

# EDGE EX3DI

## 3" Suspended Direct/Indirect Linear

### Key Features

- 6063-T6 Extruded aluminum housing
- 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
- Indigo-Clean available, see Indigo-Clean specification sheets for details
- Product transparency with third-party verified Living Building Challenge (LBC) Declared



Example Part #: EX3DI-BW-HE-830HO-830-26'-AC48G1-U-FSD-1-0-W

EX3DI	DIRECT SHIELDING	INDIRECT SHIELDING	DIRECT SOURCE	INDIRECT SOURCE	LENGTH OR PATTERN	MOUNTING	VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	FIXTURE OPTIONS	CONTROLS
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DIRECT SHIELDING	INDIRECT SHIELDING	DIRECT SOURCE <sup>Q.S.</sup> 1,2	INDIRECT SOURCE <sup>Q.S.</sup> 1,2
<b>A</b> - Satine Lens <sup>Q.S.</sup> <b>AL</b> - Drop Lens <b>HE</b> - High Efficiency <sup>Q.S.</sup> <b>BW</b> - Batwing <sup>Q.S.</sup> <b>WHE</b> - Asymmetric <sup>Q.S.</sup> <b>HED</b> - Descent <b>MOD</b> - Mod options available <i>Shielding pg. 2</i>	<b>HE</b> - High Efficiency <sup>Q.S.</sup> <b>BW</b> - Batwing <sup>Q.S.</sup> <b>WHE</b> - Asymmetric <sup>Q.S.</sup> <b>HEA</b> - Ascent <b>MOD</b> - Mod options available <i>Shielding pg. 2</i>	<b>27</b> - 2700K <b>30</b> - 3000K <b>35</b> - 3500K <b>40</b> - 4000K <b>TW</b> - 2CH Tunable White (2700-6500K, 90CRI) <b>CL</b> - Custom Lumens <b>CW</b> - Custom Watts <b>MOD</b> - Mod options available <i>Lumen Output pg. 2</i>	<b>27</b> - 2700K <b>30</b> - 3000K <b>35</b> - 3500K <b>40</b> - 4000K <b>TW</b> - 2CH Tunable White (2700-6500K, 90CRI) <b>CL</b> - Custom Lumens <b>CW</b> - Custom Watts <b>MOD</b> - Mod options available <i>Lumen Output pg. 3</i>

LENGTH OR PATTERN <sup>3</sup>	MOUNTING <sup>4</sup>	VOLTAGE <sup>5</sup>	DRIVER	CIRCUITING <sup>6</sup>
<b>---</b> Individual Fixture <sup>Q.S.</sup> <b>---</b> Continuous Row <sup>Q.S.</sup> <b>L_x_x</b> - L Shape <sup>Q.S.</sup> <b>R_x_x</b> - Rectangle <sup>Q.S.</sup> <b>S_x_x</b> - Square <sup>Q.S.</sup> <b>U_x_x_x</b> - U-Shape <sup>Q.S.</sup> <b>T_x_x</b> - T Shape <b>X_x_x_x</b> - X Shape <b>M</b> - Mod Layout <b>MOD</b> - Mod options available <i>Length and Pattern pg. 4</i>	<b>AC_G</b> - (M)AC to Grid <sup>Q.S.</sup> <b>AC_JB</b> - (M)AC to J Box <sup>Q.S.</sup> <b>AC_ST</b> - (M)AC to Structure <sup>Q.S.</sup> <b>WA</b> - Wall Mount <sup>Q.S.</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>MOD</b> - Mod options available <i>Mounting pg. 5</i>	<b>U</b> - Universal <sup>Q.S.</sup> (120 thru 277V) <b>1</b> - 120V <sup>Q.S.</sup> <b>2</b> - 277V <sup>Q.S.</sup> <b>3</b> - 347V <i>Voltage pg. 5</i>	<b>FSD</b> - Factory Select Driver (1%, 0-10v) <sup>Q.S.</sup> <b>PL2</b> - Advance Xitanium (1%, 0-10v) <b>OL2</b> - eldoLED Optotronic (1%, 0-10v) <b>OL4</b> - eldoLED Optotronic 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>PS1</b> - Advance Xitanium (50%/100%) <b>MOD</b> - Mod options available <i>Driver pg. 6</i>	<b>1</b> - Single Circuit <sup>Q.S.</sup> <b>2</b> - Dual Circuit <b>M</b> - Multi Circuit <b>E</b> - Emergency <sup>Q.S.</sup> (entire fixture) <b>N</b> - Night Light <sup>Q.S.</sup> (entire fixture) <i>Circuiting pg. 6</i>

