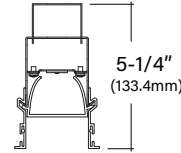


EDGE EV2D

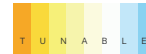
2" Recessed Linear



See Mounting Section

Key Features

- Extruded aluminum trim with formed cold rolled 20 gauge steel back box housing
- 5-year limited warranty covers LED, driver and fixture
- ETL Listed conforming to UL1598 in US and CSA 250 in Canada
- Approved for dry/damp location unless otherwise noted
- Room-Side Maintenance for LED system
- Product transparency with third-party verified Living Building Challenge (LBC) Declared



Example Part #: EV2D-HE-830HO-26'-G1-U-FSD-1-0-W

EV2D - **SHIELDING** - **SOURCE** - **LENGTH OR PATTERN** - **MOUNTING** - **VOLTAGE** - **DRIVER** - **CIRCUITING** - **BATTERY & EMERGENCY** - **FINISH** - **FIXTURE OPTIONS** - **CONTROLS**

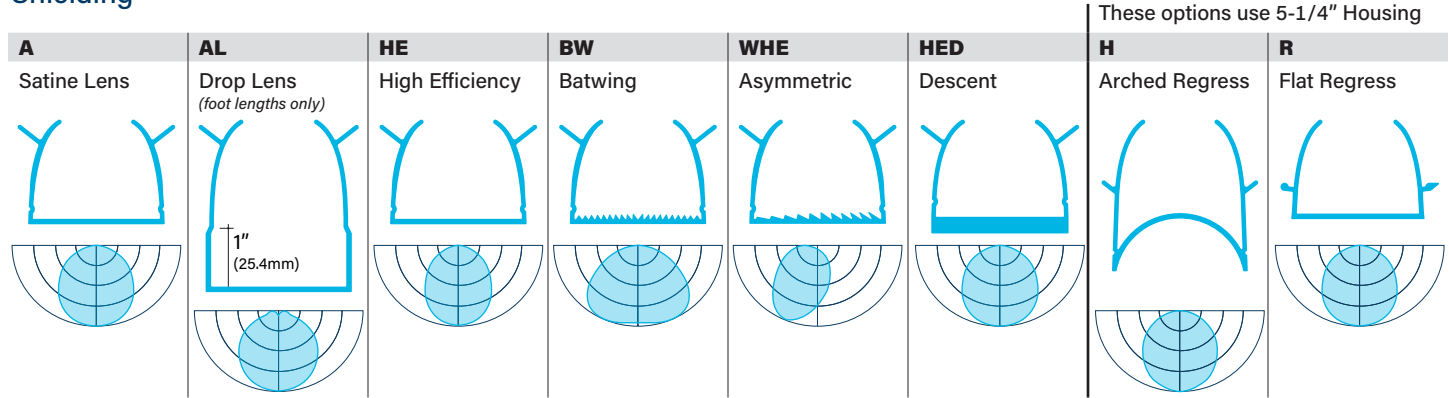
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SHIELDING	SOURCE ^{1,2}	LENGTH OR PATTERN ³	MOUNTING
A - Satine Lens <i>QS</i> AL - Drop Lens HE - High Efficiency Lens <i>QS</i> HED - Descant Lens BW - Batwing <i>QS</i> WHE - Asymmetric <i>QS</i> H - Arched Regress Lens R - Regress Lens <i>Shielding pg. 2</i>	_27_ - 2700K _30_ - 3000K _35_ - 3500K _40_ - 4000K TW - 2CH Tunable White (2700-6500K, 90CRI) CL - Custom Lumens CW - Custom Watts MOD - Mod options available <i>Lumen Output pg. 2</i>	_ - Individual Fixture <i>QS</i> _ - Continuous Row <i>QS</i> L_x - L Shape <i>QS</i> R_x - Rectangle <i>QS</i> S - Square <i>QS</i> U_x - U Shape <i>QS</i> T_x - T Shape X_x_x - X Shape WC_x - Wall to Ceiling <i>QS</i> MOD - Mod options available <i>Length and Pattern pg. 3</i>	G1 - 1" (15/16") T Bar <i>QS</i> G9 - 9/16" T Bar <i>QS</i> GB - 9/16" Bevel T Bar GS - Screw Slot T Bar <i>QS</i> FL - 1/2" Flange <i>QS</i> NF - Non Flange <i>QS</i> SF - Spackle Flange <i>QS</i> MOD - Mod options available <i>Mounting pg. 4</i>
