

# EDGE EX31

## 3" Suspended Indirect Linear

### Key Features

- 6063-T6 Extruded aluminum housing
- Highly reflective = white painted reflector
- Room side maintenance for LED system
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed
- Approved for dry/damp location unless otherwise noted
- Maximum weight is 20 lbs. for a standard 4' fixture
- Buy American Act compliant
- Run lengths Available to an 1/8"
- Indigo-Clean available, see Indigo-Clean specification sheets for details



Example Part #: EX31-N-HE-830HO-26'-AC48G1-U-OL2-1-0-W



<b>N</b>	<b>INDIRECT SHIELDING</b>	<b>SOURCE</b>	<b>LENGTH</b>	<b>MOUNTING</b>	<b>VOLTAGE</b>	<b>DRIVER</b>	<b>CIRCUITING</b>	<b>BATTERY &amp; EMERGENCY</b>	<b>FINISH</b>	<b>FIXTURE OPTIONS</b>
<b>DIRECT SHIELDING</b>	<b>INDIRECT SHIELDING</b>	<b>SOURCE</b>	<b>LENGTH</b>	<b>MOUNTING</b>	<b>VOLTAGE</b>	<b>DRIVER</b>	<b>CIRCUITING</b>	<b>BATTERY &amp; EMERGENCY</b>	<b>FINISH</b>	<b>FIXTURE OPTIONS</b>
<b>N</b>	---	---	---	---	---	---	---	---	---	---
<b>DIRECT SHIELDING</b>	<b>INDIRECT SHIELDING</b>	<b>SOURCE</b> <sup>QS</sup> <sub>1</sub>	<b>LENGTH</b> <sup>2</sup>							
<b>N</b> - None <i>Shielding pg. 2</i>	<b>HE</b> - High Efficiency <sup>QS</sup> <sub>2</sub> <b>BW</b> - Batwing <sup>QS</sup> <sub>2</sub> <b>WHE</b> - Asymmetric <sup>QS</sup> <sub>2</sub> <b>HEA</b> - Ascent <i>Shielding pg. 2</i>	<b>_27_</b> - 2700K <b>_30_</b> - 3000K <b>_35_</b> - 3500K <b>_40_</b> - 4000K <b>TW3</b> - Tunable White ( <i>Blanco 3</i> ) <b>CL</b> - Custom Lumens <b>CW</b> - Custom Watts <i>Lumen Output pg. 2</i>	--- Individual Fixture <sup>QS</sup> <sub>2</sub> --- Continuous Row <sup>QS</sup> <sub>2</sub> <i>Length pg. 3</i>							
<b>MOUNTING</b> <sup>3</sup>	<b>VOLTAGE</b>	<b>DRIVER</b>	<b>CIRCUITING</b>							
<b>AC_G</b> - AC to Grid <sup>QS</sup> <sub>2</sub> <b>AC_JB</b> - AC to J Box <sup>QS</sup> <sub>2</sub> <b>AC_ST</b> - AC to Structure <sup>QS</sup> <sub>2</sub> <b>AC5_G</b> - 5" Non-Power Canopy <b>AC5_JB</b> - 5" Non-Power Canopy <b>SQ_G</b> - 5" Square Canopy <b>SQ_JB</b> - 5" Square Canopy <b>WA</b> - Wall Mount <sup>QS</sup> <sub>2</sub> <i>Mounting pg. 3</i>	<b>U</b> - Universal ( <i>120 thru 277V</i> ) <sup>QS</sup> <sub>2</sub> <b>1</b> - 120V <sup>QS</sup> <sub>2</sub> <b>2</b> - 277V <sup>QS</sup> <sub>2</sub> <b>3</b> - 347V <i>Voltage pg. 4</i>	<b>OL2</b> - Osram ( <i>1%, 0-10v, standard</i> ) <sup>QS</sup> <sub>2</sub> <b>OL3</b> - Osram 347v ( <i>10%, 0-10v</i> ) <b>EE1</b> - eldoLED ECODrive ( <i>1%, 0-10v</i> ) <b>ES1</b> - eldoLED SOLOdrive ( <i>0%, 0-10v</i> ) <b>LH1</b> - Lutron Hi-lume ( <i>1%, EcoSystem</i> ) <sup>QS</sup> <sub>2</sub> <b>L51</b> - Lutron 5-Series ( <i>5%, EcoSystem</i> ) <b>PL2</b> - Advance Xitanium ( <i>1%, 0-10v</i> ) <sup>QS</sup> <sub>2</sub> <b>PR1</b> - Advance Xitanium SR <b>ND</b> - Non-Dimming <sup>QS</sup> <sub>2</sub> <i>Driver pg. 4</i>	<b>1</b> - Single Circuit <sup>QS</sup> <sub>2</sub> <b>M</b> - Multi Circuit <b>E</b> - Emergency ( <i>entire fixture</i> ) <sup>QS</sup> <sub>2</sub> <b>N</b> - Night Light ( <i>entire fixture</i> ) <sup>QS</sup> <sub>2</sub> <i>Circuiting pg. 4</i>							
<b>BATTERY &amp; EMERGENCY</b> <sup>4</sup>	<b>FINISH</b>	<b>FIXTURE OPTIONS</b> <sup>5</sup>	<b>CONTROLS</b> <sup>6</sup>							
<b>0</b> - None <sup>QS</sup> <sub>2</sub> <b>_PL</b> - Bodine 10W Integral <b>_IL</b> - Iota 10W Integral <sup>QS</sup> <sub>2</sub> <b>_E</b> - Emergency Section <b>_N</b> - Night Light Section <b>_L</b> - Life Safety Section <b>_G</b> - Bodine GTD <i>Battery and Emergency pg. 4</i>	<b>W</b> - White <sup>QS</sup> <sub>2</sub> <b>S</b> - Metallic Silver <sup>QS</sup> <sub>2</sub> <b>BL</b> - Textured Black <sup>QS</sup> <sub>2</sub> <b>BR</b> - Bronze <b>GR</b> - Graphite <b>CC</b> - Custom Color <i>Finish pg. 5</i>	<b>QS</b> - Quick Ship <sup>QS</sup> <sub>2</sub> <i>Fixture Options pg. 5</i>	<b>DLMFS</b> - Wattstopper LLLC ( <i>wireless</i> ) <b>EASYS</b> - Philips EasySense ( <i>wireless</i> ) <b>NSNLM</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> ) <i>Controls pg. 5</i>							

