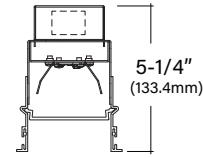


# EDGE EV3D

## 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



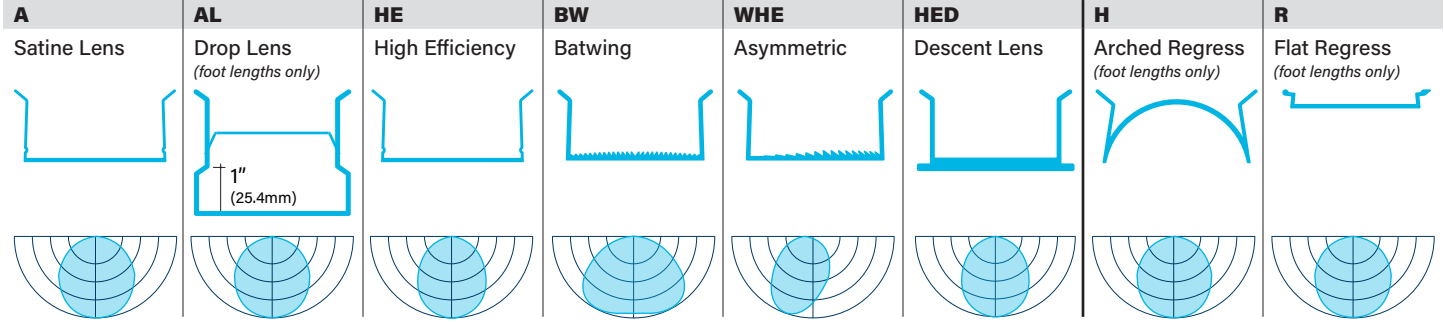
SHIELDING	SOURCE <sup>QS, 1</sup>	LENGTH OR PATTERN <sup>2</sup>	MOUNTING <sup>3</sup>
<b>A</b> - Satine Lens <sup>QS</sup> <b>HE</b> - High Efficiency Lens <sup>QS</sup> <b>BW</b> - Batwing <sup>QS</sup> <b>WHE</b> - Asymmetric <sup>QS</sup> <b>AL</b> - Drop Lens <b>HED</b> - Descent Lens <b>H</b> - 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 (available with BIOS) <b>40</b> - 4000K (available with BIOS) <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>OL2</b> - Osram (1%, 0-10v, standard) <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 <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>I</b> - Iota 10W <sup>QS</sup> <b>IC</b> - Iota 10W (CEC Listed) <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 <b>A</b> - Acuity Power Sentry 10W <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>DLMFC</b> - Wattstopper DLM (wired) <b>NLTAIR</b> - Acuity nLight AIR (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>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. <sup>2</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. BIOS dynamic available, please contact factory for more information. For Quickship CRI, CCT & Output see chart on page 5 <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 mounting for individual or continuous length: G1, G9, GS, FL, NF & SF for continuous rows, G1G, G9G, GSG, FLF, NFN & SFS for individual lengths. \*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 per foot	Shielding <sup>1</sup>															
			A		AL		HE		BW		WHE		HED		H		R	
			Satine LPW	Watts/ft	Drop LPW	Watts/ft	High Efficiency LPW	Watts/ft	Batwing LPW	Watts/ft	Asymmetric LPW	Watts/ft	Descent Lens LPW	Watts/ft	Arched Regress LPW	Watts/ft	Regress LPW	Watts/ft
<b>830</b>	3000K	500	94.1	5.3	117	4.3	108	4.6	106	4.7	101	4.9	104	4.8	85	5.9	92	5.4
<b>830HO</b>	3000K	750	90.2	8.3	114	6.6	106	7.1	104	7.2	99	7.6	102	7.4	82	9.1	88	8.5
<b>830VHO</b>	3000K	1000	N/A		111	9.0	105	9.5	103	9.7	98	10.2	100	10.0	N/A		N/A	
<b>835</b>	3500K	500	96.6	5.2	121	4.1	111	4.5	109	4.6	104	4.8	107	4.7	85	5.9	92	5.4
<b>835HO</b>	3500K	750	93.7	8.0	118	6.3	109	6.9	107	7.0	102	7.4	106	7.1	82	9.1	88	8.5
<b>835VHO</b>	3500K	1000	N/A		115	8.7	105	9.5	107	9.4	100	10.0	104	9.6	N/A		N/A	
<b>840</b>	4000K	500	98.5	5.1	121	4.1	113	4.4	111	4.5	107	4.7	110	4.6	89	5.6	96	5.2
<b>840HO</b>	4000K	750	95.7	7.8	121	6.2	111	6.7	109	6.9	104	7.2	107	7.0	87	8.7	93	8.0
<b>840VHO</b>	4000K	1000	94.2	10.6	117	8.5	108	9.3	105	9.5	103	9.7	106	9.4	N/A		N/A	

