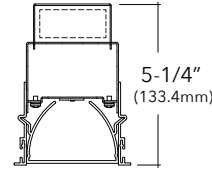


# EDGE EV3D

## 3" Recessed Linear



### Key Features

- Extruded aluminum trim with formed cold rolled 18 gauge steel back box housing
- Highly reflective white painted steel reflector
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed, IC rated
- Approved for dry/damp location unless otherwise noted
- Maximum fixture weight is 15lbs per 4ft fixture
- Room-Side Maintenance for LED system
- Buy American Act compliant
- Indigo-Clean available, see Indigo-Clean specification sheets for details



Example Part #: EV3D-HE-830HO-26'-G1-U-OL2-1-0-W

EV3D - SHIELDING - SOURCE - LENGTH OR PATTERN - MOUNTING - VOLTAGE - DRIVER - CIRCUITING - BATTERY & EMERGENCY - FINISH - FIXTURE OPTIONS - CONTROLS

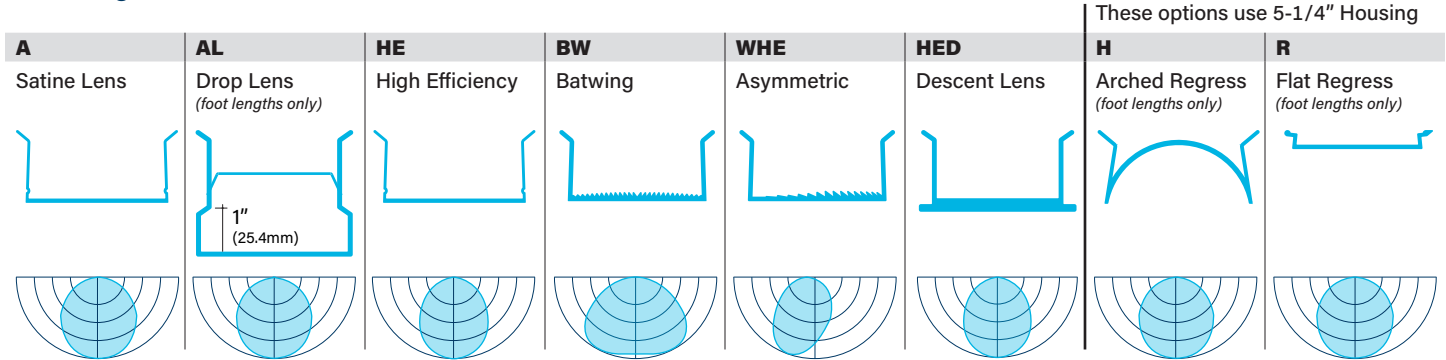
SHIELDING	SOURCE <sup>QS</sup> <sub>1</sub>	LENGTH OR PATTERN <sup>2</sup>	MOUNTING <sup>3</sup>
<b>A</b> - Satine Lens <sup>QS</sup> <b>HE</b> - High Efficiency Lens <sup>QS</sup> <b>BW</b> - Batwing <sup>QS</sup> <b>WHE</b> - Asymmetric <sup>QS</sup> <b>AL</b> - Drop Lens <b>HED</b> - Descent Lens <b>H</b> - Arched Regress Lens <b>R</b> - Regress Lens <i>Shielding pg. 2</i>	<b>27</b> - 2700K <b>30</b> - 3000K <b>35</b> - 3500K <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>	<b>---</b> Individual Fixture <sup>QS</sup> <b>---</b> Continuous Row <sup>QS</sup> <b>L_x</b> - L Shape <sup>QS</sup> <b>R_x</b> - Rectangle <sup>QS</sup> <b>S_</b> - Square <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>WC_x</b> - Wall to Ceiling <sup>QS</sup> <b>M</b> - Mod Layout <i>Length and Pattern pg. 2-3</i>	<b>G1(G)</b> - 1" (15/16") T Bar <sup>QS</sup> <b>G9(G)</b> - 9/16" T Bar <sup>QS</sup> <b>GB(G)</b> - 9/16" Bevel T Bar <b>GS(G)</b> - Screw Slot T Bar <sup>QS</sup> <b>FL(F)</b> - 1/2" Flange <sup>QS</sup> <b>NF(N)</b> - Non Flange <sup>QS</sup> <b>SF(S)</b> - Spackle Flange <sup>QS</sup> <i>Mounting pg. 4</i>
VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY <sup>4</sup>