---	---	---	---
VOLTAGE ⁴	DRIVER	CIRCUITING ⁵	BATTERY & EMERGENCY ⁶
U - Universal <i>QS</i> <i>(120 thru 277V)</i> 1 - 120V <i>QS</i> 2 - 277V <i>QS</i> 3 - 347V <i>Voltage pg. 4</i>	FSD - Factory Select Driver (1%, 0-10v) <i>QS</i> PL2 - Advance Xitanium (1%, 0-10v) OL2 - eldoLED Optotronic (1%, 0-10v) OL4 - eldoLED Optotronic 347v (1%, 0-10v) EE1 - eldoLED ECOdrive (1%, 0-10v) ES1 - eldoLED SOLOdrive (0.1%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) PR1 - Advance Xitanium SR MOD - Mod options available <i>Driver pg. 5</i>	1 - Single Circuit <i>QS</i> M - Multi Circuit E - Emergency <i>QS</i> <i>(entire fixture)</i> N - Night Light <i>QS</i> <i>(entire fixture)</i> <i>Circuiting pg. 5</i>	0 - None <i>QS</i> FSD - Factory Select Battery <i>QS</i> FSG - Factory Select ALCR GI - Iota ETS DR GB - Bodine GTD ILL - Iota 10W PLL - Bodine 10W E - Emergency Circuit Section N - Night Light Circuit Section L - Life Safety Circuit Section <i>Battery and Emergency pg. 5-6</i>
---	---	---	---
FINISH	FIXTURE OPTIONS ^{7,8}	CONTROLS ⁹	
W - White <i>QS</i> S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 6</i>	QS - Quick Ship <i>QS</i> CP - Chicago Plenum <i>QS</i> FIL - Field Cut Illuminated Extension <i>QS</i> RC - Rotating Crossbar GLR - Internal Fast Blow Fuse <i>QS</i> MOD - Mod options available DSP - Customer Supplied Battery/Driver/Sensor FW6 - 6' Flex Whip BA - Buy America(n) Act and/or Build America Buy America Compliant <i>Fixture Options pg. 6-7</i>	DLMFC - Wattstopper DLM DLMFS - Wattstopper LLLC EASYS - Philips EasySense SNSLM - Wattstopper PLUS SensiLUM WVLX - Eaton Wavelinx VDO - Lutron Vive Sensor VRF - Lutron Vive Connected MOD - Mod options available <i>Controls pg. 7</i>	