90 CRI

<b>927</b>	2700K	500	76.7	6.5	96	5.2	88	5.7	86	5.8	83	6.0	85	5.9	70	7.1	75	6.7
<b>927HO</b>	2700K	750	75.5	9.9	94	8.0	86	8.7	84	8.9	80	9.4	83	9.0	N/A		74	10.2
<b>930</b>	3000K	500	80.2	6.2	101	4.9	94	5.3	92	5.4	86	5.8	89	5.6	74	6.8	78	6.4
<b>930HO</b>	3000K	750	79.9	9.4	100	7.5	91	8.3	89	8.5	84	8.9	87	8.6	N/A		78	9.6
<b>935</b>	3500K	500	82.3	6.1	105	4.8	97	5.2	95	5.3	90	5.6	94	5.3	76	6.5	81	6.1
<b>935HO</b>	3500K	750	80.4	9.3	103	7.3	94	7.9	92	8.1	88	8.6	90	8.3	75	10.0	81	9.3
<b>940</b>	4000K	500	84.6	5.9	108	4.6	99	5.0	97	5.1	93	5.4	95	5.2	78	6.4	83	6.0
<b>940HO</b>	4000K	750	82.6	9.1	106	7.1	97	7.7	95	7.9	90	8.4	93	8.1	77	9.7	81	9.3

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>					
			A		HE		BW	
			Satine LPW	Watts/ft	High Efficiency LPW	Watts/ft	Batwing LPW	Watts/ft
<b>B35</b>	3500K	500	60	8.3	68	7.4	63	8.0
<b>B35HO</b>	3500K	750	58	13.0	66	11.4	62	12.2
<b>B40</b>	4000K	500	61	8.3	68	7.3	64	7.8
<b>B40HO</b>	4000K	750	59	12.6	69	10.9	63	12.0

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

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.

