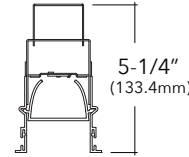


# EDGE EV2D

## 2" Recessed Linear



### 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



Example Part #: EV2D-HE-830HO-26'-G1-U-OL1-1-0-W



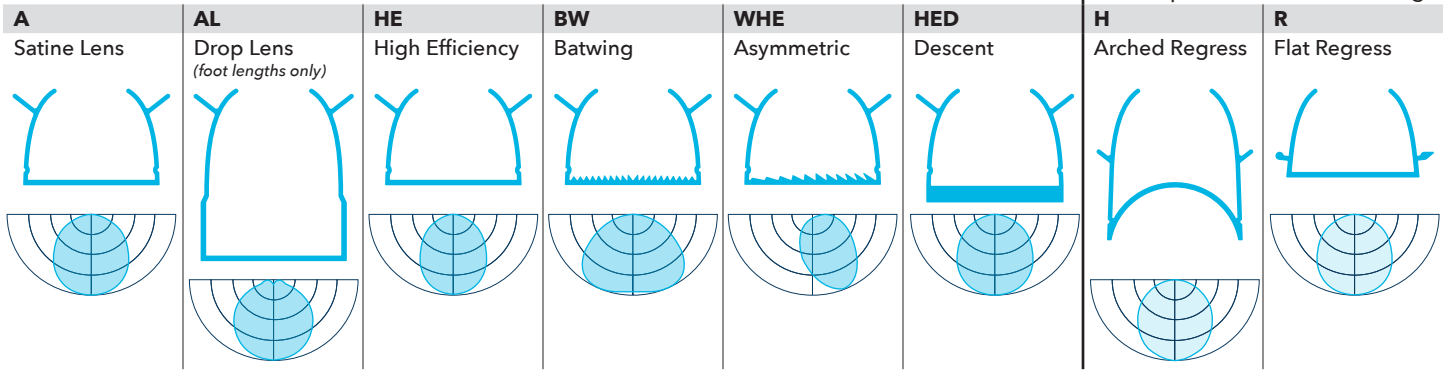
SHIELDING	SOURCE <sup>1</sup>	LENGTH OR PATTERN <sup>2</sup>	MOUNTING <sup>3</sup>
<b>A</b> - Satine Lens <b>AL</b> - Drop Lens <b>HE</b> - High Efficiency Lens <b>HED</b> - Descent Lens <b>BW</b> - Batwing <b>WHE</b> - Asymmetric <b>H</b> - Arched Regress Lens <b>R</b> - Regress Lens <i>Shielding pg. 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 <i>Lumen Output pg. 2-3</i>	- Individual Fixture - Continuous Row <b>L_x</b> - L Shape <b>R_x</b> - Rectangle <b>S</b> - Square <b>U_x</b> - U Shape <b>T_x</b> - T Shape <b>X_x_x</b> - X Shape <b>WC_x</b> - Wall to Ceiling <b>M</b> - Mod Layout <i>Length and Pattern pg. 3</i>	<b>G1(G)</b> - 1" (15/16") T Bar <b>G9(G)</b> - 9/16" T Bar <b>GB(G)</b> - 9/16" Bevel T Bar <b>GS(G)</b> - Screw Slot T Bar <b>FL(F)</b> - 1/2" Flange <b>NF(N)</b> - Non Flange <b>SF(S)</b> - Spackle Flange <i>Mounting pg. 4</i>
VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY <sup>4</sup>
<b>U</b> - Universal (120 thru 277V) <b>1</b> - 120V <b>2</b> - 277V <b>3</b> - 347V <i>Voltage pg. 4</i>	<b>OL1</b> - Osram (10%, 0-10v, standard) <b>OL2</b> - Osram (1%, 0-10v) <b>OL3</b> - Osram 347v (10%, 0-10v) <b>EE1</b> - eldoLED ECOdrive (1%, 0-10v) <b>ES1</b> - eldoLED SOLOdrive (0%, 0-10v) <b>LH1</b> - Lutron Hi-lume (1%, EcoSystem) <b>L51</b> - Lutron 5-Series (5%, EcoSystem) <b>PL2</b> - Philips Xitanium (1%, 0-10v) <b>PS1</b> - Philips Xitanium (50%/100%) <b>ND</b> - Non-Dimming <i>Driver pg. 4</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>	<b>0</b> - None <b>_PLL</b> - Philips Bodine 10W <b>_E</b> - Emergency Circuit Section <b>_N</b> - Night Light Circuit Section <b>_L</b> - Life Safety Circuit Section <b>_G</b> - Philips Bodine GTD <i>Battery and Emergency pg. 5</i>
FINISH	FIXTURE OPTIONS	CONTROLS <sup>5</sup>	
<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. 5</i>	<b>CP</b> - Chicago Plenum <b>PM</b> - Perimeter Mount <b>RC</b> - Rotating Crossbar <b>GLR</b> - Internal Fast Blow Fuse <i>Fixture Options pg. 5</i>	<b>DLMFC</b> - Wattstopper DLM ( <i>wired</i> ) <b>NLTAIR</b> - Acuity nLight AIR ( <i>wireless</i> ) <b>EASYS</b> - Philips EasySense ( <i>wireless</i> ) <b>SNSLM</b> - Osram Sensilum ( <i>wireless</i> ) <b>WVLX</b> - Eaton Wavelinx ( <i>wireless</i> ) <b>VDO</b> - Lutron Vive Sensor ( <i>wireless</i> ) <b>VRF</b> - Lutron Vive Connected ( <i>wireless</i> ) <b>ENL</b> - Enlighted ( <i>wireless</i> ) <i>Controls pg. 6</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. <sup>2</sup>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'. <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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**Shielding**