¹When 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. ²When 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. ³Individual 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'. ⁴Tunable White (**TW**) option only available with Universal (**U**), 120V (**1**) or 277V (**2**) options. ⁵Consult factory for Emergency (**E**) or Night Light (**N**) options with Tunable White (**TW**) option. ⁶Enter quantity for Battery and Emergency, Example 2PLL. ⁷When ordering QuickShip, **QS** must be used in fixture options section of part number to qualify. Rotating Crossbar (**RC**) option only available with **FL** and **NF** mounting. ⁸Compliance is configuration dependent; consult factory for confirmation. ⁹Controls 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

- 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

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
CLTW _____	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	Shielding¹															
			A Satine		AL Drop		HE High Efficiency		BW Batwing		WHE Asymmetric		HED Descent		H Arched Regress		R Regress	
			LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft
830	3000K	500	103	4.9	105	4.8	123	4.1	120	4.2	120	4.2	101	4.9	105	4.8	98	5.1
830HO		750	105	7.2	107	7.0	123	6.1	120	6.2	120	6.3	103	7.3	107	7.0	99	7.6
830VHO		1000	106	9.4	107	9.3	126	8.0	123	8.1	123	8.2	105	9.5	107	9.3	99	MAX
835	3500K	500	106	4.7	108	4.6	122	4.1	124	4.0	124	4.0	105	4.8	108	4.6	101	5.0
835HO		750	108	6.9	110	6.8	127	5.9	124	6.1	123	6.1	107	7.0	110	6.8	101	7.5
835VHO		1000	108	9.2	111	9.0	130	7.7	127	7.9	127	7.9	107	9.3	111	9.0	102	9.8
840	4000K	500	106	4.7	108	4.6	122	4.1	124	4.0	124	4.0	105	4.8	108	4.6	101	5.0
840HO		750	108	6.9	110	6.8	127	5.9	124	6.1	123	6.1	107	7.0	110	6.8	101	7.5
840VHO		1000	108	9.2	111	9.0	130	7.7	127	7.9	127	7.9	107	9.3	111	9.0	102	9.8

90 CRI

927	2700K	500	84	5.9	86	5.8	102	4.9	100	5.0	99	5.0	84	6.0	86	5.8	79	6.4
927HO		750	86	8.7	88	8.5	102	7.4	99	7.5	99	7.6	85	8.8	88	8.5	80	9.3
927VHO		1000	N/A		N/A		103	9.7	N/A		N/A		N/A		N/A		N/A	
930	3000K	500	93	5.4	95	5.3	109	4.6	107	4.7	106	4.7	91	5.5	95	5.3	86	5.8
930HO		750	94	8.0	96	7.8	111	6.8	109	6.9	108	6.9	93	8.1	96	7.8	88	8.5
930VHO		1000	N/A		N/A		112	9.0	109	9.2	109	9.2	N/A		N/A		N/A	
935	3500K	500	92	5.4	94	5.3	108	4.6	106	4.7	106	4.7	91	5.5	94	5.3	86	5.8
935HO		750	94	8.0	96	7.8	111	6.8	108	6.9	108	7.0	92	8.1	96	7.8	88	8.6
935VHO		1000	N/A		N/A		111	9.0	109	9.2	108	9.2	N/A		N/A		N/A	
940	4000K	500	92	5.4	94	5.3	108	4.6	106	4.7	106	4.7	91	5.5	94	5.3	86	5.8
940HO		750	94	8.0	96	7.8	111	6.8	108	6.9	108	7.0	92	8.1	96	7.8	88	8.6
940VHO		1000	N/A		N/A		111	9.0	109	9.2	108	9.2	N/A		N/A		N/A	

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

TW	2700 - 6500K	500	82.1	6.1	84.0	6.0	99.0	5.0	95.1	5.3	96.4	5.2	80.7	6.2	63.7	7.8	76.2	6.6
TWHO		750	77.6	9.7	79.6	9.4	95.2	7.9	92.2	8.1	92.3	8.1	76.8	9.8	N/A		N/A	
TWVHO		1000	N/A		N/A		N/A		N/A		N/A							



Length

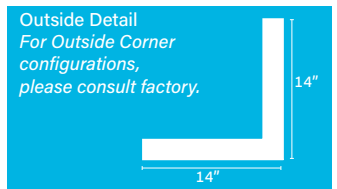
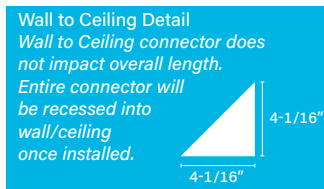
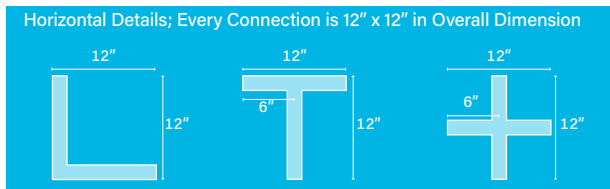
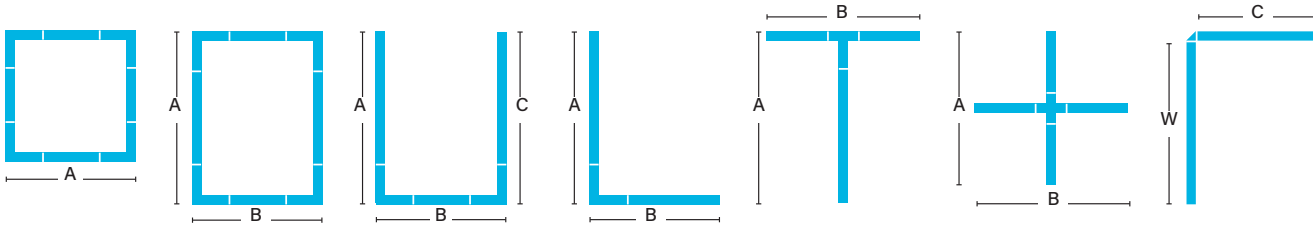
- All individual units cannot be joined, end trims are factory installed and cannot be removed
- Refer to Pattern section for specification and ordering options
- Continuous Rows are made up of even and odd length fixtures; designed to fall on on-grid