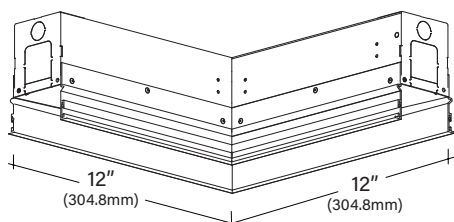


## Length

- 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

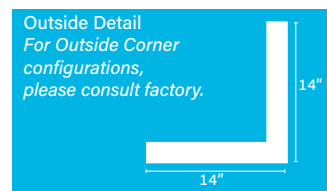
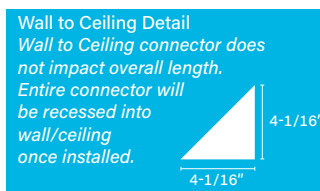
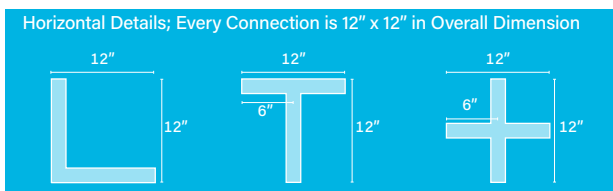
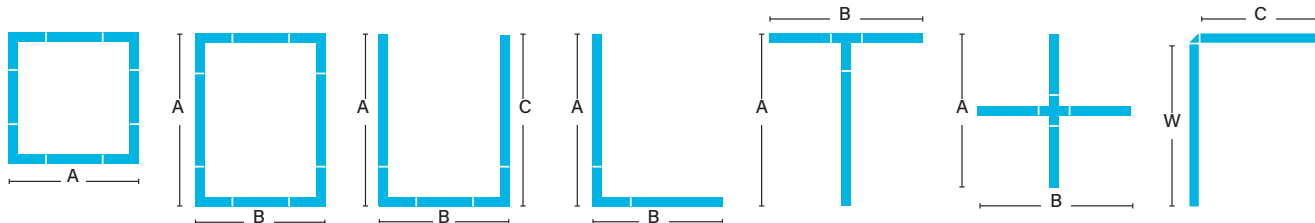
2	3	4	5	6	7	8	—
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run
23" (584.2mm)	35" (889mm)	47" (1193.8mm)	59" (1498.6mm)	71" (1803.4mm)	83" (2108.2mm)	95" (2413mm)	Specify nominal overall row length to the 1/8" not available with H or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

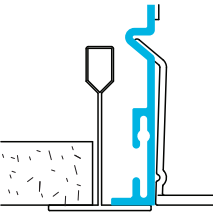
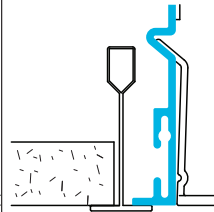
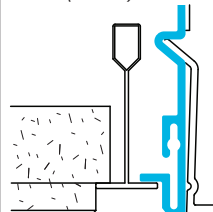
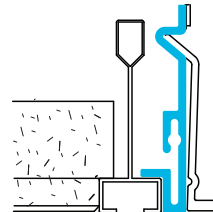
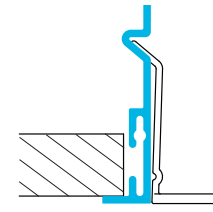
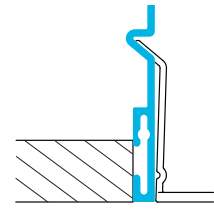
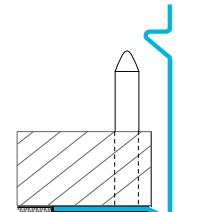
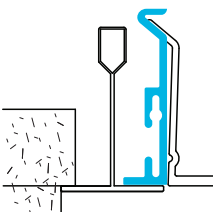
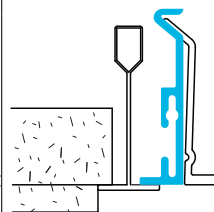
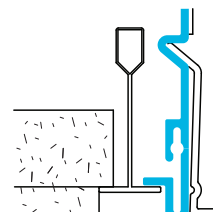
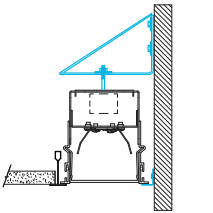
S	R_x	U_x_x	L_x	T_x	X_x	WC_x	M
Square Provide A dimension Example: <b>S4'</b> Nominal Length- 4'x4' Minimum Length- 3'11"x3'11"	Rectangle Provide AxB dimensions Example: <b>R4'x4'</b> Nominal Length- 4'x4' Minimum Length- 3'11"x3'11"	U-Shape Provide AxBxC dimensions Example: <b>U3'x4'x3'</b> Nominal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





## 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

<b>G1G</b> Individual Unit	<b>G9G</b>	<b>GBG</b>	<b>GSG</b>	<b>FLF</b>	<b>NFN</b>	<b>SFS</b>
<b>G1</b> Continuous Run or Pattern	<b>G9</b>	<b>GB</b>	<b>GS</b>	<b>FL</b>	<b>NF</b>	<b>SF</b>
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			
						<b>PM</b> Optional Perimeter Mounting Includes bracket and wall rail
						

## Voltage

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

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

## Driver

- Standard Driver Option = OL2
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some EV3D configurations will not accommodate all driver options; consult with factory