**Source: White LED<sup>1</sup>**

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory
- 80 CRI = R9≥19 and 90 CRI = R9≥61

**Custom Output - Lumens OR Wattage**

<b>CL</b> _____	Specify CRI, CCT and desired lumens (i.e. CL835500)	Specify lumens between standard offering listed below. Lumens are specified per color temp
<b>CW</b> _____	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>															
			A Satine		AL Drop		HE High Efficiency		BW Batwing		WHE Asymmetric		HED Descent		H Arched Regress		R Regress	
			LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft
<b>830</b>	3000K	500	101.6	4.9	104	4.8	120	4.2	116	4.3	117	4.3	100.5	5.0	81	6.2	96	5.2
<b>830HO</b>	3000K	750	102.5	7.3	104	7.2	121	6.2	118	6.4	118	6.4	101.4	7.4	N/A	N/A	N/A	N/A
<b>830VHO</b>	3000K	1000	N/A	N/A	N/A	N/A	121	8.3	117	8.5	118	8.5	N/A	N/A	N/A	N/A	N/A	N/A
<b>835</b>	3500K	500	104.4	4.8	106	4.7	123	4.1	119	4.2	120	4.2	103.3	4.8	83	6.0	97	5.1
<b>835HO</b>	3500K	750	104.8	7.2	107	7.0	124	6.1	120	6.2	121	6.2	103.6	7.2	N/A	N/A	N/A	N/A
<b>835VHO</b>	3500K	1000	N/A	N/A	N/A	N/A	124	8.1	121	8.3	121	8.3	N/A	N/A	N/A	N/A	N/A	N/A
<b>840</b>	4000K	500	104.9	4.8	108	4.6	124	4.0	121	4.1	122	4.1	104.5	4.8	84	5.9	99	5.1
<b>840HO</b>	4000K	750	106.1	7.1	109	6.9	125	6.0	121	6.2	122	6.1	104.9	7.1	N/A	N/A	N/A	N/A
<b>840VHO</b>	4000K	1000	N/A	N/A	N/A	N/A	126	8.0	122	8.2	123	8.2	N/A	N/A	N/A	N/A	N/A	N/A

**90 CRI**

<b>927</b>	2700K	500	84.1	5.9	86	5.8	101	4.9	98	5.1	99	5.1	84.2	5.9	69	7.3	79	6.3
<b>927HO</b>	2700K	750	85.3	8.8	87	8.6	102	7.3	99	7.6	100	7.5	84.3	8.9	N/A	N/A	N/A	N/A
<b>930</b>	3000K	500	87.0	5.7	89	5.6	105	4.8	101	4.9	102	4.9	86.1	5.8	71	7.1	82	6.1
<b>930HO</b>	3000K	750	87.9	8.5	90	8.3	105	7.1	102	7.3	103	7.3	87.0	8.6	N/A	N/A	N/A	N/A
<b>935</b>	3500K	500	89.0	5.6	91	5.5	106	4.7	104	4.8	104	4.8	88.0	5.7	72	6.9	84	5.9
<b>935HO</b>	3500K	750	89.9	8.3	92	8.2	108	7.0	104	7.2	105	7.1	88.9	8.4	N/A	N/A	N/A	N/A
<b>940</b>	4000K	500	88.3	5.7	90	5.5	105	4.7	103	4.9	104	4.8	87.3	5.7	72	7.0	83	6.0
<b>940HO</b>	4000K	750	89.2	8.4	91	8.2	107	7.0	103	7.3	104	7.2	88.2	8.5	N/A	N/A	N/A	N/A