<sup>1</sup>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. <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 AC length standard AC is 48"; <sup>4</sup>Specify grid: G1=15/16", G9=9/16", GS=Screw Slot. Example: AC48G1. <sup>5</sup>Enter quantity for Battery and Emergency, Example 2PL. <sup>6</sup>QS must be used in fixture options section of part number to qualify. 1/8" increments not available for QS. <sup>7</sup>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.

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.



## Direct Shielding

<b>N</b>	None
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## Indirect Shielding

<b>HE</b> High Efficiency 	<b>BW</b> Batwing <i>Over Optic</i> 	<b>WHE</b> Asymmetric <i>Over Optic</i> 	<b>HEA</b> Ascent <i>Not available with MAC mounting</i> 
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## 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
- Not all products qualify for DLC listing. For a complete listing of the EV3D products that qualify for DLC, please go to the DLC website.

## 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 <i>per foot</i>	Shielding <sup>1</sup>							
			<b>HE</b> High Efficiency		<b>BW</b> Batwing		<b>WHE</b> Asymmetric		<b>HEA</b> Ascent	
			<i>LPW</i>	<i>Watts/ft</i>	<i>LPW</i>	<i>Watts/ft</i>	<i>LPW</i>	<i>Watts/ft</i>	<i>LPW</i>	<i>Watts/ft</i>
<b>830</b>	3000K	500	132	3.8	126	4.0	102	4.9	128	3.9
<b>830HO</b>	3000K	750	135	5.6	128	5.9	104	7.2	131	5.7
<b>830VHO</b>	3000K	1000	139	7.2	129	7.7	103	9.7	135	7.4
<b>835</b>	3500K	500	136	3.7	130	3.9	105	4.8	132	3.8
<b>835HO</b>	3500K	750	139	5.4	133	5.6	102	7.4	135	5.6
<b>835VHO</b>	3500K	1000	143	7.0	137	7.3	106	9.4	139	7.2
<b>840</b>	4000K	500	136	3.7	130	3.9	105	4.8	132	3.8
<b>840HO</b>	4000K	750	139	5.4	133	5.6	102	7.4	135	5.6
<b>840VHO</b>	4000K	1000	143	7.0	137	7.3	106	9.4	139	7.2