BATTERY & EMERGENCY <sup>7</sup>	FINISH	FIXTURE OPTIONS <sup>8,9</sup>	CONTROLS <sup>10</sup>
<b>0</b> - None <sup>Q.S.</sup> <b>FSB</b> - Factory Select Battery <sup>Q.S.</sup> <b>FSG</b> - Factory Select ALCR <b>GI</b> - Iota ETS DR <b>GB</b> - Bodine GTD <b>ILL</b> - Iota 10W <b>PLL</b> - Bodine 10W <i>Battery and Emergency pg. 7</i>	<b>W</b> - White <sup>Q.S.</sup> <b>S</b> - Metallic Silver <sup>Q.S.</sup> <b>BL</b> - Textured Black <sup>Q.S.</sup> <b>BR</b> - Bronze <b>GR</b> - Graphite <b>CC</b> - Custom Color <i>Finish pg. 7</i>	<b>QS</b> - QuickShip <sup>Q.S.</sup> <b>LMRA</b> - Adjustable MR16 (LED) <b>XLED</b> - Fixed Xicato LED <b>DSP</b> - Customer Supplied Battery/Driver/ Sensor <b>BA</b> - Buy America(n) Act and/or Build America Buy America Compliant <b>MOD</b> - Mod options available <i>Fixture Options pg. 7</i>	<b>DLMFS</b> - Wattstopper LLC <b>EASYS</b> - Philips EasySense <b>SNLSM</b> - Wattstopper PLUS SensiLUM <b>WVLX</b> - Eaton WaveLinx <b>VDO</b> - Lutron Vive Sensor <b>VRF</b> - Lutron Vive Connected <b>MOD</b> - Mod options available <i>Controls pg. 8</i>

<sup>1</sup>When specifying SOURCE the first \_ is for specifying either 8 - 80CRI, 9 - 90CRI. The ending \_ \_ are for specifying output, example 835HO - 80CRI, 3500K High Output. See output charts for more information. <sup>2</sup>When specifying Tunable White, use **TW** and then specify output, example TWHO - Tunable White 90CRI, High Output 2700-6500K. See output charts for more information. Tunable White option requires driver option **FSD** which provides separate 0-10v control leads for Intensity and CCT. <sup>3</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>4</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 Tunable White (**TW**) option only available with Universal (**U**), 120V (**1**) or 277V (**2**) options. <sup>5</sup>Consult factory for Emergency (**E**) or Night Light (**N**) options with Tunable White (**TW**) option. <sup>6</sup>Enter quantity for Battery and Emergency, Example 2PLL. <sup>7</sup>When ordering QuickShip, **QS** must be used in fixture options section of part number to qualify. 1/8" increments not available for **QS**. **LMRA** only available with 120v (**1**) voltage option. <sup>8</sup>Compliance is configuration dependent; consult factory for confirmation. <sup>9</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

A	AL	HE	BW	WHE	HED	HE	BW	WHE	HEA
Satine Lens	Drop Lens (foot lengths only)	High Efficiency	Batwing	Asymmetric	Descent	High Efficiency	Batwing	Asymmetric	Ascent (No MAC mounting foot lengths only)

## Indirect Shielding

### Shielding: 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>	Clear lens overlay
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### Direct Source

- Specify either 80 or 90 CRI for White light LED
- Longer lead-time may apply for 90 CRI or Tunable White option. Consult factory
- Tunable White option requires driver option FSD which provides separate 0-10v control leads for Intensity and CCT.
- Tunable White lumen packages shown at 4000K CCT setpoint
- 90 CRI = R9≥50

### 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
<b>CLTW</b> _____	Specify desired lumens for Tunable White (i.e. CLTW3200)	Specify lumens between Tunable White offering listed below. Lumens are specified at 4000K CCT setpoint.