2	3	4	5	6	7	8	—
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run Specify nominal overall row length to the 1/8"
23" (584.2mm)							
	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
Square	Rectangle	U-Shape	L-Shape	T-Shape	X-Shape	Wall to Ceiling
Provide A dimension	Provide Ax B dimensions	Provide Ax BxC dimensions	Provide Ax B dimensions	Provide Ax B dimensions	Provide Ax B dimensions	Provide WxC dimensions
Example: S4'	Example: R4'x4'	Example: U3'x4'x3'	Example: L3'x3'	Example: T3'x5'	Example: X5'x5'	Example: WC2'x2'
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"



Length or Pattern: MOD Options

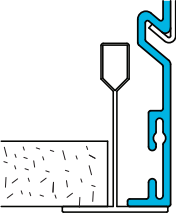
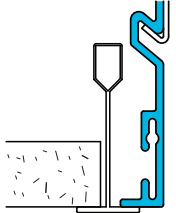
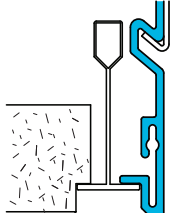
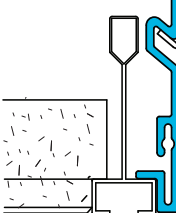
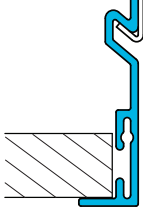
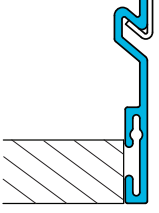
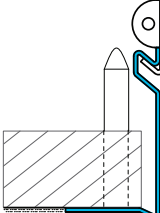
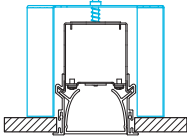
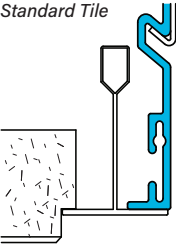
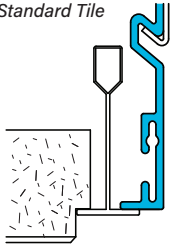
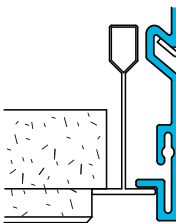
- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

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



Mounting

- 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

G1	G9	GB	GS	FL	NF	SF
1" (15/16") T-Bar Flange to Flange: 3-1/16" (77.8mm)	9/16" T-Bar For tegular tile installations, fixture position will not be flush to the bottom of the tile Flange to Flange: 3-1/16" (77.8mm)	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: 3-1/16" (77.8mm)	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: 3-1/16" (77.8mm)	Exposed Standard 1/2" Flange Detail Flange to Flange: 3-3/8" (85.7mm)	Metal Pan or Millwork Flange to Flange: 2-11/16" (68.2mm)	Drywall, Flangeless Detail Flange to Flange: 4-1/4" (108mm)
 Standard Tile	 Standard Tile	 Tegular Tile	 Tegular Tile			 RC Optional Rotating Crossbar 
 Tegular Tile	 Tegular Tile		 Tegular Tile			

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

MOD	Recessed to Suspended
	Alternative Ceiling Solutions
	Combination Rails

Voltage

- Some EV2D configurations will not accommodate all voltage options; consult with factory
- 347 volt not available with Tunable White (TW) option