### 90 CRI

<b>927</b>	2700K	500	111	4.5	106	4.7	82	6.1	108	4.6
<b>927HO</b>	2700K	750	109	6.9	104	7.2	85	8.8	106	7.1
<b>927VHO</b>	2700K	1000	113	8.8	109	9.2	83	12.1	110	9.1
<b>930</b>	3000K	500	118	4.2	113	4.4	91	5.5	114	4.4
<b>930HO</b>	3000K	750	119	6.3	112	6.7	93	8.1	114	6.6
<b>930VHO</b>	3000K	1000	124	8.1	118	8.5	91	11.0	120	8.4
<b>935</b>	3500K	500	118	4.2	113	4.4	90	5.5	114	4.4
<b>935HO</b>	3500K	750	118	6.3	112	6.7	93	8.1	113	6.6
<b>935VHO</b>	3500K	1000	123	8.1	118	8.5	90	11.1	119	8.4
<b>940</b>	4000K	500	118	4.2	113	4.4	90	5.5	114	4.4
<b>940HO</b>	4000K	750	118	6.3	112	6.7	93	8.1	113	6.6
<b>940VHO</b>	4000K	1000	123	8.1	118	8.5	90	11.1	119	8.4

## Direct 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)

	Range	Shielding <sup>1</sup>		
		<b>HE</b> High Efficiency		
		<i>Lumens/ft</i>	<i>LPW</i>	<i>Watts/ft</i>
<b>TW3</b>	2700-6500K	727	85	8.5

<sup>1</sup>LPW and watts/ft based off 48" fixture size.

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## Length

- Individual units cannot be joined, end plates are factory installed and cannot be removed
- For Continuous Runs, add 3/16" (4.7mm) for each end plate or 3/8" (9.5mm) to the overall length of the row
- For patterns, refer to Pattern section on next page

2	3	4	5	6	7	8	-
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run
24-3/8" (619.1mm)							Specify nominal overall row length to the 1/8" Longer lead-time may apply for lengths to the 1/8" Consult factory.
36-3/8" (934.8mm)							
	48-3/8" (1228.7mm)						
		60-3/8" (1533.5mm)					
			72-3/8" (1838.3mm)				
				84-3/8" (2143.1mm)			
					96-3/8" (2447.9mm)		

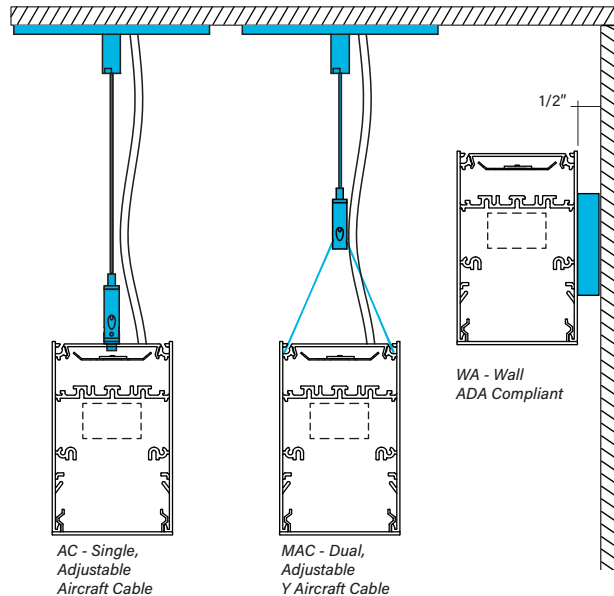
Specify to the 1/8"

## Mounting

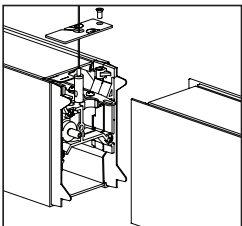
- Specify cable length in ordering code (AC48G1)
- Standard adjustable cable, specify 48", 120", 240", or 350"
- End plates and standard white power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- Maximum recommended movable mounting locations are 12" from end of 4' fixture and 18" from end of 8' fixture
- Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies
- Canopies and pendants match fixture finish, power cords are white, grey, or black depending on fixture finish. See Finish section for additional details.

- Approved for dry/damp location unless otherwise noted
- Refer to installation instructions during installation at the job site
- Maximum fixture weight is 20 lbs for a standard 4' fixture
- MAC options not available with HEA lens option
- For a wall mounted fixture with an indirect asymmetric lens, light will be directed away from the wall as a standard

AC_G1	Aircraft Cable 1" (15/16") T-Bar
AC_G9	Aircraft Cable 9/16" T-Bar
AC_GS	Aircraft Cable Screw Slot T-Bar
AC_JB	Aircraft Cable Junction Box
AC_ST	Aircraft Cable Structure
AC5_G	Aircraft Cable 5" (127mm) Non-Power Canopy
AC5_JB	Aircraft Cable 5" (127mm) Non-Power Canopy
SQ_G	Aircraft Cable 5" (127mm) Square Canopy
SQ_JB	Aircraft Cable 5" (127mm) Square Canopy
MAC_G1	Moveable AC 1" (15/16") T-Bar
MAC_G9	Moveable AC 9/16" T-Bar
MAC_GS	Moveable AC Screw Slot T-Bar
MAC_JB	Moveable AC Junction Box
MAC_ST	Moveable AC Structure
MAC5_G	Moveable AC 5" (127mm) Non-Power Canopy
MAC5_JB	Moveable AC 5" (127mm) Non-Power Canopy
MSQ_G	Moveable AC 5" (127mm) Square Canopy
MSQ_JB	Moveable AC 5" (127mm) Square Canopy
WA	Wall Mount