### 80 CRI

	Color	Lumens per foot	Shielding <sup>1</sup>		AL		HE		BW		WHE		HED	
			A 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	108	4.6	118	4.2	123	4.1	120	4.2	124	4.0	106	4.7
<b>830HO</b>		750	110	6.8	117	6.4	128	5.9	119	6.3	123	6.1	108	6.9
<b>830VHO</b>		1000	110	9.1	120	8.3	131	7.6	122	8.2	126	7.9	109	9.2
<b>835</b>	3500K	500	111	4.5	122	4.1	127	3.9	123	4.1	123	4.1	110	4.6
<b>835HO</b>		750	111	6.8	121	6.2	132	5.7	123	6.1	127	5.9	112	6.7
<b>835VHO</b>		1000	114	8.8	124	8.0	133	7.5	126	7.9	131	7.7	113	8.9
<b>840</b>	4000K	500	111	4.5	122	4.1	127	3.9	123	4.1	123	4.1	110	4.6
<b>840HO</b>		750	111	6.8	121	6.2	132	5.7	123	6.1	127	5.9	112	6.7
<b>840VHO</b>		1000	114	8.8	124	8.0	133	7.5	126	7.9	131	7.7	113	8.9

### 90 CRI

<b>927</b>	2700K	500	89	5.6	98	5.1	104	4.8	99	5.0	102	4.9	88	5.7
<b>927HO</b>		750	90	8.3	99	7.6	106	7.1	99	7.6	102	7.3	89	8.4
<b>927VHO</b>		1000	90	11.1	99	10.1	106	9.4	100	10.0	104	9.7	88	11.4
<b>930</b>	3000K	500	97	5.1	104	4.8	113	4.4	106	4.7	109	4.6	96	5.2
<b>930HO</b>		750	99	7.6	106	7.0	113	6.6	108	6.9	112	6.7	97	7.7
<b>930VHO</b>		1000	98	10.2	107	9.4	116	8.6	108	9.2	112	8.9	97	10.3
<b>935</b>	3500K	500	97	5.2	104	4.8	113	4.4	105	4.7	109	4.6	96	5.2
<b>935HO</b>		750	98	7.6	106	7.1	112	6.7	108	7.0	111	6.7	97	7.7
<b>935VHO</b>		1000	98	10.2	106	9.4	116	8.6	108	9.3	112	9.0	97	10.3
<b>940</b>	4000K	500	97	5.2	104	4.8	113	4.4	105	4.7	109	4.6	96	5.2
<b>940HO</b>		750	98	7.6	106	7.1	112	6.7	108	7.0	111	6.7	97	7.7
<b>940VHO</b>		1000	98	10.2	106	9.4	116	8.6	108	9.3	112	9.0	97	10.3

### 2 CH Tunable White (2700-6500K, 90CRI)

<b>TW</b>	2700 - 6500K	500	86.5	5.8	94.5	5.3	102.7	4.9	95.8	5.2	99.0	5.0	84.6	5.9
<b>TWHO</b>		750	82.4	9.1	91.0	8.2	99.6	7.5	82.4	9.1	95.6	7.8	81.1	9.2
<b>TWVHO</b>		1000	N/A		N/A		94.5	10.9	N/A		90.6	11.0	N/A	

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## Indirect Source

- Specify either 80 or 90 CRI for White light LED
- Longer lead-time may apply for 90 CRI or Tunable White option. Consult factory
- Tunable White option requires driver option FSD which provides separate 0-10v control leads for Intensity and CCT.
- Tunable White lumen packages shown at 4000K CCT setpoint
- 90 CRI = R9≥50

## 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
<b>CLTW</b> _____	Specify desired lumens for Tunable White (i.e. CLTW3200)	Specify lumens between Tunable White offering listed below. Lumens are specified at 4000K CCT setpoint.

