

# EDGE EX2D

## 2" Direct Linear

### Key Features

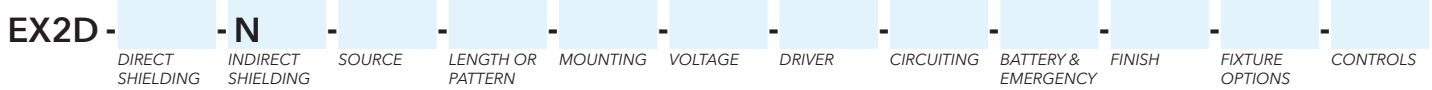
- 6063-T6 Extruded aluminum housing
- Highly reflective die-formed white painted reflector
- Room side maintenance for LED system
- 5-year limited warranty covers LED, driver and fixture
- ETL listed conforming to UL 1598 in US and CSA 250 in Canada
- Approved for dry/damp location unless otherwise noted
- Maximum weight is 20 lbs. for a standard 4' fixture
- Buy American Act compliant
- Run lengths available to an 1/8"



QUICKSHIP



Example Part #: EX2D-HE-N-830HO-26'-AC48G1-U-OL1-1-0-W



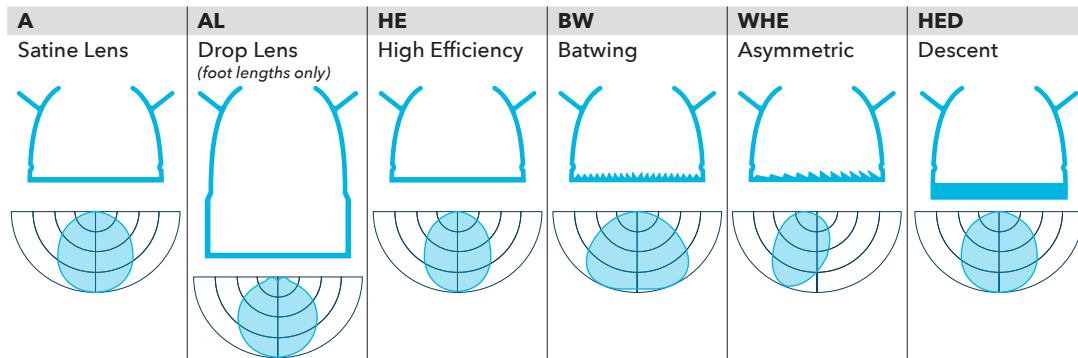
---	<b>N</b>	-----	---
DIRECT SHIELDING	INDIRECT SHIELDING	SOURCE <sup>QS</sup> <sub>1</sub>	LENGTH OR PATTERN <sup>2</sup>
<b>A</b> - Satine Lens <sup>QS</sup> <b>AL</b> - Drop Lens <b>HE</b> - High Efficiency <sup>QS</sup> <b>BW</b> - Batwing <sup>QS</sup> <b>WHE</b> - Asymmetric <sup>QS</sup> <b>HED</b> - Descent <i>Shielding pg. 2</i>	<b>N</b> - None <sup>QS</sup> <i>Shielding pg. 2</i>	<b>27</b> - 2700K <b>30</b> - 3000K <b>35</b> - 3500K (available as BIOS) <b>40</b> - 4000K (available as BIOS) <b>TW3</b> - Tunable White (Blanco 3) <b>CL</b> - Custom Lumens <b>CW</b> - Custom Watts <i>Lumen Output pg. 2-3</i>	<b>---</b> - Individual Fixture <sup>QS</sup> <b>---</b> - Continuous Row <sup>QS</sup> <b>S</b> - Square <sup>QS</sup> <b>R_x</b> - Rectangle <sup>QS</sup> <b>L_x</b> - L Shape <sup>QS</sup> <b>U_x</b> - U-Shape <sup>QS</sup> <b>T_x</b> - T-Shape <b>X_x_x</b> - X-Shape <b>M</b> - Mod Layout <i>Length and Pattern pg. 3</i>
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MOUNTING <sup>3</sup>	VOLTAGE	DRIVER	CIRCUITING
<b>AC_G</b> - (M)AC to Grid <sup>QS</sup> <b>AC_JB</b> - (M)AC to J Box <sup>QS</sup> <b>AC_ST</b> - (M)AC to Structure <sup>QS</sup> <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> <b>S</b> - Surface Mount <sup>QS</sup> <i>Mounting pg. 4</i>	<b>U</b> - Universal (120 thru 277V) <sup>QS</sup> <b>1</b> - 120V <sup>QS</sup> <b>2</b> - 277V <sup>QS</sup> <b>3</b> - 347V <i>Voltage pg. 4</i>	<b>OL1</b> - Osram (10%, 0-10v, standard) <sup>QS</sup> <b>OL2</b> - Osram (1%, 0-10v) <sup>QS</sup> <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) <sup>QS</sup> <b>L51</b> - Lutron 5-Series (5%, EcoSystem) <b>PL2</b> - Advance Xitanium (1%, 0-10v) <sup>QS</sup> <b>PR1</b> - Advance Xitanium SR <b>ND</b> - Non-Dimming <sup>QS</sup> <i>Driver pg. 4</i>	<b>1</b> - Single Circuit <sup>QS</sup> <b>M</b> - Multi Circuit <b>E</b> - Emergency (entire fixture) <sup>QS</sup> <b>N</b> - Night Light (entire fixture) <sup>QS</sup> <i>Circuiting pg. 5</i>
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BATTERY & EMERGENCY <sup>4</sup>	FINISH	FIXTURE OPTIONS <sup>5</sup>	CONTROLS <sup>6</sup>
<b>0</b> - None <sup>QS</sup> <b>PLL</b> - Bodine 10W <b>IL</b> - Iota 10W <sup>QS</sup> <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. 5</i>	<b>W</b> - White <sup>QS</sup> <b>S</b> - Metallic Silver <sup>QS</sup> <b>BL</b> - Textured Black <sup>QS</sup> <b>BR</b> - Bronze <b>GR</b> - Graphite <b>CC</b> - Custom Color <i>Finish pg. 5</i>	<b>QS</b> - QuickShip <sup>QS</sup> <i>Fixture Options pg. 5</i>	<b>DLMFC</b> - Wattstopper DLM (wired) <b>NLTAIR</b> - Acuity nLight AIR (wireless) <b>EASYS</b> - Philips EasySense (wireless) <b>SNSLM</b> - Osram Sensillum (wireless) <b>WVLX</b> - Eaton Wavelinx (wireless) <b>VDO</b> - Lutron Vive Sensor (wireless) <b>VRF</b> - Lutron Vive Connected (wireless) <b>ENL</b> - Enlighted (wireless) <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 Mod layouts specify pattern shape and overall dimensions. Example: L6x4: L pattern that is 6'x4'. <sup>3</sup>Specify AC Cable: Standard single AC = AC or Movable AC = MAC; Specify AC length standard AC is 48"; Specify grid: G1=15/16", G9=9/16", GS=Screw Slot. Example: AC48G1 <sup>4</sup>Enter quantity for Battery and Emergency, Example 2P. <sup>5</sup>QS must be used in fixture options section of part number to qualify. <sup>6</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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## Direct Shielding



