

See Housing  
Section

# EDGE EV4DPM

## 4" Recessed Perimeter

### Key Features

- Extruded aluminum trim with formed cold rolled 18 gauge steel back box housing
- Highly reflective white painted steel reflector
- 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
- Maximum fixture weight is 15lbs per 4ft fixture
- Room-Side Maintenance for LED system
- Buy American Act compliant
- Indigo-Clean available, see Indigo-Clean specification sheets for details



Example Part #: EV4DPM2-HE-830HO-26'-G1-U-PL2-1-0-W

HOUSING	SHIELDING	SOURCE	LENGTH OR PATTERN	MOUNTING	VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	FIXTURE OPTIONS	CONTROLS
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HOUSING	SHIELDING	SOURCE	LENGTH OR PATTERN <sup>2</sup>								
<b>EV4DPM</b> - Edge 3, Perimeter <b>EV4DPM2</b> - Edge 3, Perimeter, 2" Regress <b>EV4DPM3</b> - Edge 3, Perimeter, 3" Regress <b>EV4DPM4</b> - Edge 3, Perimeter, 4" Regress <b>MOD</b> - Modifications Available <i>Housing pg. 2</i>	<b>A</b> - Satine Lens <b>HE</b> - High Efficiency Lens <b>R</b> - Regress Lens <b>WHE</b> - Asymmetric Lens <i>Shielding pg. 2</i>	<b>_27_</b> - 2700K <b>_30_</b> - 3000K <b>_35_</b> - 3500K ( <i>available as BIOS</i> ) <b>_40_</b> - 4000K ( <i>available as BIOS</i> ) <b>TW3</b> - Tunable White ( <i>Blanco 3</i> ) <b>CL</b> - Custom Lumens <b>CW</b> - Custom Watts <b>MOD</b> - Mod options available <i>Lumen Output pg. 2-3</i>	<b>_</b> - Individual Fixture <b>_</b> - Continuous Row <b>SI</b> - Inside Square <b>SO</b> - Outside Square <b>RI_x</b> - Inside Rectangle <b>RO_x</b> - Outside Rectangle <b>UI_x</b> - Inside U Shape <b>UO_x</b> - Outside U Shape <b>LI_x</b> - Inside L Shape <b>LO_x</b> - Outside L Shape <i>Length pg. 3</i>								
MOUNTING <sup>3</sup>	VOLTAGE	DRIVER	CIRCUITING								
<b>G1</b> - 1" (15/16") T Bar <b>G9</b> - 9/16" T Bar <b>GB</b> - 9/16" Bevel T Bar <b>GS</b> - Screw Slot T Bar <b>FL</b> - 1/2" Flange <b>NF</b> - Non Flange <b>SF</b> - Spackle Flange <b>MOD</b> - Mod options available <i>Mounting pg. 3</i>	<b>U</b> - Universal (120 thru 277V) <b>1</b> - 120V <b>2</b> - 277V <b>3</b> - 347V <i>Voltage pg. 5</i>	<b>FSD</b> - Factory Select Driver (1%, 0-10v) <b>PL2</b> - Advance Xitanium (1%, 0-10v) <b>OL2</b> - Osram (1%, 0-10v) <b>OL4</b> - Osram 347v (1%, 0-10v) <b>EE1</b> - eldoLED ECODrive (1%, 0-10v) <b>ES1</b> - eldoLED SOLOdrive (0.1%, 0-10v) <b>LH1</b> - Lutron Hi-lume (1%, EcoSystem) <b>L51</b> - Lutron 5-Series (5%, EcoSystem) <b>PR1</b> - Advance Xitanium SR <b>MOD</b> - Mod options available <i>Driver pg. 5</i>	<b>1</b> - Single Circuit <b>M</b> - Multi Circuit <b>E</b> - Emergency ( <i>entire fixture</i> ) <b>N</b> - Night Light ( <i>entire fixture</i> ) <i>Circuiting pg. 5</i>								
BATTERY & EMERGENCY <sup>4</sup>	FINISH	FIXTURE OPTIONS	CONTROLS <sup>6</sup>								
<b>0</b> - None <b>_FSB</b> - Factory Select Battery <b>_FSG</b> - Factory Select ALCR <b>_GB</b> - Bodine GTD <b>_GI</b> - Iota ETS DR <b>_IC</b> - Iota 10W ( <i>CEC Listed</i> ) <b>_P</b> - Bodine 10W <b>_E</b> - Emergency Circuit Section <b>_N</b> - Night Light Circuit Section <b>_L</b> - Life Safety Circuit Section <i>Battery and Emergency pg. 6</i>	<b>W</b> - White <b>S</b> - Metallic Silver <b>BL</b> - Textured Black <b>BR</b> - Bronze <b>GR</b> - Graphite <b>CC</b> - Custom Color <i>Finish pg. 6</i>	<b>CP</b> - Chicago Plenum <b>GLR</b> - Internal Fast Blow Fuse <b>FIL</b> - Field Cut Illuminated Extension <b>DSP</b> - Customer Supplied Battery/Driver/ Sensor <b>MOD</b> - Mod options available <i>Fixture Options pg. 6</i>	<b>B3LM</b> - Wattstopper Blanco 3 DLM ( <i>wired</i> ) <b>MOD</b> - Mod options available <i>Controls pg. 7</i>								