## 80 CRI

	Color	Lumens per foot	Shielding <sup>1</sup>		BW		WHE		HEA	
			HE High Efficiency LPW	Watts/ft	Batwing LPW	Watts/ft	Asymmetric LPW	Watts/ft	Ascent LPW	Watts/ft
<b>830</b>	3000K	500	140	3.6	131	3.8	119	4.2	125	4.0
<b>830HO</b>		750	146	5.1	135	5.5	119	6.3	125	6.0
<b>830VHO</b>		1000	147	6.8	137	7.3	122	8.2	128	7.8
<b>835</b>	3500K	500	145	3.4	135	3.7	123	4.1	125	4.0
<b>835HO</b>		750	151	5.0	141	5.3	122	6.1	129	5.8
<b>835VHO</b>		1000	148	6.8	141	7.1	126	8.0	133	7.5
<b>840</b>	4000K	500	145	3.4	135	3.7	123	4.1	125	4.0
<b>840HO</b>		750	151	5.0	141	5.3	122	6.1	129	5.8
<b>840VHO</b>		1000	148	6.8	141	7.1	126	8.0	133	7.5

## 90 CRI

<b>927</b>	2700K	500	118	4.2	110	4.5	99	5.1	102	4.9
<b>927HO</b>		750	118	6.4	110	6.8	98	7.6	104	7.2
<b>927VHO</b>		1000	121	8.3	113	8.9	100	10.0	105	9.5
<b>930</b>	3000K	500	124	4.0	120	4.2	105	4.7	111	4.5
<b>930HO</b>		750	129	5.8	120	6.3	107	7.0	111	6.8
<b>930VHO</b>		1000	132	7.6	123	8.2	108	9.3	114	8.8
<b>935</b>	3500K	500	124	4.0	120	4.2	105	4.8	111	4.5
<b>935HO</b>		750	128	5.8	119	6.3	107	7.0	110	6.8
<b>935VHO</b>		1000	132	7.6	122	8.2	107	9.3	113	8.8
<b>940</b>	4000K	500	124	4.0	120	4.2	105	4.8	111	4.5
<b>940HO</b>		750	128	5.8	119	6.3	107	7.0	110	6.8
<b>940VHO</b>		1000	132	7.6	122	8.2	107	9.3	113	8.8

## 2 CH Tunable White (2700-6500K, 90CRI)

<b>TW</b>	2700 - 6500K	500	118.4	4.2	109.6	4.6	95.1	5.3	104.1	4.8
<b>TWHO</b>		750	114.3	6.6	105.4	7.1	92.2	8.1	101.0	7.4
<b>TWVHO</b>		1000	110.3	9.1	101.3	9.9	87.0	11.5	95.8	10.4

## 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
		EC1	DMX
	Color Changing RGB LED		
	Color Changing RGB-W LED	EC1	DMX

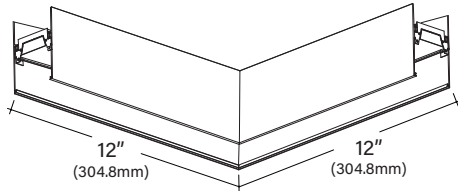


## Length

- 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"							

## 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

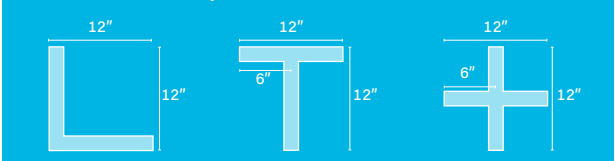
S_	R x _	U x x _	L x _	T x _	X x _
Square Provide A Example: <b>S4'</b> Minimum Length-4'x4'	Rectangle Provide Ax B Example: <b>R4'x4'</b> Minimum Length-4'x4'	U-Shape Provide Ax BxC Example: <b>U3'x4'x3'</b> Minimum Length-3'x4'x3'	L-Shape Provide Ax B Example: <b>L3'x3'</b> Minimum Length-3'x3'	T-Shape Provide Ax B Example: <b>T3'x5'</b> Minimum Length-3'x5'	X-Shape Provide Ax B Example: <b>X5'x5'</b> Minimum Length-5'x5'

## Length or Pattern: 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>	Specify MOD for patterns, lengths or angles not shown above
	45- 180 degree angles
	Single-piece welded housings up to 4' x 4'