## Indirect Shielding

**N**  
None

### 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>											
			<b>A</b>		<b>AL</b>		<b>HE</b>		<b>BW</b>		<b>WHE</b>		<b>HED</b>	
			Satine LPW	Watts/ft	Drop LPW	Watts/ft	High Efficiency LPW	Watts/ft	Batwing LPW	Watts/ft	Asymmetric LPW	Watts/ft	Descent LPW	Watts/ft
<b>830</b>	3000K	500	98	5.1	100	5.0	116	4.3	113	4.4	113	4.4	96	5.2
<b>830HO</b>	3000K	750	99	7.6	101	7.4	118	6.4	115	6.5	115	6.5	95	7.9
<b>830VHO</b>	3000K	1000	101	9.9	102	9.8	117	8.5	115	8.7	114	8.7	97	10.3
<b>835</b>	3500K	500	101	4.9	103	4.8	119	4.2	117	4.3	116	4.3	97	5.1
<b>835HO</b>	3500K	750	102	7.3	104	7.2	120	6.2	117	6.4	117	6.4	98	7.6
<b>835VHO</b>	3500K	1000	103	9.7	105	9.5	121	8.3	118	8.5	118	8.5	100	10.0
<b>840</b>	4000K	500	102	4.9	104	4.8	121	4.1	118	4.2	118	4.2	99	5.1
<b>840HO</b>	4000K	750	103	7.3	105	7.2	122	6.2	119	6.3	119	6.3	99	7.5
<b>840VHO</b>	4000K	1000	105	9.6	107	9.3	122	8.2	119	8.4	119	8.4	101	9.9

