

# EDGE EX3D

## 3" Suspended Direct 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
- Maximum weight is 20 lbs. for a standard 4' fixture
- Buy American Act compliant
- Run lengths available to an 1/8"
- Product transparency with third-party verified Living Building Challenge (LBC) Declared



Example Part #: EX3D-HE-N-830HO-26'-AC48G1-U-FSD-1-0-W

EX3D -	- N	-	-	-	-	-	-	-	-	-	-
DIRECT SHIELDING	INDIRECT SHIELDING	SOURCE	LENGTH OR PATTERN	MOUNTING	VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	FIXTURE OPTIONS	CONTROLS
<p>---</p> <p><b>DIRECT SHIELDING</b></p> <p><b>A</b> - Satine Lens <a href="#">QS</a></p> <p><b>AL</b> - Drop Lens</p> <p><b>HE</b> - High Efficiency <a href="#">QS</a></p> <p><b>BW</b> - Batwing <a href="#">QS</a></p> <p><b>WHE</b> - Asymmetric <a href="#">QS</a></p> <p><b>HED</b> - Descend</p> <p><i>Shielding pg. 2</i></p>	<p><b>N</b> - None</p> <p><i>Shielding pg. 2</i></p>	<p><b>SOURCE</b> <a href="#">QS</a><sup>1</sup></p> <p><b>27</b> - 2700K</p> <p><b>30</b> - 3000K</p> <p><b>35</b> - 3500K</p> <p><b>40</b> - 4000K</p> <p><b>CL</b> - Custom Lumens</p> <p><b>CW</b> - Custom Watts</p> <p><b>MOD</b> - Mod options available</p> <p><i>Lumen Output pg. 2</i></p>	<p><b>LENGTH OR PATTERN</b><sup>2</sup></p> <p>--- - Individual Fixture <a href="#">QS</a></p> <p>--- - Continuous Row <a href="#">QS</a></p> <p><b>S</b> - Square <a href="#">QS</a></p> <p><b>R_x</b> - Rectangle <a href="#">QS</a></p> <p><b>L_x</b> - L Shape <a href="#">QS</a></p> <p><b>U_x</b> - U-Shape <a href="#">QS</a></p> <p><b>T_x</b> - T-Shape</p> <p><b>X_x_x</b> - X-Shape</p> <p><b>MOD</b> - Mod options available</p> <p><i>Length and Pattern pg. 3</i></p>	<p><b>MOUNTING</b><sup>3</sup></p> <p><b>AC_G</b> - (M)AC to Grid <a href="#">QS</a></p> <p><b>AC_JB</b> - (M)AC to J Box <a href="#">QS</a></p> <p><b>AC_ST</b> - (M)AC to Structure <a href="#">QS</a></p> <p><b>AC5_G</b> - 5" Non-Power Canopy</p> <p><b>AC5_JB</b> - 5" Non-Power Canopy</p> <p><b>SQ_G</b> - 5" Square Canopy</p> <p><b>SQ_JB</b> - 5" Square Canopy</p> <p><b>WA</b> - Wall Mount <a href="#">QS</a></p> <p><b>S</b> - Surface Mount <a href="#">QS</a></p> <p><b>MOD</b> - Mod options available</p> <p><i>Mounting pg. 3</i></p>	<p><b>VOLTAGE</b></p> <p><b>U</b> - Universal (120 thru 277V) <a href="#">QS</a></p> <p><b>1</b> - 120V <a href="#">QS</a></p> <p><b>2</b> - 277V <a href="#">QS</a></p> <p><b>3</b> - 347V</p> <p><i>Voltage pg. 4</i></p>	<p><b>DRIVER</b></p> <p><b>FSD</b> - Factory Select Driver (1%, 0-10v) <a href="#">QS</a></p> <p><b>PL2</b> - Advance Xitanium (1%, 0-10v)</p> <p><b>OL2</b> - eldoLED Optotronic (1%, 0-10v)</p> <p><b>OL4</b> - eldoLED Optotronic 347v (1%, 0-10v)</p> <p><b>EE1</b> - eldoLED ECOdrive (1%, 0-10v)</p> <p><b>ES1</b> - eldoLED SOLOdrive (0.1%, 0-10v)</p> <p><b>LH1</b> - Lutron Hi-lume (1%, EcoSystem)</p> <p><b>PS1</b> - Advance Xitanium (50%/100%)</p> <p><b>MOD</b> - Mod options available</p> <p><i>Driver pg. 5</i></p>	<p><b>CIRCUITING</b></p> <p><b>1</b> - Single Circuit <a href="#">QS</a></p> <p><b>M</b> - Multi Circuit</p> <p><b>E</b> - Emergency (entire fixture) <a href="#">QS</a></p> <p><b>N</b> - Night Light (entire fixture) <a href="#">QS</a></p> <p><i>Circuiting pg. 5</i></p>	<p><b>BATTERY &amp; EMERGENCY</b><sup>4</sup></p> <p><b>0</b> - None <a href="#">QS</a></p> <p><b>FSB</b> - Factory Select Battery <a href="#">QS</a></p> <p><b>FSG</b> - Factory Select ALCR</p> <p><b>GI</b> - Iota ETS DR</p> <p><b>GB</b> - Bodine GTD</p> <p><b>ILL</b> - Iota 10W Integral</p> <p><b>PLL</b> - Bodine 10W</p> <p><b>E</b> - Emergency Section</p> <p><b>N</b> - Night Light Section</p> <p><b>L</b> - Life Safety Section</p> <p><i>Battery and Emergency pg. 6</i></p>	<p><b>FINISH</b></p> <p><b>W</b> - White <a href="#">QS</a></p> <p><b>S</b> - Metallic Silver <a href="#">QS</a></p> <p><b>BL</b> - Textured Black <a href="#">QS</a></p> <p><b>BR</b> - Bronze</p> <p><b>GR</b> - Graphite</p> <p><b>CC</b> - Custom Color</p> <p><i>Finish pg. 6</i></p>	<p><b>FIXTURE OPTIONS</b><sup>5</sup></p> <p><b>QS</b> - Quick Ship <a href="#">QS</a></p> <p><b>TC</b> - Indirect Top Cover (ac mounting only)</p> <p><b>LMRA</b> - Adjustable MR16 (LED)</p> <p><b>XLED</b> - Fixed Xicato LED</p> <p><b>DSP</b> - Customer Supplied Battery/Driver/Sensor</p> <p><b>MOD</b> - Mod options available</p> <p><i>Fixture Options pg. 6</i></p>	<p><b>CONTROLS</b><sup>6</sup></p> <p><b>DLMFS</b> - Wattstopper LLC (wireless)</p> <p><b>EASYS</b> - Philips EasySense (wireless)</p> <p><b>SNSLM</b> - Encelium Sensillum (wireless)</p> <p><b>WVLX</b> - Eaton WaveLinX (wireless)</p> <p><b>VDO</b> - Lutron Vive Sensor (wireless)</p> <p><b>VRF</b> - Lutron Vive Connected (wireless)</p> <p><b>MOD</b> - Mod options available</p> <p><i>Controls pg. 7</i></p>