<b>U</b> - Universal <sup>QS</sup> <i>(120 thru 277V)</i> <b>1</b> - 120V <sup>QS</sup> <b>2</b> - 277V <sup>QS</sup> <b>3</b> - 347V <i>Voltage pg. 4</i>	<b>PL2</b> - Advance Xitanium (1%, 0-10v) <sup>QS</sup> <b>OL4</b> - Osram 347v (1%, 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>PR1</b> - Advance Xitanium SR <b>OL2</b> - Osram (1%, 0-10v) <sup>QS</sup> <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 <sup>QS</sup> <i>(entire fixture)</i> <b>N</b> - Night Light <sup>QS</sup> <i>(entire fixture)</i> <i>Circuiting pg. 5</i>	<b>0</b> - None <sup>QS</sup> <b>P</b> - Bodine 10W <b>IC</b> - Iota 10W (CEC Listed) <sup>QS</sup> <b>E</b> - Emergency Circuit Section <b>N</b> - Night Light Circuit Section <b>L</b> - Life Safety Circuit Section <b>G</b> - Bodine GTD <i>Battery and Emergency pg. 5</i>
FINISH	FIXTURE OPTIONS <sup>5</sup>	CONTROLS <sup>6</sup>	
<b>W</b> - White <sup>QS</sup> <b>S</b> - Metallic Silver <b>BL</b> - Textured Black <b>BR</b> - Bronze <b>GR</b> - Graphite <b>CC</b> - Custom Color <i>Finish pg. 5</i>	<b>QS</b> - Quick Ship <sup>QS</sup> <b>CP</b> - Chicago Plenum <sup>QS</sup> <b>LMRA</b> - Adjustable MR16 (LED) <b>XLED</b> - Fixed Xicato LED <b>PM</b> - Perimeter Mount <b>RC</b> - Rotating Crossbar <b>GLR</b> - Internal Fast Blow Fuse <sup>QS</sup> <i>Fixture Options pg. 5-6</i>	<b>DLMFS</b> - Wattstopper LLC (wireless) <b>EASYS</b> - Philips EasySense (wireless) <b>SNSLM</b> - Osram Sensilum (wireless) <b>WVLX</b> - Eaton WaveLinx (wireless) <b>VDO</b> - Lutron Vive Sensor (wireless) <b>VRF</b> - Lutron Vive Connected (wireless) <i>Controls pg. 6</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. For Quickship CRI, CCT & Output see chart on page 5 <sup>2</sup>Individual fixtures come in 2', 3', 4', 5', 6', 7' & 8' lengths. Continuous row come in 1/8" increments. For Patterns specify pattern shape and overall dimensions. Example: L6x4: L pattern that is 6'x4'. <sup>3</sup>Specify mounting for individual or continuous length: G1, G9, GS, FL, NF & SF for continuous rows, G1G, G9G, GSG, FLF, NFN & SFS for individual lengths. <sup>4</sup>Enter quantity for Battery and Emergency, Example 2P. <sup>5</sup>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 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.