### 90 CRI

<b>927</b>	2700K	500	82	6.1	84	5.9	98	5.1	97	5.2	97	5.2	79	6.3
<b>927HO</b>	2700K	750	83	9.1	84	8.9	99	7.6	97	7.7	97	7.8	82	9.1
<b>930</b>	3000K	500	84	5.9	86	5.8	101	4.9	99	5.0	99	5.0	82	6.1
<b>930HO</b>	3000K	750	85	8.8	87	8.6	102	7.3	100	7.5	100	7.5	82	9.1
<b>935</b>	3500K	500	86	5.8	88	5.7	104	4.8	101	4.9	101	4.9	84	5.9
<b>935HO</b>	3500K	750	87	8.6	89	8.4	104	7.2	102	7.3	102	7.3	84	8.9
<b>940</b>	4000K	500	86	5.8	87	5.7	103	4.9	101	5.0	100	5.0	83	6.0
<b>940HO</b>	4000K	750	86	8.7	88	8.5	103	7.3	102	7.4	101	7.4	83	9.0

### 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>					
			<b>A</b>		<b>HE</b>		<b>BW</b>	
			Satine LPW	Watts/ft	High Efficiency LPW	Watts/ft	Batwing LPW	Watts/ft
<b>B35</b>	3500K	500	61	8.2	74	6.8	72	6.9
<b>B35HO</b>	3500K	750	61	12.4	74	10.2	71	10.5
<b>B40</b>	4000K	500	63	7.9	76	6.6	73	6.8
<b>B40HO</b>	4000K	750	62	12.2	76	9.9	73	10.2

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

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Source: Blanco <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	627	74	8.5	747	88	8.5	731	87	8.5

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

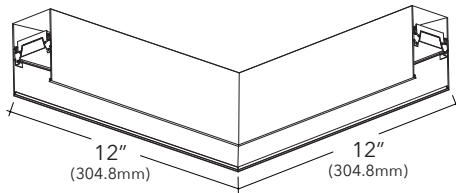
Length

- For Continuous Runs, add 3/16" (4.7mm) for each end plate or 3/8" (9.5mm) to the overall length of the row
- 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
24-3/8" (619.1mm)	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 nominal overall row length to the 1/8" Longer lead-time may apply for lengths to the 1/8". Consult factory.

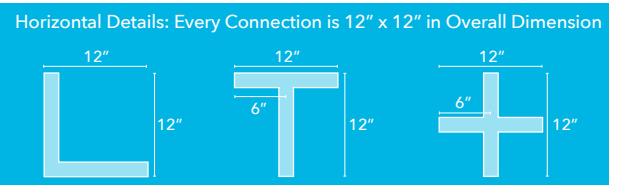
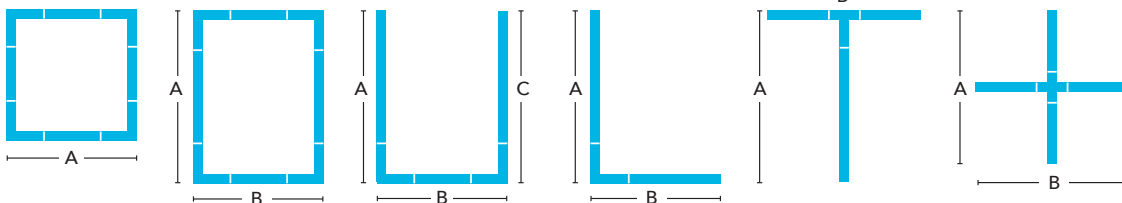
Specify to the 1/8" >>>

Pattern



- Specify pattern shape and overall dimensions (includes corner dimensions)
- Refer to dimensions table below for available standard lengths
- All connectors are direct only
- 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" lens options

S_	R_x_	U_x_x_	L_x_	T_x_	X_x_	M
Square Provide A dimension Example: <b>S4'</b> Minimum Length- 4'x4'	Rectangle Provide AxB dimensions Example: <b>R4'x4'</b> Minimum Length- 4'x4'	U-Shape Provide AxBxC dimensions Example: <b>U3'x4'x3'</b> Minimum Length- 3'x4'x3'	L-Shape Provide AxB dimensions Example: <b>L3'x3'</b> Minimum Length- 3'x3'	T-Shape Provide AxB dimensions Example: <b>T3'x5'</b> Minimum Length- 3'x5'	X-Shape Provide AxB dimensions Example: <b>X5'x5'</b> Minimum Length- 5'x5'	Mod Layout For patterns or lengths not shown or standard