U	Universal
1	120 volt
2	277 volt
3	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 EV2D configurations will not accommodate all driver options; consult with factory

0-10V Drivers

FSD	Factory Select Driver 1%, 0-10v
PL2	Advance Xitanium 1%, 0-10v
PL4	Advance Xitanium 347v 1%, 0-10v, requires 347v
OL2	eldoLED Optotronic, 1%, 0-10v
OL4	eldoLED Optotronic 347v, 1% 0-10v, requires 347v option
EE1	eldoLED ECOdrive 1%, 0-10v, Logarithmic
EE2	eldoLED ECOdrive 1%, 0-10v, Linear
ES1	eldoLED SOLOdrive 0.1%, 0-10v, Logarithmic
ES2	eldoLED SOLOdrive 0.1%, 0-10v, Linear
PL5	Advance Xitanium 1%, 0-10v, AUX, Dim to Off
OL5	eldoLED Optotronic 1%, 0-10v, AUX, Dim to Off

DALI Drivers

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

Lutron Drivers

LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
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Alternate Drivers

PS1	Advance Xitanium Step Dimming 50%/100%
EH1	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

MOD	Power Over Ethernet
------------	---------------------

How to Specify Circuiting, Battery and Emergency

- Select fixture circuiting from options below
 - Some EV2D 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

1	Single Circuit
M	Multi Circuit <i>(Not available with controls)</i>
E	Emergency Circuit only
N	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 EV2D configurations will not accommodate all circuiting options, consult with factory

Battery and/or Emergency If Required

0	No battery or specific emergency section required
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Battery

- Select battery section type if required, indicate total QTY. *Example 2PLL*
- 90 minute battery runtime; test button location dependent on configuration, consult factory
- For Tunable White (TW) option, battery with illuminate 6500K LED unless otherwise specified.

- 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

0	No Battery
_FSB	Factory Select Battery (10w option)
_FSBST	Factory Select Battery (10w, Self Testing)
_PLL	Bodine 10w Integral Lithium, Self Testing
_ILL	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

_FSG	Factory Select ALCR, Emergency Control Device, UNV
_GI	Iota ETS-DR, Emergency Transfer Switch, UNV
_GB	Bodine GTD, Generator Transfer Device, 120v or 277v
_E	Emergency circuit section
_N	Night Light circuit section
_L	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

W	White
S	Metallic Silver
BL	Textured Black
GR	Graphite
BR	Bronze
CC	Custom Color

Fixture Options

- FIL has 2" min - 12" max length
- FIL Option angle range is 40° to 90°
- FIL Option is not IC rated
- Rotating Crossbar (RC) option only available with FL and NF mounting.

QS	Quick Ship
CP	Chicago Plenum
FIL	Field Cut Illuminated Extension
RC	Rotating Crossbar
DSP	Customer Supplied Battery/Driver/Sensor
GLR	Internal Fast Blow Fuse
FW6	6' Flex Whip

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

BA	Buy America(n) Act and/or Build America Buy America Compliant
-----------	---

Quick Ship

Shielding	Source	Mounting	Voltage	Driver	Circuiting	Battery	Finish	Options
10-Day								
A	80 CRI, all color temperatures, all lumen packages <i>See pg 2</i>	G1	U Universal (120-277) 1 120V 2 277V	FSD Factory Select Driver (1%, 0-10v)	1 Single Circuit E Emergency N Night Light	0 None FSB Factory Select Battery	W White	CP Chicago Plenum
HE		G9						FIL Field Cut
BW		GS						Extensions
WHE		FL						GLR Fast Blow Fuse
		NF						
		SF						

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

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EV2D_LED_SPEC_SEPTEMBER2025



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

MOD Remote Driver

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
- Consult factory for Controls with Tunable White (TW) option