**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
- High COI: >3.0
- 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. CLB35500)	Specify lumens between standard offering listed below. Lumens are specified per color temp
<b>CWB</b> _____	Specify CRI, CCT and desired wattage (i.e. CWB9407)	Specify watts between standard offering listed below

**BIOS**

	Color	Lumens per foot	Shielding <sup>1</sup>					
			A Satine		HE High Efficiency		BW Batwing	
			LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft
<b>B35</b>	3500K	500	62.0	8.1	79	6.3	76	6.6
<b>B35HO</b>	3500K	750	61.4	12.2	78	9.6	76	9.9
<b>B40</b>	4000K	500	61.9	8.1	79	6.3	76	6.6
<b>B40HO</b>	4000K	750	61.3	12.2	78	9.6	76	9.8

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

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Source: Blanco3<sup>1</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)**

TW3	Range	Shielding <sup>1</sup>			HE			BW		
		A	Satine		High Efficiency			Batwing		
		Lumens/ft	LPW	Watts/ft	Lumens/ft	LPW	Watts/ft	Lumens/ft	LPW	Watts/ft
	2700-6500K	647	77	8.5	769	91	8.5	746	88	8.5

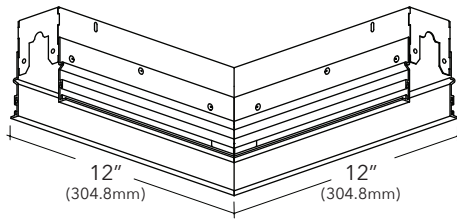
<sup>1</sup>LPW and watts/ft based off 47" fixture size.

**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

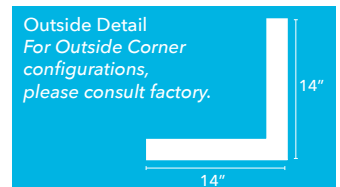
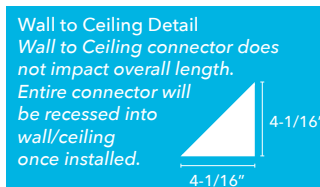
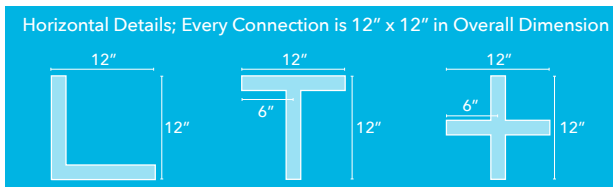
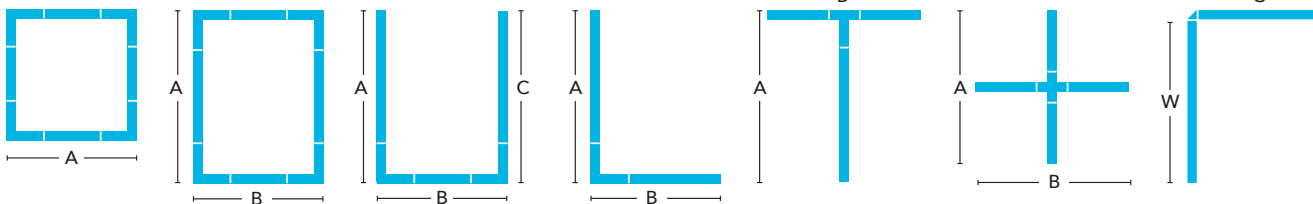
2	3	4	5	6	7	8	-
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run
23" (584.2mm)	35" (889mm)	47" (1193.8mm)	59" (1498.6mm)	71" (1803.4mm)	83" (2108.2mm)	95" (2413mm)	Specify nominal overall row length to the 1/8" not available with H or R shielding options.
							Specify to the 1/8" >>>

**Pattern**



- Specify pattern shape and overall dimensions (includes corner dimensions)
- 90 degree horizontal corners are 12"x12" (overall, outside dimension)
- Angles and shapes not shown require Mod Pattern; consult factory
- Only available with A or HE Lenses
- Not all drivers available with all patterns; consult factory