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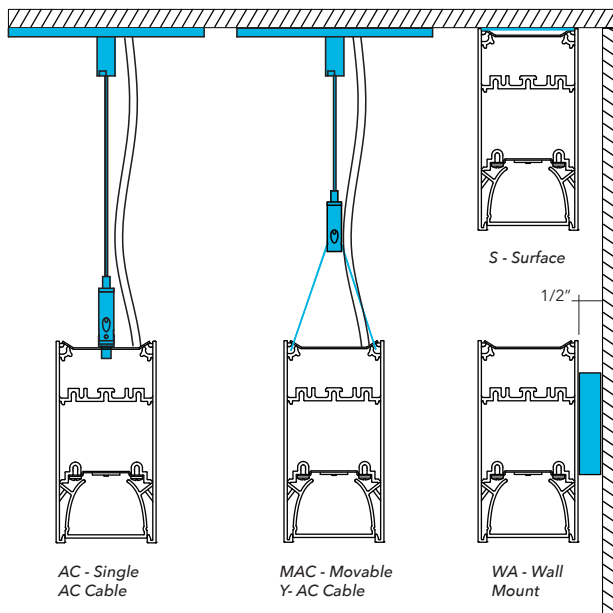


## Mounting

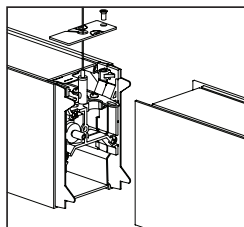
- Specify cable length in ordering code (AC48G1)
- Standard adjustable cable. Specify 48", 120", 240" or 350"
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- Maximum recommended movable mounting locations are 12" from end of 4' fixture and 18" from end of 8' fixture

- AC 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

<b>AC_G1</b>	Aircraft Cable 1" (15/16") T-Bar
<b>AC_G9</b>	Aircraft Cable 9/16" T-Bar
<b>AC_GS</b>	Aircraft Cable Screw Slot T-Bar
<b>AC_JB</b>	Aircraft Cable Junction Box
<b>AC_ST</b>	Aircraft Cable Structure
<b>AC5_G</b>	Aircraft Cable 5" (127mm) Non-Power Canopy
<b>AC5_JB</b>	Aircraft Cable 5" (127mm) Non-Power Canopy
<b>SQ_G</b>	Aircraft Cable 5" (127mm) Square Canopy
<b>SQ_JB</b>	Aircraft Cable 5" (127mm) Square Canopy
<b>MAC_G1</b>	Moveable AC 1" (15/16") T-Bar
<b>MAC_G9</b>	Moveable AC 9/16" T-Bar
<b>MAC_GS</b>	Moveable AC Screw Slot T-Bar
<b>MAC_JB</b>	Moveable AC Junction Box
<b>MAC_ST</b>	Moveable AC Structure
<b>MAC5_G</b>	Moveable AC 5" (127mm) Non-Power Canopy
<b>MAC5_JB</b>	Moveable AC 5" (127mm) Non-Power Canopy
<b>MSQ_G</b>	Moveable AC 5" (127mm) Square Canopy
<b>MSQ_JB</b>	Moveable AC 5" (127mm) Square Canopy
<b>WA</b>	Wall Mount
<b>S</b>	Surface 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 EX2D 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 EX2D 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, <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>EE6</b>	eldoLED ECOdrive 1%, for nLight Air Wireless
<b>ES1</b>	eldoLED SOLOdrive 0%, 0-10v Logarithmic
<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>PR1</b>	Philips Advance Xitanium SR, <i>requires EASY, VDO, or VRF</i>
<b>EC2</b>	Constant Voltage LED driver, 120v or 277v required
<b>ND</b>	Non-Dimming

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EX2D\_LED\_SPEC\_MARCH2020



## How to Specify Circuiting, Battery and Emergency

- 1**
- Select fixture circuiting from options below
  - Some EX2D 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 EX2D 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
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### Battery

- Select battery section type if required, indicate total QTY. *Example 2PL*
- 90 minute battery runtime; test button location dependant on configuration, consult factory
- 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>_PLL</b>	Philips Bodine 10w Integral Lithium Self Testing <i>CEC Listed</i>
<b>_IL</b>	Iota 10w Integral

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

#### 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: 1-1G

#### 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
- Specify CC-C to match housing. If not specified, canopy will be standard matte white