## Shielding



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

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory
- 80 CRI = R9≥19 and 90 CRI = R9≥61
- QuickShip available for: "A" lens, 80 CRI, all color temperature, and all lumen packages
- 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>															
			A		AL		HE		BW		WHE		HED		H		R	
			Satine <i>LPW</i>	<i>Watts/ft</i>	Drop <i>LPW</i>	<i>Watts/ft</i>	High Efficiency <i>LPW</i>	<i>Watts/ft</i>	Batwing <i>LPW</i>	<i>Watts/ft</i>	Asymmetric <i>LPW</i>	<i>Watts/ft</i>	Descent Lens <i>LPW</i>	<i>Watts/ft</i>	Arched Regress <i>LPW</i>	<i>Watts/ft</i>	Regress <i>LPW</i>	<i>Watts/ft</i>
830	3000K	500	119.0	4.2	126	4.0	137	3.7	129	3.9	133	3.7	115.4	4.3	101	5.0	116	4.3
830HO	3000K	750	119.4	6.3	128	5.9	140	5.3	132	5.7	137	5.5	114.5	6.6	103	7.3	116	6.5
830VHO	3000K	1000	124.4	8.0	129	7.7	137	7.3	136	7.4	141	7.1	120.5	8.3	N/A		122	8.2
835	3500K	500	122.7	4.1	130	3.9	141	3.5	133	3.8	138	3.6	119.0	4.2	104	4.8	120	4.2
835HO	3500K	750	123.2	6.1	133	5.6	145	5.2	136	5.5	141	5.3	119.4	6.3	106	7.1	121	6.2
835VHO	3500K	1000	124.6	8.0	137	7.3	141	7.1	140	7.1	138	7.3	124.4	8.0	N/A		126	8.0
840	4000K	500	122.7	4.1	130	3.9	141	3.5	133	3.8	138	3.6	119.0	4.2	104	4.8	120	4.2
840HO	4000K	750	123.2	6.1	133	5.6	145	5.2	136	5.5	141	5.3	119.4	6.3	106	7.1	121	6.2
840VHO	4000K	1000	124.6	8.0	137	7.3	141	7.1	140	7.1	138	7.3	124.4	8.0	N/A		126	8.0

### 90 CRI

<b>927</b>	2700K	500	100.3	5.0	106	4.7	113	4.4	109	4.6	113	4.4	97.3	5.1	81	6.2	98	5.1
<b>927HO</b>	2700K	750	102.7	7.3	104	7.2	112	6.7	107	7.0	109	6.9	97.1	7.7	N/A		135	7.4
<b>930</b>	3000K	500	108.3	4.6	113	4.4	123	4.1	116	4.3	120	4.2	105.1	4.8	89	5.6	106	4.7
<b>930HO</b>	3000K	750	105.9	7.1	112	6.7	123	6.1	115	6.5	120	6.2	102.6	7.3	N/A		104	7.2
<b>935</b>	3500K	500	107.9	4.6	112	4.4	122	4.1	115	4.3	119	4.2	104.6	4.8	89	5.6	106	4.7
<b>935HO</b>	3500K	750	105.5	7.1	112	6.7	123	6.1	114	6.6	120	6.3	102.2	7.3	N/A		103	7.3
<b>940</b>	4000K	500	107.9	4.6	112	4.4	122	4.1	115	4.3	119	4.2	104.6	4.8	89	5.6	106	4.7
<b>940HO</b>	4000K	750	105.5	7.1	112	6.7	123	6.1	114	6.6	120	6.3	102.2	7.3	N/A		103	7.3

## Source: Blanco<sup>3</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>								
		A			HE			BW		
		Satine			High Efficiency			Batwing		
		Lumens/ft	LPW	Watts/ft	Lumens/ft	LPW	Watts/ft	Lumens/ft	LPW	Watts/ft
	2700-6500K	653	77	8.5	754	88	8.5	712	84	8.5

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

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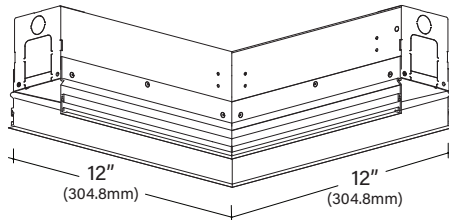


## Length

- All individual units cannot be joined, end trims are factory installed and cannot be removed
- Refer to Pattern section for specification and ordering options
- Continuous Rows are made up of even and odd length fixtures; designed to fall on-grid

