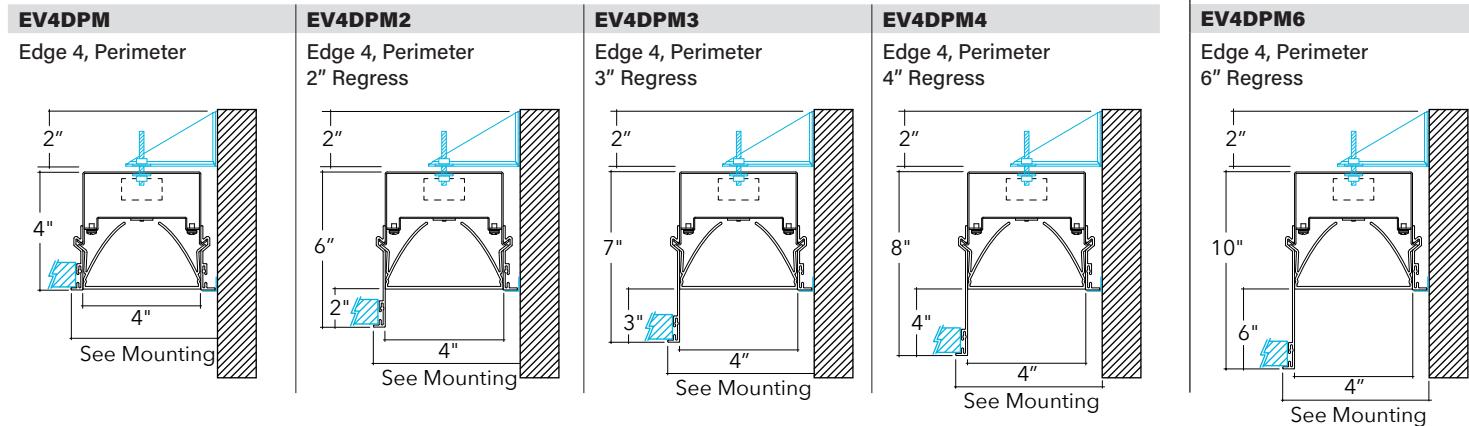
¹When specifying SOURCE the first _ is for specifying either **8** - 80CRI, **9** - 90CRI. The ending _ are for specifying output, example **HO** - High Output. See output charts for more information. ²Individual fixtures come in **2'**, **3'**, **4'**, **5'**, **6'**, **7'** & **8'** lengths. Continuous 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.

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.



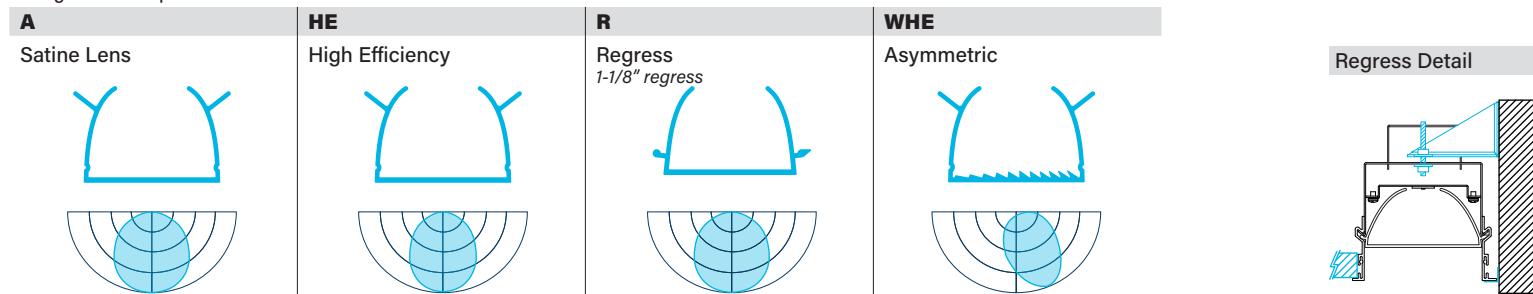
Housing

- 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.