S_	R_x_	U_x_x_	L_x_	T_x_	X_x_	WC_x_	M
Square Provide A dimension Example: <b>S4'</b> Nominal Length-4'x4' Minimum Length-3'11"x3'11"	Rectangle Provide AxB dimensions Example: <b>R4'x4'</b> Nominal Length-4'x4' Minimum Length-3'11"x3'11"	U-Shape Provide AxBxC dimensions Example: <b>U3'x4'x3'</b> Nominal Length-3'x4'x3' Minimum Length-2'11"x3'11"x2'11"	L-Shape Provide AxB dimensions Example: <b>L3'x3'</b> Nominal Length-3'x3' Minimum Length-2'11"x2'11"	T-Shape Provide AxB dimensions Example: <b>T3'x5'</b> Nominal Length-3'x5' Minimum Length-2'11"x4'10"	X-Shape Provide AxB dimensions Example: <b>X5'x5'</b> Nominal Length-5'x5' Minimum Length-4'10"x4'10"	Wall to Ceiling Provide WxC dimensions Example: <b>WC2'x2'</b> Nominal Length-2'x2' Minimum Length-1'11"x1'11"	ModLayout For patterns or lengths not shown or standard



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## Mounting

- Individual Units, specify G\_G, FLF, SFS, NFN
- Continuous Units, specify G\_-, FL, SF, NF
- 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

<b>G1G</b> Individual Unit	<b>G9G</b>	<b>GBG</b>	<b>GSG</b>	<b>FLF</b>	<b>NFN</b>	<b>SFS</b>
<b>G1</b> Continuous Run or Pattern	<b>G9</b>	<b>GB</b>	<b>GS</b>	<b>FL</b>	<b>NF</b>	<b>SF</b>
1" (15/16") T-Bar Flange to Flange: 3-13/16" (96.8mm)	9/16" T-Bar For tegular tile installations, fixture position will not be flush to the bottom of the tile Flange to Flange: 3-13/16" (96.8mm)	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: 3-13/16" (96.8mm)	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: 3-13/16" (96.8mm)	Exposed Standard 1/2" Flange Detail Flange to Flange: 4-1/8" (104.7mm)	Metal Pan or Millwork Flange to Flange: 3-7/16" (87.3mm)	Drywall, Flangeless Detail Flange to Flange: 5" (127mm)
 Standard Tile	 Standard Tile	 Tegular Tile	 Tegular Tile	 Standard Tile	 Metal Pan or Millwork	 Drywall
 Tegular Tile	 Tegular Tile		 Tegular Tile	<b>RC</b> Optional Rotating Crossbar  Optional Rotating Crossbar	<b>PM</b> Optional Perimeter Mounting Includes bracket and wall rail  Optional Perimeter Mounting	

## Voltage

- Some EV2D 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 = OL1
- 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

<b>OL1</b>	Osram Optotronic 10%, 0-10v
<b>OL2</b>	Osram Optotronic 1%, 0-10v, nominal 1% dimming range
<b>OL3</b>	Osram Optotronic 347v 10%, 0-10v, requires 347v option
<b>EE1</b>	eldoLED ECOdrive 1%, 0-10v Logarithmic
<b>EE2</b>	eldoLED ECOdrive 1%, 0-10v Linear
<b>EE6</b>	eldoLED ECOdrive 1%, for nLight Air Wireless
<b>ES1</b>	eldoLED SOLOdrive 0%, 0-10v Logarithmic
<b>ES2</b>	eldoLED SOLOdrive 0%, 0-10v Linear
<b>ES6</b>	eldoLED SOLOdrive 0%, for nLight Air Wireless
<b>LH1</b>	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
<b>L51</b>	Lutron 5-Series 5%, EcoSystem, LDE5
<b>PL2</b>	Philips Advance Xitanium 1%, 0-10v
<b>PS1</b>	Philips Advance Xitanium Step Dimming 50%/100%
<b>EC2</b>	Constant Voltage LED driver, 120v or 277v required
<b>ND</b>	Non-Dimming

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## 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

<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

- 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*

<b>0</b>	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

#### 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

<b>0</b>	No battery
<b>_P</b>	Philips Bodine 10w Integral Lithium Self Testing <i>CEC Listed</i>

### 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>_E</b>	Emergency circuit section <i>(NLIGHT ONLY full housing not sections)</i>
<b>_N</b>	Night Light circuit section
<b>_L</b>	Life Safety circuit section NO THROUGH WIRE
<b>_G</b>	Philips Bodine GTD, Generator Transfer Device section

#### 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

<b>CP</b>	Chicago Plenum
<b>PM</b>	Perimeter Mount <i>(not available in 2' or 3')</i>
<b>RC</b>	Rotating Crossbar
<b>GLR</b>	Internal Fast Blow Fuse

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## Controls

- Pinnacle Lighting offers easy to specify network control solutions that connect to an intelligent centralized system to maximize lighting energy efficiencies or integral sensors for individual fixture control
- 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
- One drop/sensor per run typical, contact factory for more information