## Straight EDGE Joint System



- The Straight EDGE Joint comes standard for all runs.
- Two connection points - one to cinch fixtures together, the other to perfectly align all fixtures in a run.
- Factory-installed light shields on both sides of the fixture ensure no light leaks.
- Patented.



## Voltage

- Some EX3I 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 = OL2
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options, see Pinnacle Resource Guide
- Some EX3I configurations will not accommodate all driver options; consult with factory

<b>OL2</b>	Osram Optotronic 1%, 0-10v, nominal 1% dimming range
<b>OL3</b>	Osram Optotronic 347v 10%, 0-10v, <i>requires 347v option</i>
<b>OL5</b>	Osram Optotronic 1%, 0-10v, AUX
<b>OD1</b>	Osram Optotronic 1%, DEXAL
<b>EE1</b>	eldoLED ECOdrive 1%, 0-10v Logarithmic
<b>EE2</b>	eldoLED ECOdrive 1%, 0-10v Linear
<b>ES1</b>	eldoLED SOLOdrive 0%, 0-10v Logarithmic
<b>ES2</b>	eldoLED SOLOdrive 0-10v, 0% Linear
<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>	Advance Xitanium 1%, 0-10v
<b>PR1</b>	Advance Xitanium SR, <i>requires EASY, VDO, or VRF</i>
<b>EC2</b>	Constant Voltage LED driver, <i>120v or 277v required</i>
<b>ND</b>	Non-Dimming

## How to specify Circuiting, Battery and Emergency

- 1**
- Select fixture circuiting from options below
  - Some EX3I configurations will not accommodate all circuiting options, consult with factory

### Circuiting

<b>1</b>	Single Circuit
<b>M</b>	Multi Circuit
<b>E</b>	Emergency Circuit only
<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 EX3I 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 2PL*
- 90 minute battery runtime; test button is remote to fixture and requires an additional drop
- No battery option available for 2' lengths
- Entire direct fixture housing is on battery for lengths up to 5'
- Half of direct 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>_PL</b>	Bodine 10w Integral
<b>_IL</b>	Iota 10w Integral

### 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
<b>_N</b>	Night Light circuit section
<b>_L</b>	Life Safety circuit section NO THROUGH WIRE
<b>_G</b>	Bodine GTD, Generator Transfer Device section

### 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

### Battery OR Emergency Ordering Examples

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

### Combination Section Ordering Examples

- Single circuit, (1) 10w battery, (1) emergency section      Ordering Code: 1-1PL1E
- Multi circuit, (2) 10w battery, (2) emergency sections      Ordering Code: M-2PL2E
- 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 <i>(white cord/white canopy)</i>
<b>S</b>	Metallic Silver <i>(grey cord/silver canopy)</i>
<b>BL</b>	Textured Black <i>(black cord/black canopy)</i>
<b>BR</b>	Bronze <i>(white cord/bronze canopy)</i>
<b>GR</b>	Graphite <i>(white cord/graphite canopy)</i>
<b>CC</b>	Custom Color <i>(white cord/color match canopy)</i>

## Fixture Options

- Additional options to enhance the fixture and finish of the product

**QS** 10 day Quick Ship

### Quick Ship

Shielding	CRI, CCT & Output	Mounting	Voltage	Driver	Circuiting	Battery	Finish	
<b>10-Day</b>								
<b>HE</b> <b>BW</b> <b>WHE</b>	80 CRI, all color temperatures, all lumen packages <i>See pg 2</i>	<b>(M)AC48G</b> <b>(M)AC48JB</b> <b>(M)AC48ST</b> <b>W</b>	(M)AC to Grid (M)AC to J-BOX (M)AC to Structure Wall Mount	<b>U</b> Universal (120-277) <b>1</b> 120V <b>2</b> 277V	<b>OL2</b> Osram 0-10v, 1% Advance Xitanium 0-10v, 1% <b>LH1</b> Lutron LDE1 <b>ND</b> Non-Dimming	<b>1</b> Single Circuit <b>E</b> Emergency <b>N</b> Night Light	<b>0</b> None <b>I</b> Iota 10w <b>I</b> Integral	<b>W</b> White <b>S</b> Silver <b>BL</b> Black

All lengths and continuous rows up to 1,000 ft OR 150 individual fixtures. Consult factory for larger projects.