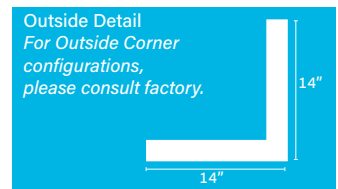
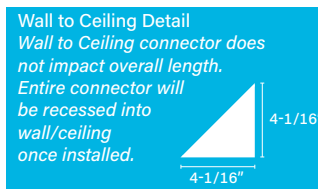
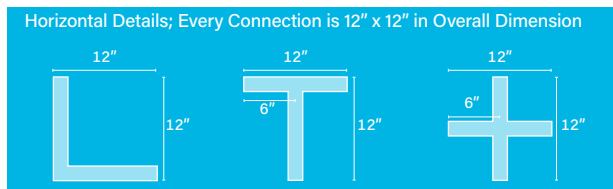
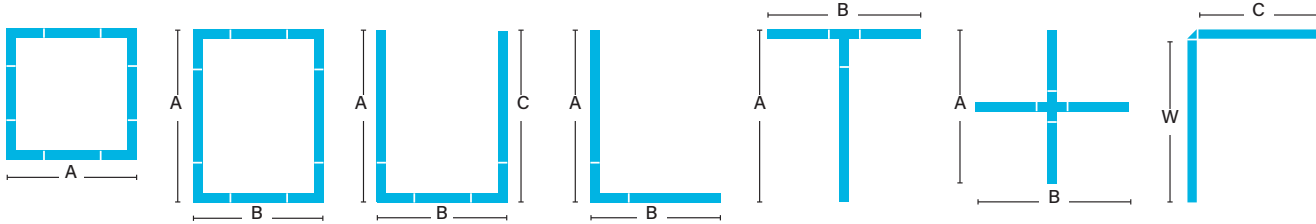
2	3	4	5	6	7	8	—
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run
23" (584.2mm)							Specify nominal overall row length to the 1/8" not available with H or R shielding options
	35" (889mm)						
		47" (1193.8mm)					
			59" (1498.6mm)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

## Pattern



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

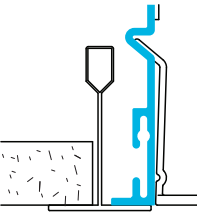
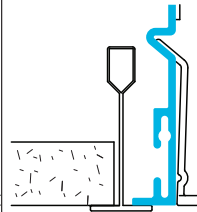
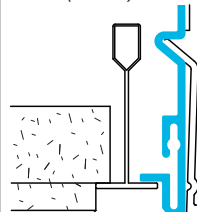
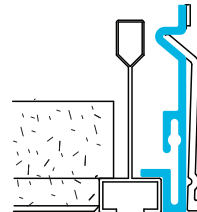
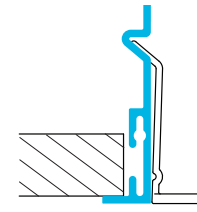
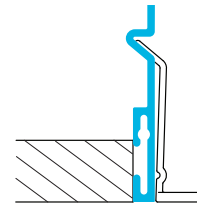
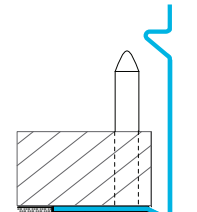
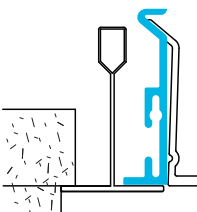
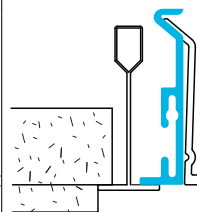
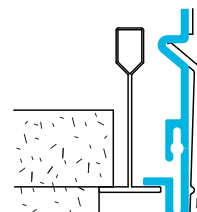
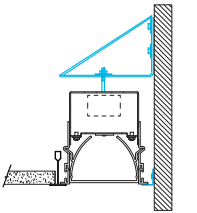
S_	R_x_	U_x_x_	L_x_	T_x_	X_x_	WC_x_	M
Square	Rectangle	U-Shape	L-Shape	T-Shape	X-Shape	Wall to Ceiling	ModLayout
Provide A dimension	Provide AxB dimensions	Provide AxBxC dimensions	Provide AxB dimensions	Provide AxB dimensions	Provide AxB dimensions	Provide WxC dimensions	For patterns or lengths not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