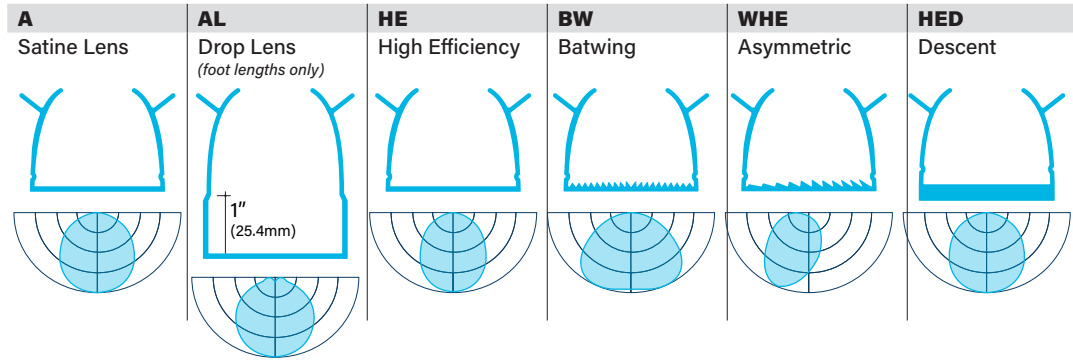
<sup>1</sup>When specifying SOURCE the first \_ is for specifying either 8 - 80CRI, or 9 - 90CRI. The ending \_ are for specifying output, example HO - High Output. If specifying QS output is 80 CRI, all color temperatures, all lumen packages. Does not include Tunable White. See output charts for more 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 4Enter quantity for Battery and Emergency, Example 2P. 5QS must be used in fixture options section of part number to qualify. 1/8" increments not available for QS. LMR option only available with 120v. <sup>6</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

## 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.
- 90 CRI = R9≥50

## Custom Output - Lumens OR Wattage

CL _____	Specify CRI, CCT and desired lumens (i.e. CL835500)	Specify lumens between standard offering listed below. Lumens are specified per color temp
CW _____	Specify CRI, CCT and desired wattage (i.e. CW9407)	Specify watts between standard offering listed below