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		500	114	4.4	126	4.0	103	4.9	123	4.1
830HO	3000K	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		500	118	4.3	130	3.9	104	4.8	127	4.0
835HO	3500K	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		500	118	4.3	130	3.9	104	4.8	127	4.0
840HO	4000K	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		500	94	5.3	106	4.7	83	6.0	103	4.8
927HO	2700K	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		500	103	4.9	115	4.3	91	5.5	113	4.4
930HO	3000K	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		500	103	4.9	115	4.3	90	5.5	112	4.5
935HO	3500K	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		500	103	4.9	115	4.3	90	5.5	112	4.5
940HO	4000K	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

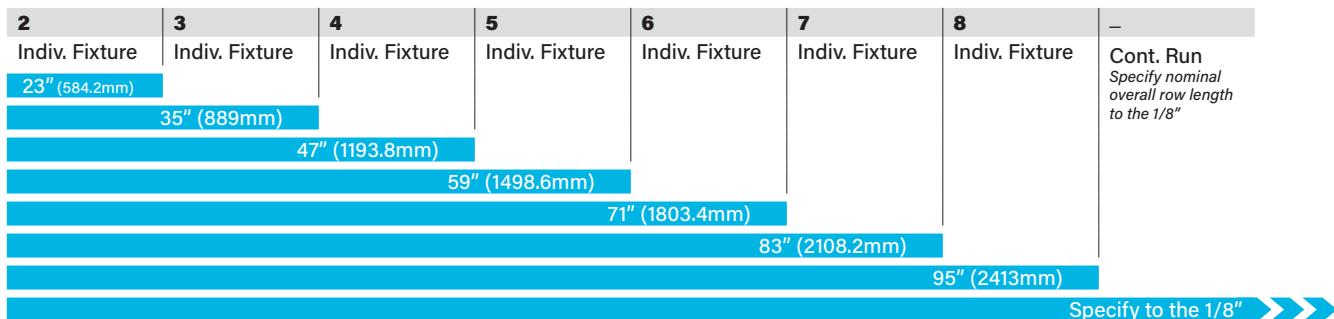
- Specify **MOD** in the part number for any of the below options
- All **RGB** Source Options will require specific driver and control

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

MOD	Color Changing RGB LED	Required Driver	Required Control
	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

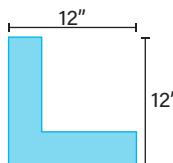
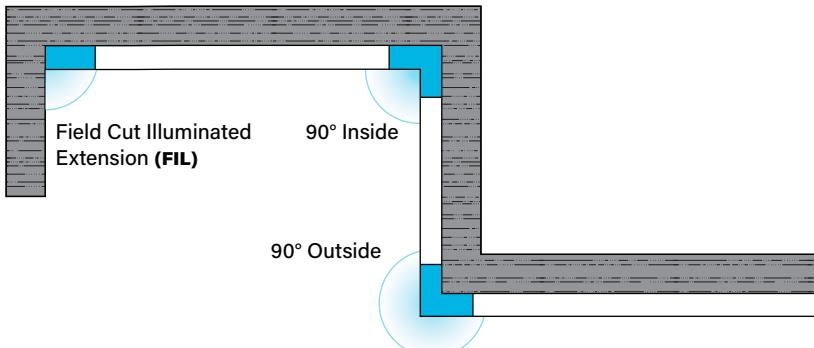