Horizontal Details: Every Connection is 12" x 12" in Overall Dimension



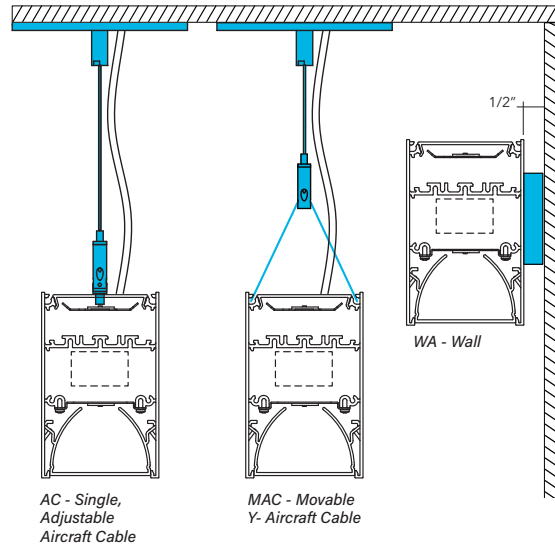


## Mounting

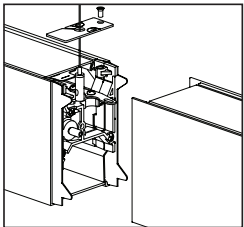
- Specify cable length in ordering code (AC48G1)
- Standard specifiable lengths are 48", 120", 240" and 350"
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- Maximum recommended movable mounting locations are 12" from end of 4' fixture and 18" from end of 8' fixture
- Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies
- Canopies and pendants match fixture finish, power cords are white 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 25 lbs for a standard 4' fixture
- AC\_\_GS and MAC\_\_GS – works with screw slot and bolt slot grid ceiling types
- Wall Mount – ADA Compliant, bracket is 1/2" off wall
- MAC options not available with HEA lens option
- 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	Movable AC 1" (15/16") T-Bar
MAC__G9	Movable AC 9/16" T-Bar
MAC__GS	Movable AC Screw Slot T-Bar
MAC__JB	Movable AC Junction Box
MAC__ST	Movable AC Structure
MAC5__G	Movable AC 5" (127mm) Non-Power Canopy
MAC5__JB	Movable AC 5" (127mm) Non-Power Canopy
MSQ__G	Movable AC 5" (127mm) Square Canopy
MSQ__JB	Movable 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.

## 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

<b>MOD</b>	Recessed to Suspended
	Pendant Pipe

## Voltage

- Some EX3DI configurations will not accommodate all voltage options; consult factory
- 347 volt not available with Tunable White (TW) option

<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 EX3DI 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>	eldoLED Optotronic, 1%, 0-10v
<b>OL4</b>	eldoLED 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>	Advance Xitanium 1%, 0-10v, AUX, Dim to Off
<b>PL5</b>	eldoLED Optotronic 1%, 0-10v, AUX, Dim to Off

### DALI Drivers

<b>EE3</b>	eldoLED ECOdrive 1%, DALI 2, Logarithmic, DT6
<b>ES3</b>	eldoLED SOLOdrive 0.1%, DALI 2, Logarithmic, DT6
<b>OD1</b>	eldoLED Optotronic 1%, DEXAL
<b>EE4</b>	eldoLED ECOdrive 1%, DALI 2, Linear, DT6
<b>ES4</b>	eldoLED SOLOdrive 0.1%, DALI 2, Linear, DT6
<b>PR1</b>	Advance Xitanium SR, DALI 2, Self powered link

### Lutron Drivers

<b>LH1</b>	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
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### Alternate Drivers

<b>PS1</b>	Advance Xitanium Step Dimming 50%/100%
<b>EH1</b>	ERP 1%, Line Voltage and ELV, requires 120v

## Driver: MOD Options

- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

<b>MOD</b>	Power Over Ethernet
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## How to specify Circuiting, Battery and Emergency

- Select fixture circuiting from options below
  - Some EX3DI configurations will not accommodate all circuiting options, consult with factory
  - Consult factory for Emergency (E) or Night Light (N) circuit with Tunable White (TW) option