<b>OL2</b>	Osram Optotronic 1%, 0-10v, nominal 1% dimming range
<b>OL3</b>	Osram Optotronic 347v 10%, 0-10v, <i>requires 347v option</i>
<b>OL5</b>	Osram Optotronic 1%, 0-10v, AUX
<b>OD1</b>	Osram Optotronic 1%, DEXAL
<b>EE1</b>	eldoLED ECOdrive 1%, 0-10v Logarithmic
<b>EE6</b>	eldoLED ECOdrive 1%, for nLight Air Wireless
<b>ES1</b>	eldoLED SOLOdrive 0%, 0-10v Logarithmic
<b>ES6</b>	eldoLED SOLOdrive 0%, <i>for nLight Air Wireless</i>
<b>LH1</b>	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
<b>L51</b>	Lutron 5-Series 5%, EcoSystem, LDE5
<b>PL2</b>	Advance Xitanium 1%, 0-10v
<b>PR1</b>	Advance Xitanium SR, <i>requires EASY, VDO, or VRF</i>
<b>ND</b>	Non-Dimming

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EV3D\_LED\_SPEC\_JAN2021



## 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 nIO 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

#### For Approximate Battery Lumen Output

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

<b>0</b>	No battery
<b>_P</b>	Bodine 10w Integral
<b>_I</b>	Iota 10w Integral
<b>_IC</b>	Iota 10w Integral <i>CEC Listed</i>
<b>_A</b>	Acuity Power Sentry 10W Integral <i>(Requires eldoLED DRIVER)</i>

#### 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\_JAN2021



Quick Ship

Shielding	CRI, CCT & Output	Mounting	Voltage	Driver	Circuiting	Battery	Finish					
<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>	<b>U</b> <b>1</b> <b>2</b>	Universal (120-277) 120V 277V	<b>OL2</b> <b>PL2</b> <b>LH1</b> <b>ND</b>	Osram 0-10v, 1% Advance Xitanium 1%, 1-10v Lutron LDE1 Non- Dimming	<b>1</b> <b>E</b> <b>N</b>	Single Circuit Emergency Night Light	<b>0</b> <b>I</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

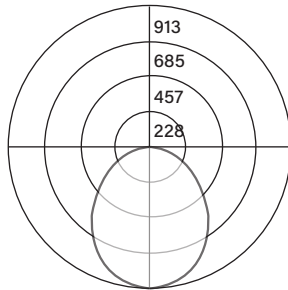
- Pinnacle Lighting offers easy to specify network control solutions that connect to an intelligent centralized system to maximize lighting energy efficiencies or integral sensors for individual fixture control
- Pinnacle Lighting fixtures ship technology ready; commissioning by others
- Controls can 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>NLTAIRS</b>	Acuity nLight AIR Wireless	RES7 G2	nLight, Daylight/PIR Occupancy Sensor	Wireless	EE6, ES6	Not available with 347 volt
<b>NLTAIRM</b>	Acuity nLight AIR Wireless	RES7 PDT G2	nLight, Daylight/PIR Occupancy Sensor	Wireless	EE6, ES6	Not available with 347 volt
<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, OL1, OL2	Not available with 347 volt
<b>WLVX</b>	Eaton WaveLinx	SWPD1, MSP3IVMDC1	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 # ITL89785  
Catalog # EV3D-HE-840-4  
Lumens 2074 lm  
Watts 19.4 w  
Efficacy 106.9 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	913	913	913	913	913
5	905	907	906	906	906
15	862	857	853	842	837
25	777	762	747	726	714
35	657	638	612	581	567
45	520	501	470	439	428
55	378	363	335	309	300
65	244	234	213	196	191
75	122	118	107	99	97
85	29	28	26	24	24
90	0	0	0	0	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8077	7300	6648
55	7238	6414	5744
65	6341	5535	4964
75	5177	4540	4116
85	3654	3276	3024

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

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## 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 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, 1% = OL2. Electronic driver, Power factor is >0.9 with a THD <20%. Driver Lifetime: 50,000 hours at 25°C ambient operating conditions. Ambient operating range: -20°F/-30°C to 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 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.

**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.