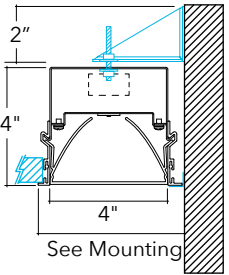
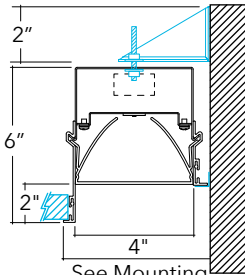
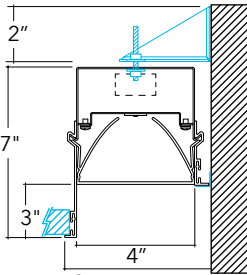
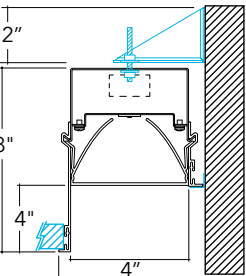
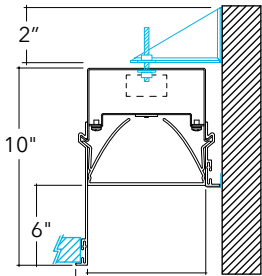
<sup>1</sup>When specifying SOURCE the first \_ is for specifying either **8** - 80CRI, **9** - 90CRI or **B** - BIOS. The ending \_ are for specifying output, example **HO** - High Output. When specifying BIOS use **B** and then specify color temperature, either 3500K or 4000K, and output, example **B35HO** - BIOS 3500K High Output. See output charts for more information. BIOS dynamic available, please contact factory for more information. <sup>2</sup>Individual fixtures come in **2', 3', 4', 5', 6', 7' & 8'** lengths. Continuous row come in 1/8" increments. <sup>3</sup>Specify mounting for individual or continuous length: **G1, G9, GS, FL, NF & SF** for continuous rows, **G1G, G9G, GSG, FLF, NFN & SFS** for individual lengths. <sup>4</sup>Enter quantity for Battery and Emergency, Example 2P. <sup>5</sup>Controls can only be used with Single Circuit (**1**) or Emergency Circuit (**E**). See Controls chart on page 6 for driver options and more information.

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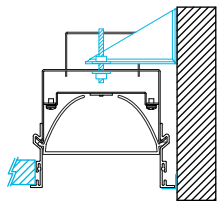
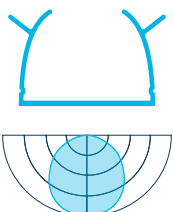
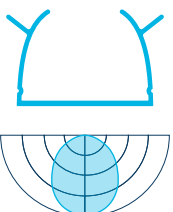
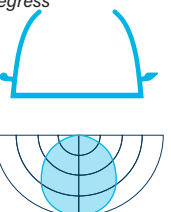
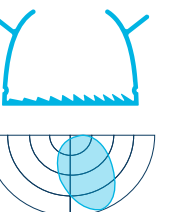
## Housing