	Solution	Components	Network/Sensor	Connection	Required Drivers	Limitation
<b>DLMFC</b>	Legrand Wattstopper DLM	LMFC-011	Digital Lighting Management (DLM)	Wired, two RJ45 ports	OL1, OL2, OL3	Not available with Battery
<b>NLTAIR</b>	Acuity nLight AIR Wireless Connected	RIO EZDL G2	nLight	Wireless	EE6, ES6	Not available with 347 volt
<b>EASYS</b>	Philips EasySense	SNS-200	Daylight/PIR Occupancy	Wireless to switches	PR1	Not available with 347 volt
<b>SNSLM</b>	Osram Sensilum	EN-CLM-PIR-DD-ZB	Encelium, Daylight/PIR Occupancy	Wireless	OD1, OL1, OL2	Not available with 347 volt
<b>WLVX</b>	Eaton Wavelinx	SWPD1, NSP3IVMVDC1	WaveLinx WCL, Daylight	Wireless	OL1, OL2	Not available with 347 volt
<b>VDO</b>	Lutron Vive Sensor	DFCSJ-OEM-OCC	Vive, Daylight/PIR Occupancy	Wireless	OD1, PR1	Not available with 347 volt
<b>VRF</b>	Lutron Vive Connected	DFCSJ-OEM-RF	Vive	Wireless	OD1, PR1	Not available with 347 volt
<b>ENLI</b>	Enlighted	SU-5E-IOT, CU-4E	Enlighted, Daylight/PIR Occupancy	Wireless	OL1, OL2	Not available with 347 volt
<b>ENLC</b>	Enlighted	SU-5E-CL, CU-4E	Enlighted, Daylight/PIR Occupancy	Wireless	OL1, OLW	Not available with 347 volt

## Controls: Tunable White

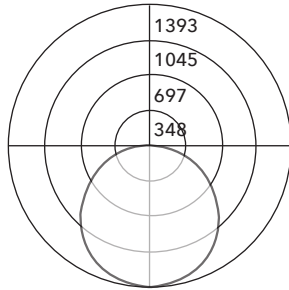
- Pinnacle Lighting offers easy to specify tunable white solutions for integrated building control or standalone controls
- Pinnacle Lighting fixtures ship technology ready; commissioning by others
- Controls can only be used with Single Circuit (1) or Emergency Circuit (E),
- Contact factory for any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

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

## 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](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.

Specifications and dimensions subject to change without notice. Specification sheets that appear on [pinnacle-ltg.com](http://pinnacle-ltg.com) are the most recent version and supersede all other previously printed or electronic versions.



## Applications & Certificates

**Construction:** 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. All 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. 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. 80 CRI = R9≥19 and 90 CRI = R9≥61.

**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. Two lumen packages available. Standard, and High (HO). 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 OL3 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 Osram 0-10V, 10% = OL1. 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 77.4°F/25.2°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.

**MR16:** Ideal for conference rooms, corridors, wall washing, retail spaces and training facilities where accent lighting is required. Fully enclosed compartment eliminates light from entering into our fixture areas. LED lamps are not included. Consult factory for other lamp types. Standard 60 watt max LED electronic transformer (120v or 277v), MR16 installed as an independent circuit. MR16 to match fixture voltage. 277v dimmer must be sourced. Consult factory for MR16 configurations.

**Controls:** DLM utilizes wired network connections for digital control through switching and dimming. nLight Air rES7 sensor provides wireless control, daylight harvesting and occupancy detection with PIR using eldoLED LED drivers. nLight Air rES7 sensor provides wireless control, daylight harvesting and occupancy detection with PDT using eldoLED LED drivers. nLight Air rIO module provides wireless control using eldoLED LED drivers. EasySense sensor provides daylight harvesting and PIR occupancy detection using the SR LED driver; the Philips app provides advanced configurations. ENCELIUM SensiLUM sensor provides wireless control, daylight harvesting and PIR occupancy; driver data is available when using the DEXAL driver. Wavelinx Connected Lighting sensor provides wireless control and daylight harvesting using 0-10V LED drivers. Lutron Vive sensor provides wireless control, daylight harvesting and PIR occupancy detection using DEXAL or SR LED drivers. Lutron Vive module provides wireless control using DEXAL or SR LED drivers. Enlighted Smart Sensor provides multi-functionality including daylight harvesting and PIR occupancy; for IOT platform using 0-10v LED drivers. Enlighted Smart Sensor provides multi-functionality including daylight harvesting and PIR occupancy; for Connected platform using 0-10v LED drivers.

**Labels:** ETL listed conforming to UL1598 and CSA 250. 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.

**Buy American Act Compliant**

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