<b>QS</b>	Quick Ship
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Fixture Options Continued

Quick Ship

Shielding	CRI, CCT & Output	Mounting	Voltage	Driver	Circuiting	Battery	Finish						
<b>10-Day</b>													
<b>A</b> <b>HE</b> <b>BW</b> <b>WHE</b>	80 CRI, all color temperatures, all lumen packages See pg 2	<b>(M)AC48G</b> <b>(M)AC48JB</b> <b>(M)AC48ST</b>  <b>W</b> <b>S</b>	(M)AC to Grid (M)AC to J-BOX (M)AC to Structure Wall Mount Surface Mount	<b>U</b> <b>1</b> <b>2</b>	Universal (120-277) 120V 277V	<b>OL1</b> <b>OL2</b> <b>PL2</b> <b>LH1</b> <b>ND</b>	Osram 0-10v, 10% Osram 0-10v, 1% Advance Xitanium 0-10v, 1% Lutron LDE1 Non-Dimming	<b>1</b> <b>E</b> <b>N</b>	Single Circuit Emergency Night Light	<b>0</b> <b>_IL</b>	None Iota 10w Integral	<b>W</b> <b>S</b> <b>BL</b>	White Silver Black

All lengths and continuous rows up to 1,000 ft OR 150 individual fixtures. Black QuickShip only available in 4', 6', and 8' individual lengths. 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

	Solution	Components	Network/Sensor	Connection	Required Drivers	Limitation
<b>DLMFC</b>	Legrand Wattstopper DLM	LMFC-011	Digital Lighting Management (DLM)	Wired, one RJ45 ports	Any 0-10v	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, OL5	Not available with 347 volt
<b>WLVX</b>	Eaton Wavelinx	SWPD1, NSP3IVMVC1	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
<b>ENLI</b>	Enlighted	SU-5E-IOT, CU-4E	Enlighted, Daylight/PIR Occupancy	Wireless	Any 0-10v	Not available with 347 volt
<b>ENLC</b>	Enlighted	SU-5E-CL, CU-4E	Enlighted, Daylight/PIR Occupancy	Wireless	Any 0-10v	Not available with 347 volt

Controls: Tunable White

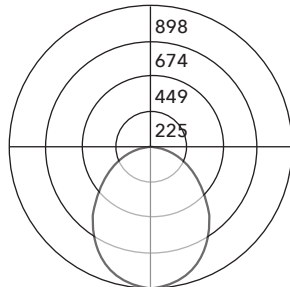
- Pinnacle Lighting offers easy to specify tunable white solutions for integrated building control solutions or standalone controls
- Pinnacle Lighting fixtures ship technology ready; commissioning by others
- Controls can only be used with Single Circuit (1) or Emergency Circuit (E)
- Contact factory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

Satine Lens

Test # ITL91441  
 Catalog # EX2D-A-840VHO-4  
 Lumens 3986 lm  
 Watts 37.5 W  
 Efficacy 106 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1415	1415	1415	1415	1415
5	1410	1409	1408	1407	1406
10	1393	1387	1388	1387	1386
15	1365	1353	1356	1355	1352
20	1323	1307	1313	1312	1306
25	1271	1252	1258	1254	1249
30	1207	1187	1191	1187	1182
35	1132	1115	1117	1108	1103
40	1050	1032	1032	1023	1017
45	957	943	939	929	923
50	858	843	837	827	823
55	752	737	729	717	712
60	636	623	613	601	598
65	518	504	495	484	479
70	392	384	370	361	360
75	270	261	251	244	239
80	152	146	140	135	133
85	54	54	50	46	47
90	0	0	0	0	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	19610	19241	18913
55	18997	18416	17986
65	17760	16971	16422
75	15115	14052	13380
85	8977	8312	7814

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 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 are the most recent version and supersede all other previously printed or electronic versions.



## Applications & Certificates

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

**Shielding:** Diffuse snap-in acrylic lens, removable for maintenance.

**Mounting:** Aircraft cable and wall mount available. Select from 2 aircraft cable options. Select the straight aircraft cable that mounts on 4'-0" (1219.2mm) and 8'-0" (2438.4mm) centers or the moveable adjustable Y-cable mount. The Y-Cable design allows for adjustable mounting locations. 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.

**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](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. 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 122°F/50°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:** 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. 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 UL 1598 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 20lbs per 4' fixture.

**Buy American Act Compliant**

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