- 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 LED<sup>1</sup>

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

## 90 CRI

<b>927</b>	2700K	500	94	5.3	106	4.7	83	6.0	103	4.8
<b>927HO</b>	2700K	750	96	7.8	108	6.9	85	8.8	105	7.1
<b>930</b>	3000K	500	103	4.9	115	4.3	91	5.5	113	4.4
<b>930HO</b>	3000K	750	103	7.3	115	6.5	92	8.1	112	6.7
<b>935</b>	3500K	500	103	4.9	115	4.3	90	5.5	112	4.5
<b>935HO</b>	3500K	750	102	7.3	115	6.5	92	8.1	112	6.7
<b>940</b>	4000K	500	103	4.9	115	4.3	90	5.5	112	4.5
<b>940HO</b>	4000K	750	102	7.3	115	6.5	92	8.1	112	6.7

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

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## Source: BIOS<sup>1</sup>

- CRI >84, R9 >90
- Spectrum focused lighting for circadian stimulus
- High EML or M/P ratio: .8 for 3500K, .9 for 4000K
- COI: ≤3.3
- Available for use with most Driver or Control options

## Custom Output - Lumens OR Wattage

<b>CLB</b> _____	Specify CRI, CCT and desired lumens (i.e. CL835500)	Specify lumens between standard offering listed below. Lumens are specified per color temp
<b>CWB</b> _____	Specify CRI, CCT and desired wattage (i.e. CW9407)	Specify watts between standard offering listed below

## BIOS

	Color	Lumens per foot	Shielding <sup>1</sup>		HE	
			A		High Efficiency	
			Satine LPW	Watts/ft	LPW	Watts/ft
<b>B35</b>	3500K	500	70.1	7.1	81	6.2
<b>B35HO</b>	3500K	750	69.3	10.8	82	9.2
<b>B35VHO</b>	3500K	1000	N/A		79	12.7
<b>B40</b>	4000K	500	72.0	6.9	83	6.0
<b>B40HO</b>	4000K	750	71.3	10.5	84	8.9
<b>B40VHO</b>	4000K	1000	N/A		81	12.3

## Source: Blanco<sup>3</sup>

- CRI >90, R9 >92
- 3 Channel tunable white for precise black body curve CCT
- Allows for high color consistency between fixtures
- Self-commissioning with Wattstopper DLM integrated controls
- Requires Control Ordering Code **B3LM** (pg. 6)
- Requires Drive Ordering Code **EC2** (pg. 4)

## Blanco 3 Tunable White (TW3)

	Range	Shielding <sup>1</sup>			HE		
		A			High Efficiency		
		Lumens/ft	LPW	Watts/ft	Lumens/ft	LPW	Watts/ft
<b>TW3</b>	2700-6500K	653	77	8.5	743	87	8.5

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

## 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

<b>MOD</b>	Required Driver		Required Control	
	Color Changing RGB LED		EC1/EC4	
	Color Changing RGB-W LED		DMX	
	Color Changing RGB-A LED		DMX	
	2 Channel Tunable White		DMX	
	Dynamic BIOS			

## 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
- BIOS and Blanco3 are only available in foot lengths

2	3	4	5	6	7	8	—
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run
23" (584.2mm)							Specify nominal overall row length to the 1/8"
35" (889mm)							
47" (1193.8mm)							
59" (1498.6mm)							
71" (1803.4mm)							
83" (2108.2mm)							
95" (2413mm)							

Specify to the 1/8" >>>>

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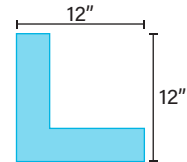
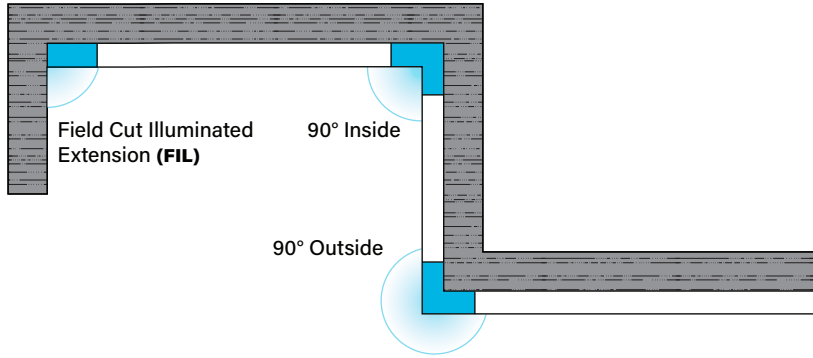
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## Pattern