Pattern

- 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				

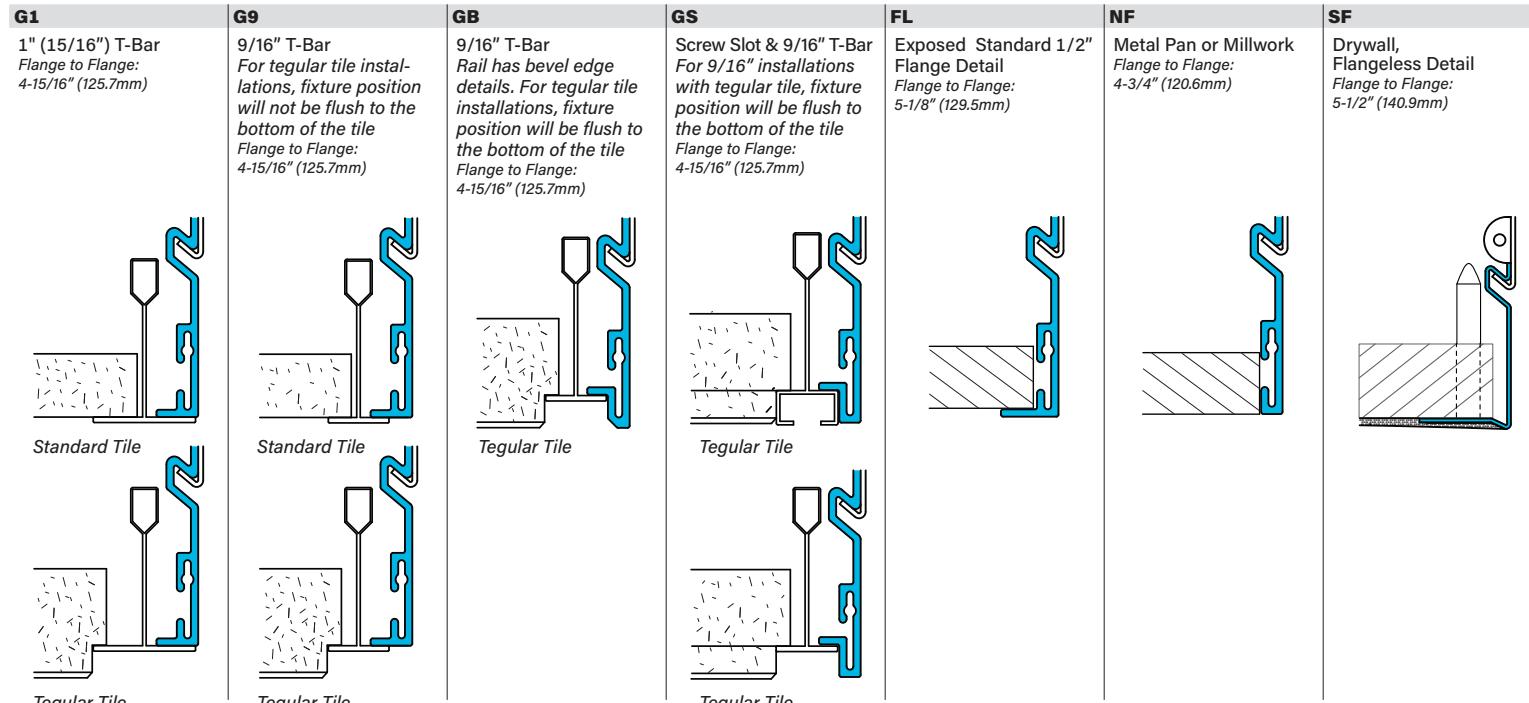




Mounting

- 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



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

How to Specify Circuiting, Battery and Emergency

1

- 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

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 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



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

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	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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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

MOD	Legrand Wattstopper DLM
	Lutron Athena Sensor
	Lutron Athena Connected
	Acuity nLight Air Wireless Connected

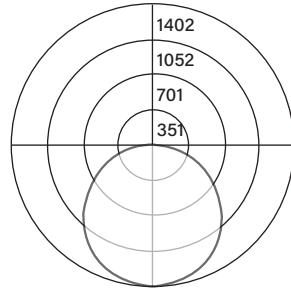
- Consult factory for **MOD** specification details, pricing, and lead-time information

Ordering Code	Required Driver
DLMFC	OL2, OL4
AWNS	OD1, PR1, OL5, PL5
AWNR	OD1, PR1, OL5, PL5
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
0	1400	1400	1400	1400
5	1393	1395	1397	1398
10	1379	1382	1382	1379
15	1348	1344	1350	1350
20	1306	1298	1306	1307
25	1253	1245	1253	1254
30	1191	1178	1185	1184
35	1112	1104	1112	1108
40	1030	1023	1029	1027
45	940	932	935	932
50	839	834	836	833
55	734	730	730	729
60	624	618	619	618
65	507	504	503	501
70	388	386	387	388
75	269	268	271	273
80	156	160	164	166
85	65	66	70	73
90	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.