	Solution	Components	Network/Sensor	Connection	Required Drivers	Limitation
DLMFC	Legrand Wattstopper DLM	LMFC-011	Digital Lighting Management (DLM)	Wired, two RJ45 ports	OL2, OL4	None
DLMFS	Legrand Wattstopper LLLC	LMFS-601-W / LMFI-111	Wireless DLM Fixture Sensor	Wireless	OD1, PR1, 0-10v	0-10v requires interface
EASYS	Philips EasySense	SNS-210	Daylight/PIR Occupancy	Wireless to switches	PR1	Not available with 347 volt
SNSLM	Wattstopper PLUS SensiLUM	EN-CLM-PIR-DD-ZB	Encelium, Daylight/PIR Occupancy	Wireless	OD1, OL5	Not available with 347 volt
WLVX	Eaton Wavelinx	SWPD1, NSP3IVMVDC1	WaveLinx WCL, Daylight	Wireless	Any 0-10v	Not available with 347 volt
VDO	Lutron Vive Sensor	DFCSJ-OEM-OCC	Vive, Daylight/PIR Occupancy	Wireless	OD1, PR1	Not available with 347 volt
VRF	Lutron Vive Connected	DFCSJ-OEM-RF	Vive	Wireless	OD1, PR1	Not available with 347 volt

Controls: MOD Options

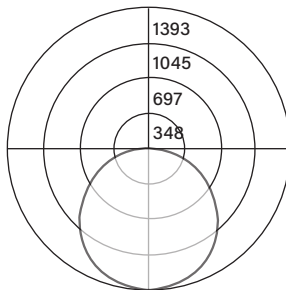
- Specify **MOD** in the part number for any of the below options
- Control** Options may require specific driver. Refer to the chart below
- Consult factory for **MOD** specification details, pricing, and lead-time information

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

Photometrics

Satine Lens

Test # ITL91423
Catalog # EV2D-A-840VHO-4
Lumens 3984 lm
Watts 36.2 w
Efficacy 110 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1393	1393	1393	1393	1393
5	1388	1387	1388	1390	1390
10	1372	1370	1375	1375	1373
15	1343	1339	1347	1345	1343
20	1302	1295	1302	1301	1298
25	1250	1241	1250	1247	1243
30	1187	1178	1186	1183	1178
35	1114	1105	1112	1105	1102
40	1032	1024	1028	1021	1018
45	942	935	937	930	927
50	846	838	838	832	828
55	739	730	731	723	722
60	627	621	618	612	610
65	508	505	499	494	491
70	387	383	377	375	374
75	264	263	258	255	256
80	148	146	146	145	144
85	52	53	54	55	54
90	0	0	0	0	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	19508	19404	19197
55	18867	18663	18433
65	17602	17290	17013
75	14937	14597	14484
85	8737	9073	9073

For all available IES files, please visit our website at pinnacle-ltg.com. Photometry testing in accordance to IESNA-LM-79-08 at an NVLAP or IAS accredited testing laboratory. Testing conducted at 25°C ambient conditions

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

Designed in Denver, CO • USA | pinnacle-ltg.com | O: 303-322-5570 F: 303-322-5568

EV2D_LED_SPEC_SEPTEMBER2025



Applications & Certificates

Construction: Formed cold-rolled 20 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.

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 = 65,900 hours. MacAdam 3-Step Ellipses. For all available IES files, please visit our website at 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 81°F/27°C. For more driver options, see Pinnacle Resource Guide. Some EDGE configurations will not accommodate all driver options.

Circuiting: Select from single circuit (1), Multi circuit - For multiple circuiting and zone control, requires factory shop drawing (M), Emergency circuit (E), Life Safety (L) or Night Light circuit (N). For emergency circuiting situations that require no through wire or circuit separation, Life Safety Circuit should be selected. This will provide a separate power feed and only the Life Safety Circuit in that section. Some EDGE configurations will not accommodate all circuiting options; consult with factory.

Battery & Emergency: Select battery or emergency options if required. If battery or emergency option is not required, enter 0. Battery duration is 90 minutes as standard. Test button location dependant on configuration, consult factory. For more Battery options, see Pinnacle Resource Guide.

Finish: Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes or for additional custom color and finish options.

Controls: 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: UL and cUL 2108 or 1598 listed depending on product configuration. Standard, HO and VHO lumen packages are IC Rated, approved for dry/damp location unless otherwise noted.

Sustainability All 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 15lbs per 4' fixture.

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