- 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

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

G1	G9	GB	GS	FL	NF	SF
1" (15/16") T-Bar Flange to Flange: 4-13/16" (96.5mm)	9/16" T-Bar For tegular tile installations, fixture position will not be flush to the bottom of the tile Flange to Flange: 4-13/16" (96.5mm)	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: 4-13/16" (96.5mm)	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: 4-13/16" (96.5mm)	Exposed Standard 1/2" Flange Detail Flange to Flange: 5-1/8" (104.1mm)	Metal Pan or Millwork Flange to Flange: 4-7/16" (86.6mm)	Drywall, Flangeless Detail Flange to Flange: 5-15/16" (126.5mm)
 Standard Tile  Tegular Tile	 Standard Tile  Tegular Tile	 Tegular Tile	 Tegular Tile			

## 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

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## Voltage

- Some EV4D configurations will not accommodate all voltage options; consult with factory

<b>U</b>	Universal
<b>1</b>	120 volt
<b>2</b>	277 volt
<b>3</b>	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

<b>FSD</b>	Factory Select Driver 1%, 0-10v
<b>PL2</b>	Signify Advance Xitanium 1%, 0-10v
<b>PL4</b>	Advance Xitanium 347v 1%, 0-10v, requires 347v
<b>OL2</b>	Osram Optotronic, 1%, 0-10v
<b>OL4</b>	Osram Optotronic 347v, 1% 0-10v, requires 347v option
<b>EE1</b>	eldoLED ECOdrive 1%, 0-10v Logarithmic
<b>EE2</b>	eldoLED ECOdrive 1%, 0-10v Linear
<b>ES1</b>	eldoLED SOLOdrive 0-10v, 0.1% Logarithmic
<b>ES2</b>	eldoLED SOLOdrive 0-10v, 0% Linear
<b>OL5</b>	Osram Optotronic 1%, 0-10v, AUX
<b>PL5</b>	Advance Xitanium 1%, 0-10v, AUX

### DALI Drivers

<b>EE3</b>	eldoLED ECOdrive .1%, DALI (logarithmic)
<b>ES3</b>	eldoLED SOLOdrive .1%, DALI (logarithmic)
<b>OD1</b>	Osram Optotronic 1%, DEXAL
<b>OD2</b>	Osram Optotronic 1%, DALI 2 Channel

### Lutron Drivers

<b>LH1</b>	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
<b>LH4</b>	Lutron Hi-Lume 1%, 2-wire, Lutron-LTEA2W, 120v only

### Alternate Drivers

<b>PS1</b>	Signify Advance Xitanium Step Dimming 50%/100%
<b>PR1</b>	Philips Advance Xitanium SR, requires EASYS, VDO, or VRF
<b>EH1</b>	ELV 120v only, 0-10v universal
<b>EC2</b>	Constant Voltage LED Driver, 120v of 277v required

## 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

<b>MOD</b>	Power Over Ethernet
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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

<b>1</b>	Single Circuit
<b>M</b>	Multi Circuit <i>(Not available with controls)</i>
<b>E</b>	Emergency Circuit only <i>(uses nIO EZ PH ER with NLIGHT)</i>
<b>N</b>	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

### Battery

- Select battery section type if required, indicate total QTY. *Example 2P*
- 90 minute battery runtime; test button location dependant on configuration, consult factory
- No battery option available for 2' & 3' lengths
- Entire fixture is on battery for lengths up to 5'
- Half of fixture is on battery for 6' or 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

<b>0</b>	No Battery
<b>_FSB</b>	Factory Select Battery (10w option)
<b>_FSBST</b>	Factory Select Battery (10w, Self Testing)
<b>_IC</b>	Iota 10w Integral
<b>_ILL</b>	Iota 10w Integral Lithium, Self Testing
<b>_IRH</b>	Iota 20w Remote
<b>_P</b>	Bodine 10w Integral
<b>_PRH</b>	Bodine 20w Remote
<b>_PLL</b>	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

<b>_FSG</b>	Factory Select Automatic Load Control Relay (ALCR), UNV
<b>_GI</b>	Emergency Transfer Switch (ETS) DR Emergency Control Device, UNV
<b>_GB</b>	Bodine GTD, Generator Transfer Device, 120v or 277v
<b>_E</b>	Emergency circuit section
<b>_N</b>	Night Light circuit section
<b>_L</b>	Life Safety circuit section NO THROUGH WIRE