## Circuiting

<b>1</b>	Single Circuit
<b>2</b>	Dual Circuit
<b>M</b>	Multi Circuit
<b>E</b>	Emergency Circuit only
<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 EX3DI 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 is remote to fixture and requires an additional drop
- No battery option available for 2' or 3' 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
- For Tunable White (TW) option, battery will illuminate 6500K LED unless otherwise specified

<b>0</b>	No Battery
<b>_FSB</b>	Factory Select Battery (10w option)
<b>_FSBST</b>	Factory Select Battery (10w, Self Testing)
<b>_PLL</b>	Bodine 10w Integral Lithium, Self Testing
<b>_ILL</b>	Iota 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
- Consult factory for Emergency Control Devices with Tunable White (TW) option

<b>_FSG</b>	Factory Select ALCR Emergency Control Device, UNV
<b>_GI</b>	Iota ETS-DR, Emergency Control Device, UNV
<b>_GB</b>	Bodine GTD, Emergency Control 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: 1-1PLL
- Emergency only, 10w Integral Battery      Ordering Code: E-1PLL
- Single circuit, GTD required      Ordering Code: 1-1GB

## Finish

- Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes
- Selecting a fixture finish other than white may impact lumen output; consult factory for more information

<b>W</b>	White ( <i>white cord/white canopy</i> )
<b>S</b>	Metallic Silver ( <i>white 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
- Consult factory for MR16 configurations
- Specify CC-C to match housing. If not specified, canopy will be standard matte white

<b>LMRF</b>	Adjustable MR16 LED ( <i>only available with 120v</i> )
<b>DSP</b>	Customer Supplied Battery/Driver/Sensor
<b>XLED</b>	Fixed Xicato LED

- Domestic content option - compliance is configuration dependent; consult factory for conformation

<b>BA</b>	Buy America(n) Act and/or Build America Buy America Compliant
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## 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

<b>MOD</b>	Remote Driver
	End Power Feed

## Quick Ship

Shielding	CRI, CCT & Output	Mounting	Voltage	Driver	Circuiting	Battery	Finish
<b>10-Day</b>							
<b>A</b> - Direct <b>HE</b> - Direct <b>BW</b> - Direct <b>WHE</b> - Direct <b>HE</b> - Indirect <b>BW</b> - Indirect <b>WHE</b> - Indirect	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> <b>S</b>	(M)AC to Grid (M)AC to J-BOX (M)AC to Structure Wall Mount Surface Mount	<b>U</b> Universal (120-277) <b>1</b> 120V <b>2</b> 277V	<b>FSD</b> Factory Select Driver (1%, 0-10v)	<b>1</b> Single Circuit <b>E</b> Emergency <b>N</b> Night Light	<b>0</b> None <b>_FSB</b> Factory Select Battery  <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. Black QuickShip only available in 4', 6', and 8' individual lengths. Consult factory for larger projects.

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

- 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 per sensor typical, consult factory for more information
- Must specify required driver in driver section
- Consult factory for available Controls with Tunable White (TW) option

	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-210	Daylight/PIR Occupancy	Wireless to switches	PR1	Not available with 347 volt
<b>SNSLM</b>	Wattstopper PLUS SensiLUM	EN-CLM-PIR-DD-ZB	Encelium, Daylight/PIR Occupancy	Wireless	OD1, OL5	Not available with 347 volt
<b>WLVX</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: MOD Options

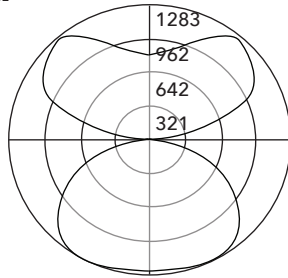
- Specify **MOD** in the part number for any of the below options
- Control** Options may require specific driver. Refer to the chart below
- Consult factory for **MOD** specification details, pricing, and lead-time information

	Ordering Code	Required Driver
<b>MOD</b> Lutron Athena Sensor	AWNS	OD1, PR1, OL5, PL5
Lutron Athena Connected	AWNCR	OD1, PR1, OL5, PL5
Acuity nLight Air Wireless Connected	CM	OL5, EE4, ES4, EE2, ES2