## Mounting

- Individual Units, specify G\_G, FLF, SFS, NFN
- Continuous Units, specify G\_, FL, SF, NF
- Individual units cannot be joined, end trims are factory installed and cannot be removed
- Designed to install into acoustical grid and inaccessible ceilings
- Grid retention brackets integral to housing and require mechanical attachment
- Each housing contains 4 grid retention brackets
- Tie off fixture to structure with retention wires
- Approved for dry/damp location unless otherwise noted

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

## Voltage

- Some EV3D configurations will not accommodate all voltage options; consult with factory

U	Universal
1	120 volt
2	277 volt
3	347 volt

## Driver

- Standard Driver Option = PL2
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some EV3D configurations will not accommodate all driver options; consult with factory

PL2	Advance Xitanium 1%, 0-10v
OL4	Osram Optotronic 347v, 1%, 0-10v (requires 347v)
OL5	Osram Optotronic 1%, 0-10v, AUX
OD1	Osram Optotronic 1%, DEXAL
EE1	eldoLED ECOdrive 1%, 0-10v Logarithmic
EE6	eldoLED ECOdrive 1%, for nLight Air Wireless
ES1	eldoLED SOLOdrive 0%, 0-10v Logarithmic
ES6	eldoLED SOLOdrive 0%, for nLight Air Wireless
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
L51	Lutron 5-Series 5%, EcoSystem, LDE5
PR1	Advance Xitanium SR, requires EASY, VDO, or VRF
OL2	Osram Optotronic 1%, 0-10v, nominal 1% dimming range
ND	Non-Dimming



## How to specify Circuiting, Battery and Emergency

- 1**
- Select fixture circuiting from options below
  - Some EV3D configurations will not accommodate all circuiting options, consult with factory

### Circuiting

<b>1</b>	Single Circuit
<b>M</b>	Multi Circuit <i>(Not available with controls)</i>
<b>E</b>	Emergency Circuit only <i>(uses nLO EZ PH ER with NLIGHT)</i>
<b>N</b>	Night Light Circuit only

- 2** + **3**
- Battery and emergency section options are available in addition to fixture circuit
  - Select battery and emergency section options below; factory shop drawing required
  - Some EV3D 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 2P*
- 90 minute battery runtime; test button is remote
- No battery option available for 2' & 3' lengths
- Entire fixture is on battery for lengths up to 5'
- Half of fixture is on battery for 6' or 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

<b>0</b>	No battery
<b>_P</b>	Bodine 10w Integral
<b>_IC</b>	Iota 10w Integral <i>CEC Listed</i>

### For Approximate Battery Lumen Output

- Multiply battery wattage X fixture LPW shown on Lumen Table
- $92.3 \text{ (LPW)} \times 10 \text{ (watts)} = 923 \text{ battery lumen output}$

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

### Battery OR Emergency Ordering Examples

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

### Combination Section Ordering Examples

- Single circuit, (1) 10w battery, (1) emergency section      Ordering Code: 1-1P1E
- Multi circuit, (2) 10w battery, (2) emergency sections      Ordering Code: M-2P2E
- Single circuit, (1) night light section      Ordering Code: 1-1N

### Finish

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

<b>W</b>	White
<b>S</b>	Metallic Silver
<b>BL</b>	Textured Black
<b>GR</b>	Graphite
<b>BR</b>	Bronze
<b>CC</b>	Custom Color

### Fixture Options

- Additional options to enhance the fixture and finish of the product
- Consult factory for MR16 configurations

<b>QS</b>	Quick Ship
<b>CP</b>	Chicago Plenum
<b>LMRA</b>	Adjustable MR16 LED <i>(not available with U voltage)</i>
<b>XLED</b>	Fixed Xicato LED
<b>PM</b>	Perimeter Mount <i>(not available in 2' or 3')</i>
<b>RC</b>	Rotating Crossbar
<b>GLR</b>	Internal Fast Blow Fuse