#### Battery OR Emergency Ordering Examples

- Single circuit, 10w Integral Battery      Ordering Code: 1-1P
- Emergency only, 10w Integral Battery      Ordering Code: E-1P
- Single circuit, GTD required      Ordering Code: 1-1G

#### Combination Section Ordering Examples

- Single circuit, (1) 10w battery, (1) emergency section      Ordering Code: 1-1P1E
- Multi circuit, (2) 10w battery, (2) emergency sections      Ordering Code: M-2P2E
- Single circuit, (1) night light section      Ordering Code: 1-1N

### 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

<b>W</b>	White
<b>S</b>	Metallic Silver
<b>BL</b>	Textured Black
<b>GR</b>	Graphite
<b>BR</b>	Bronze
<b>CC</b>	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

<b>CP</b>	Chicago Plenum
<b>GLR</b>	Internal Fast Blow Fuse
<b>DSP</b>	Customer Supplied Battery/Driver/Sensor
<b>FIL</b>	Field Cut Illuminated Extension

### 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

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.

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## Controls: Tunable White

- Pinnacle Lighting offers easy to specify tunable white solutions for integrated building control solutions or standalone controls
- Pinnacle Lighting fixtures ship technology ready; commissioning by others
- Controls can only be used with Single Circuit (1) or Emergency Circuit (E)
- Contact factory for any non-standard configurations for layout or placement

	Solution	Components	Network/Sensor	Connection	Required Drivers	Required LED	Required Controls	Limitations
<b>B3LM</b>	Legrand Wattstopper Blanco 3	BLM3-DLM	Digital Lighting Management (DLM)	Wired, two RJ45 ports	EC2	TW3	B3LM	Not available with 347 volt

## Direct Source: MOD Options

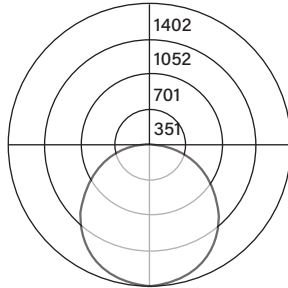
- Specify **MOD** in the part number for any of the below options
- Control** Options may require specific driver. Refer to the chart below
- Consult factory for **MOD** specification details, pricing, and lead-time information

<b>MOD</b>	Legrand Wattstopper DLM	Required Driver
	Encelium Sensilum	OL2, OL4
	Enlighted (Wireless) - ENLI	OD1, OL5
	Enlighted (Wireless) - ENLC	Any 0-10v
	Acuity nLight Air Wireless Connected	Any 0-10v
		EE6, ES6

## 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](http://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.

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## Applications & Certificates

**Housing:** Formed cold-rolled 18 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 GXG, FLF, SFS, NFN for individual, unjoinable units (individual units will fall on-grid). Specify GX, FL, SF, NF for continuous runs (runs designed to fall on-grid). Consult factory for detailed installation instructions. Maximum fixture weight is 15lbs per 4' fixture.

**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. Lifetime Projection L70 = 146,500 hours and L90 = 45,000 hours. MacAdam 3-Step Ellipses. Not all products are Lighting Facts listed. For all available IES files, please visit our website at [pinnacle-ltg.com](http://pinnacle-ltg.com). 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.

**BIOS LED:** Spectrum focused lighting for circadian stimulus. EML or M/P ratio: .8 for 3500K, .9 for 4000K. COI >3.0. 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.

**Tunable White LED:** Blanco 3; 3 Channel tunable white for precise black body curve CCT. Self-commissioning with Wattstopper DLM integrated controls. Custom lumen output and color temperature configurations require use of controls.

**Voltage:** Universal (U), 120 volt (1), 277 volt (2) and 347 volt (3) options available. Must specify 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 Advance Xitanium 0-10V, 1% = PL2. 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 98°F/37°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:** (B3LM) Wattstopper control of Intensity and CCT for tunable white, allows simple integration into a Wattstopper DLM control system. Blanco 3 offers the highest quality tunable white by mixing three channels of white LEDs for precise black body curve CCT. Uses constant voltage LED driver (EC2), BLM and Blanco 3 channel LED arrays (TW3).

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

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

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