## 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, placement, or EM options
- One drop/sensor per run typical, contact factory for more information
- Must specify required driver in Driver section

	Solution	Components	Network/Sensor	Connection	Required Drivers	Limitation
<b>DLMFS</b>	Legrand Wattstopper LLLC	LMFS-601-W / LMFI-111	Wireless DLM Fixture Sensor	Wireless	OD1, PR1 or 0-10V	0-10v requires interface
<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, OL5	Not available with 347 volt
<b>WLWX</b>	Eaton Wavelinx	SWPD1, NSP3IVMVDC1	WaveLinx WCL, Daylight	Wireless	Any 0-10v	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

## 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

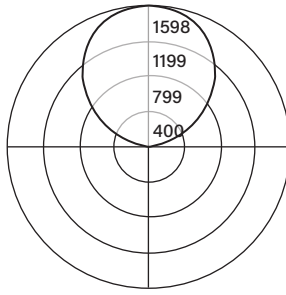
	Solution	Components	Network/Sensor	Connection	RQD Drivers	RQD LED	RQD Controls	Limitations
<b>B3LM</b>	Legrand Wattstopper Blanco 3	BLM3-DLM	Digital Lighting Management (DLM)	Wired, two RJ45 ports	EC2	TW3	B3LM	Not available with 347 volt



Photometrics

Open

Test # 91462, 93985  
 Catalog # EX3I-HE-840VHO-4  
 Lumens 4111 lm  
 Watts 28.7 w  
 Efficacy 143.1 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	23	45.0	68	90
90	0	0	0	0	0
95	65	67	69	69	68
100	143	144	148	150	151
105	236	240	243	244	244
110	344	343	348	347	349
115	461	457	461	461	459
120	583	577	579	578	578
125	707	699	705	701	701
130	836	825	830	826	826
135	963	951	954	951	950
140	1087	1071	1077	1072	1070
145	1203	1185	1192	1185	1185
150	1307	1288	1295	1290	1287
155	1398	1379	1388	1382	1380
160	1471	1456	1464	1459	1457
165	1528	1518	1523	1519	1518
170	1567	1563	1564	1564	1562
175	1590	1590	1590	1590	1589
180	1598	1598	1598	1598	1598

<sup>1</sup>Based on ITL Reports 91462 and 93985.

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.

Applications & Certificates

**Construction:** 6063-T6 Extruded aluminum housing. Highly reflective die-formed white painted reflector.

**Shielding:** Diffuse snap in lens or over optic. High Efficiency (HE) & Ascent (HEA) are snap in options. Batwing (BW) & Asymmetric (WHE) are over optics.

**Mounting:** Aircraft cable and wall mount available. The aircraft cable mounts on 4'-0" (1219.2mm) and 8'-0" (2438.4mm) centers. Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies. Refer to installation instructions for appropriate ceiling detail. Canopies are painted white unless otherwise specified. Maximum fixture weight is 20 lbs for a standard 4' fixture.

**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. Minimum lifetime greater than 60,000 hours. L70 = 136,200 hours and L90 = 41,100 hours. MacAdam 3-Step Ellipses. For all available IES files, please visit our website at [pinnacle-ltg.com](http://pinnacle-ltg.com).

**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.

**CRI, CCT & Lumen Output:** 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.

**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 EX configurations will not accommodate all voltage options; consult with factory.

**Driver:** Standard Driver Option is Osram 0-10V, 1% = OL2. 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 107°F/42°C. For more driver options, see Pinnacle Resource Guide. Some EX 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) or Night Light circuit (N). Some EX 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 is remote to fixture. For more Battery options, see Pinnacle Resource Guide.

**Finish:** Standard powder-coat textured white, metallic silver, graphite, textured black or bronze painted finish; consult factory for chip of standard paint finishes. Canopies painted white unless specified differently in the options section of the part number. Contact factory for additional custom color and finish options.

**Controls:** 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. ENCELUM SensiLUM sensor provides wireless control, daylight harvesting and PIR occupancy; driver data is available when using the DEXAL driver. ENCELUM 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.

**Labels:** UL and cUL Listed. Standard and HO lumen packages are approved for dry/damp location unless otherwise noted.

**Fixture Weight:** Maximum fixture weight is 20 lbs for a standard 4' fixture.

**Buy American Act Compliant**

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

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.