## 80 CRI

	Color	Lumens per foot	Shielding <sup>1</sup>											
			A Satine LPW	Watts/ft	AL Drop LPW	Watts/ft	HE High Efficiency LPW	Watts/ft	BW Batwing LPW	Watts/ft	WHE Asymmetric LPW	Watts/ft	HED 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>	3000K	750	110	6.8	117	6.4	128	5.9	119	6.3	123	6.1	108	6.9
<b>830VHO</b>	3000K	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>	3500K	750	111	6.8	121	6.2	132	5.7	123	6.1	127	5.9	112	6.7
<b>835VHO</b>	3500K	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>	4000K	750	111	6.8	121	6.2	132	5.7	123	6.1	127	5.9	112	6.7
<b>840VHO</b>	4000K	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>	2700K	750	90	8.3	99	7.6	106	7.1	99	7.6	102	7.3	89	8.4
<b>927VHO</b>	2700K	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>	3000K	750	99	7.6	106	7.0	113	6.6	108	6.9	112	6.7	97	7.7
<b>930VHO</b>	3000K	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>	3500K	750	98	7.6	106	7.1	112	6.7	108	7.0	111	6.7	97	7.7
<b>935VHO</b>	3500K	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>	4000K	750	98	7.6	106	7.1	112	6.7	108	7.0	111	6.7	97	7.7
<b>940VHO</b>	4000K	1000	98	10.2	106	9.4	116	8.6	108	9.3	112	9.0	97	10.3



## Direct Source: MOD Options

- Specify **MOD** in the part number for any of the below options
- All RGB\_ Source Options will require specific driver and control

- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD		Required Driver	Required Control
	Color Changing RGB LED	EC1/EC4	DMX
	Color Changing RGB-W LED	EC1/EC4	DMX
	2 Channel Tunable White		

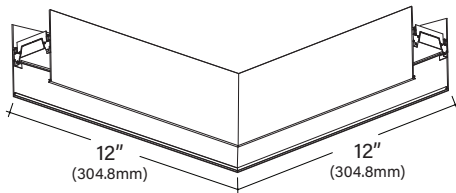
## Length

- 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)	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.

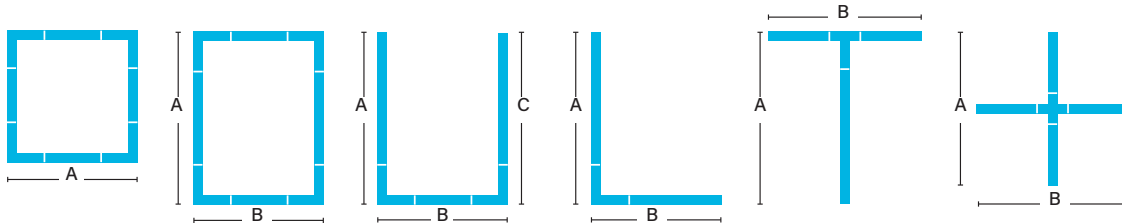
Specify to the 1/8" >>>

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

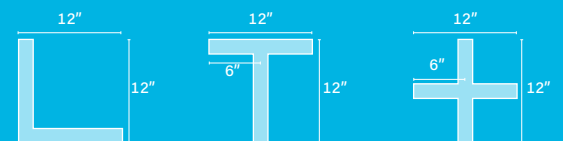


## Length or Pattern: MOD Options

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

MOD	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



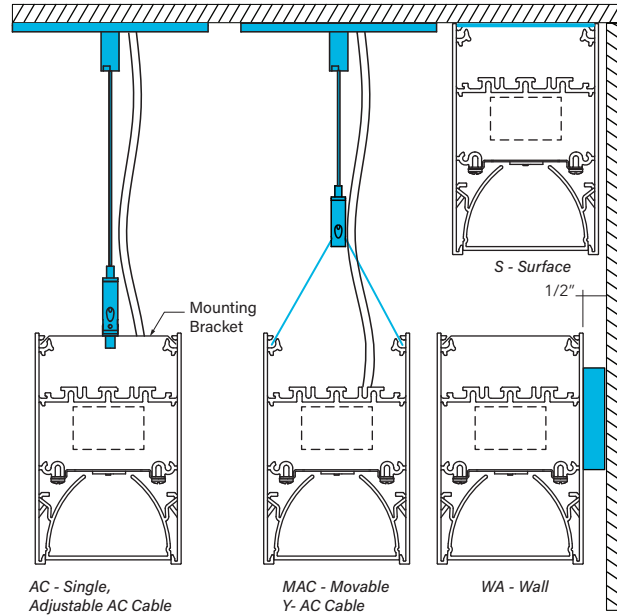


## Mounting

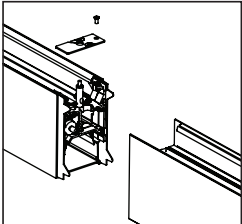
- Specify cable length in ordering code (AC48G1)
- Standard adjustable cable, specify 48", 120", 240", or 350"
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- Maximum recommended movable mounting locations are 12" from end of 4' fixture and 18" from end of 8' fixture
- 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 20 lbs for a standard 4' fixture
- Top Cover is optional on AC mounting fixtures, Top Cover is standard on others