## Photometrics

### Satine Lens - Open

Test # SCALED FROM ITL91451 & ITL94661  
 Catalog # EX3DI-BW-BW-840VHO-840VHO-4  
 Lumens 8000 lm  
 Watts 58.9 w  
 Efficacy 135.8 LPW



### Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1268	1268	1268	1268	1268
5	1262	1263	1266	1269	1270
15	1215	1218	1246	1271	1279
25	1117	1130	1197	1258	1280
35	977	1005	1107	1199	1236
45	806	845	963	1065	1100
55	615	656	763	848	872
65	418	449	527	574	580
75	219	237	278	294	292
85	51	61	69	68	67
90	8	54	96	90	97
95	73	144	225	208	195
105	221	300	495	562	539
115	369	438	649	873	925
125	486	570	785	1011	1089
135	572	666	906	1111	1185
145	655	725	934	1131	1207
155	729	768	892	1005	1052
165	784	799	848	892	909
175	811	814	819	823	826
180	814	814	814	814	814

### Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20720	22599	24984
55	19447	21238	23211
65	17871	18722	19356
75	15161	14244	13612
85	10078	6705	5453

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 or IAS accredited testing laboratory. Testing conducted at 25°C ambient conditions

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## Applications & Certificates

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

**Shielding:** Direct: diffuse snap-in acrylic lens, removable for maintenance. Indirect: 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. 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 movable 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.

**White LED:** 25°C test environment. Lumen output/wattage has a margin of +/- 5%; 2' or 3' lengths may have a greater wattage deviation. Luminaire configurations tested in accordance with IES LM-79. Diodes tested in accordance with IES LM-80. Lifetime calculated using IES TM-21. Minimum lifetime greater than 60,000 hours. TM-21-21 Lifetime Rating L70 = >72,000 hours, L90 = 69,700 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:** 2 channel solution with 2700K and 6500K LED, 90CRI only, R9 >50. Lumen packages available shown at 4000K CCT setpoint, lumen output varies based on CCT. Use multipliers for other CCT; 2700K = .91 3000K = .93 3500K = .97 4000K = 1.0 5000K = 1.044 6500K = 1.078.

**CRI, CCT & Lumen Output:** Not all lumen packages available. Three lumen packages available. Standard, High (HO) and Very High (VHO). Custom outputs are available. Specify custom lumens or watts between standard offering listed on CRI, CCT & Output page. 80 CRI is available for 3000K, 3500K, and 4000K. 90 CRI is available for 2700K, 3000K, 3500K and 4000K. 90 CRI = R9≥50.

**Voltage:** Universal (U), 120 volt (1), 277 volt (2) and 347 volt (3) options available. Must specify PL4 or OL4 in Driver section when 347 volt (3) is selected. Some EDGE configurations will not accommodate all voltage options; consult with factory.

**Driver:** Standard Driver Option is Factory Select Driver 0-10V, 1% = FSD. Electronic driver, Power factor is >0.9 with a THD <20%. Driver Lifetime: 50,000 hours at 25°C ambient operating conditions. Ambient operating range: -20°F/-30°C to 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), dual circuit (2), Multi circuit (M), Emergency circuit (E) 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 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.

**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), MR16 installed as an independent circuit. MR16 to match fixture voltage. LMRA option not available with 277v. Consult factory for MR16 configurations.

**Controls:** Standard options available, refer to Controls section table for available options, component part number(s), connection type, required driver and limitations. Mod options available, consult with factory.

**Buy America Act (BAA) and Build America, Buy America Act (BABA) Compliance:** BAA and/or BABA compliance options are available to support federally funded projects requiring domestic content. Availability depends on configuration; Compliance is configuration-dependent; consult factory for confirmation.

**Labels:** ETL listed conforming to UL 1598 in US and CSA 250 in Canada. Standard and HO lumen packages are approved for dry/damp location unless otherwise noted.

**Sustainability:** All EDGE models are Living Building Challenge (LBC) Declared with third-party verification. The Declare Label from ILFI provides transparent insights into materials, sourcing, and environmental impact, promoting informed, sustainable choices that benefit both people and the planet. View the label [here](#).

**Fixture Weight:** Maximum fixture weight is 25 lbs for a standard 4' fixture.

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