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EV3D\_LED\_SPEC\_JUNE2021



## Quick Ship

Shielding	CRI, CCT & Output	Mounting	Voltage	Driver	Circuiting	Battery	Finish						
10-Day													
<b>A</b> <b>HE</b> <b>BW</b> <b>WHE</b>	80 CRI, all color temperatures, all lumen packages <i>See pg 2</i>	<b>G1(G)</b> <b>G9(G)</b> <b>GS(G)</b> <b>FL(F)</b> <b>NF(N)</b> <b>SF(S)</b>	1" T-Bar 9/16" T-Bar Screw Slot 1/2" Flange Flangeless Spackle Flange	<b>U</b> <b>1</b> <b>2</b>	Universal (120-277) 120V 277V	<b>PL2</b> <b>LH1</b> <b>OL2</b> <b>ND</b>	Advance Xitanium 1%, 1-10v Lutron LDE1 Osram 0-10v, 1% Non- Dimming	<b>1</b> <b>E</b> <b>N</b>	Single Circuit Emergency Night Light	<b>0</b> <b>_IC</b>	None Iota 10w Integral	<b>W</b> <b>S</b>	White Silver

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

## Controls

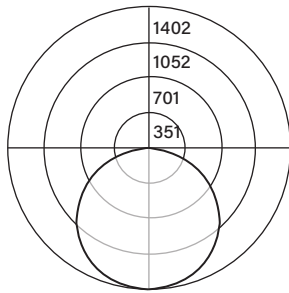
- Pinnacle Lighting offers easy to specify network control solutions that connect to an intelligent centralized system to maximize lighting energy efficiencies or integral sensors for individual fixture control
- Pinnacle Lighting fixtures ship technology ready; commissioning by others
- Controls can 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	Limitations
<b>DLMFC</b>	Legrand Wattstopper DLM	LMFC-011	Digital Lighting Management (DLM)	Wired, two RJ45 ports	Any 0-10v	Not available with Battery
<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>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

## Photometrics

### Satine Lens

Test #	91432, 93985 <sup>1</sup>
Catalog #	EV3D-A-840VHO-4
Lumens	4020 lm
Watts	32.3 w
Efficacy	124.6 LPW



### Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1400	1400	1400	1400	1400
5	1393	1395	1397	1398	1399
15	1348	1344	1350	1350	1348
25	1253	1245	1253	1254	1247
35	1112	1104	1112	1108	1105
45	940	932	935	932	930
55	734	730	730	729	727
65	507	504	503	501	503
75	269	268	271	273	274
85	65	66	70	73	73
90	0	0	0	0	0

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10950	10892	10833
55	10541	10483	10440
65	9882	9804	9804
75	8561	8625	8720
85	6143	6616	6899

<sup>1</sup>Based on ITL Reports 91432 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.

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



## Applications & Certificates

**Construction:** Formed cold-rolled 18 gauge steel housing. Highly reflective die-formed white painted steel reflector.

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

**Mounting:** EDGE is designed to install into acoustical grid and inaccessible ceilings. Specify GXG, FLF, SFS, NFN for individual, unjoinable units (individual units will fall on-grid). Specify GX, FL, SF, NF for continuous runs (runs designed to fall on-grid). Consult factory for detailed installation instructions. Maximum fixture weight is 15lbs per 4' fixture.

**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 = 121,600 hours and L90 = 36,200 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.

**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.

**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 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 Advance Xitanium 0-10V, 1% = PL2. 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 98°F/37°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 accom-

modate 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 or for additional custom color and finish options.

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

**Controls:** DLM utilizes wired network connections for digital control through switching and dimming. nLight Air rES7 sensor provides wireless control, daylight harvesting and occupancy detection with PIR or 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 Phillips 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.

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

**Fixture Weight:** Maximum fixture weight is 15lbs per 4' fixture.

**Buy American Act Compliant**

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