<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>	Movable AC 1" (15/16") T-Bar
<b>MAC_G9</b>	Movable AC 9/16" T-Bar
<b>MAC_GS</b>	Movable AC Screw Slot T-Bar
<b>MAC_JB</b>	Movable AC Junction Box
<b>MAC_ST</b>	Movable AC Structure
<b>MAC5_G</b>	Movable AC 5" (127mm) Non-Power Canopy
<b>MAC5_JB</b>	Movable AC 5" (127mm) Non-Power Canopy
<b>MSQ_G</b>	Movable AC 5" (127mm) Square Canopy
<b>MSQ_JB</b>	Movable 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.

## 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 EX3D configurations will not accommodate all voltage options; consult with factory

<b>U</b>	Universal
<b>1</b>	120 volt
<b>2</b>	277 volt
<b>3</b>	347 volt



## Driver

- Standard Driver Option = FSD
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some EX3D 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>	Signify Advance Xitanium Step Dimming 50%/100%
<b>EH1</b>	ELV 120v only, 0-10v universal

## Driver: MOD Options

- Specify **MOD** in the part number for any of the below options
- MOD specifications are subject to longer lead-times. Consult factory for more information

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

1

- Select fixture circuiting from options below
- Some EX3D 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 EX3D 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' 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>_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

<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

### 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

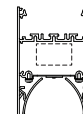
- Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes
- Selecting a fixture finish other than white may impact lumen output; consult factory for more information

<b>W</b>	White ( <i>white cord/white canopy</i> )
<b>S</b>	Metallic Silver ( <i>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

<b>QS</b>	10 day Quick Ship
<b>TC</b>	Indirect Top Cover ( <i>ac mounting only</i> )
<b>LMRA</b>	Adjustable MR16 LED ( <i>only available with 120v</i> )
<b>DSP</b>	Customer Supplied Battery/Driver/Sensor
<b>XLED</b>	Fixed Xicato LED



\*Cross section with TC Option

## 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>	80 CRI, all color temperatures, all lumen packages	<b>(M)AC48G</b>	<b>(M)AC</b> to Grid	<b>U</b>	<b>Universal</b> (120-277)	<b>FSD</b>	<b>Factory Select Driver</b> (1%, 0-10v)
<b>HE</b>		<b>(M)AC48JB</b>	<b>(M)AC</b> to J-BOX	<b>1</b>	120V	<b>1</b>	Single Circuit
<b>BW</b>	See pg 2	<b>(M)AC48ST</b>	<b>(M)AC</b> to Structure	<b>2</b>	277V	<b>E</b>	Emergency
<b>WHE</b>		<b>W</b>	Wall Mount			<b>N</b>	Night Light
		<b>S</b>	Surface Mount			<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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EX3D\_LED\_SPEC\_MARCH2025



## 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

	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>	Encelium 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

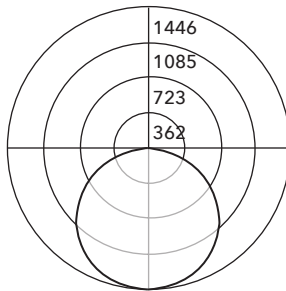
- Specify **MOD** in the part number for any of the below options
- Control** Options may require specific driver. Refer to the chart below
- Consult factory for **MOD** specification details, pricing, and lead-time information

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

## Photometrics

### Satine Lens

Test # 91449, 93985<sup>1</sup>  
 Catalog # EX3D-A-840VHO-4  
 Lumens 4125 lm  
 Watts 36 w  
 Efficacy 114.6 LPW



### Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1446	1446	1446	1446	1446
5	1439	1440	1440	1440	1440
10	1422	1420	1423	1423	1423
15	1393	1383	1391	1392	1389
20	1347	1338	1346	1346	1344
25	1292	1280	1289	1289	1286
30	1225	1214	1222	1220	1217
35	1149	1137	1146	1141	1138
40	1062	1054	1059	1054	1052
45	969	960	963	958	954
50	865	859	860	854	852
55	756	751	750	743	744
60	641	635	633	629	626
65	522	518	516	511	511
70	399	395	392	391	391
75	276	275	275	274	275
80	161	163	164	164	166
85	67	67	69	69	69
90	0	0	0	0	0

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11170	11101	10997
55	10744	10658	10573
65	10068	9952	9856
75	8692	8661	8661
85	6266	6453	6453

<sup>1</sup>Based on ITL Reports 91449 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 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 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. 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. 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).

**CRI, CCT & 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), 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, textured black, graphite 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.

**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 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.