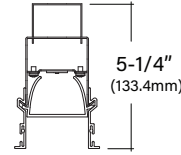


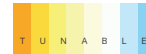
EDGE EV2D

2" Recessed Linear



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
- Maximum fixture weight is 15lbs per 4ft fixture
- Room-Side Maintenance for LED system
- Buy American Act compliant
- 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 |
|-----------|--------|-------------------|----------|---------|--------|------------|---------------------|--------|-----------------|----------|

| SHIELDING | SOURCE ^{QS, 1, 2} | LENGTH OR PATTERN ³ | MOUNTING |
|---|---|---|---|
| A - Satine Lens ^{QS} AL - Drop Lens HE - High Efficiency Lens ^{QS} HED - Descent Lens BW - Batwing ^{QS} WHE - Asymmetric ^{QS} 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 ^{QS} --- - Continuous Row ^{QS} L_x - L Shape ^{QS} R_x - Rectangle ^{QS} S - Square ^{QS} U_x - U Shape ^{QS} T_x - T Shape X_x_x - X Shape WC_x - Wall to Ceiling ^{QS} MOD - Mod options available <i>Length and Pattern pg. 3</i> | G1 - 1" (15/16") T Bar ^{QS} G9 - 9/16" T Bar ^{QS} GB - 9/16" Bevel T Bar GS - Screw Slot T Bar ^{QS} FL - 1/2" Flange ^{QS} NF - Non Flange ^{QS} SF - Spackle Flange ^{QS} MOD - Mod options available <i>Mounting pg. 4</i> |

| VOLTAGE ⁴ | DRIVER | CIRCUITING ⁵ | BATTERY & EMERGENCY ⁶ |
|--|--|--|---|
| U - Universal ^{QS} (120 thru 277V) 1 - 120V ^{QS} 2 - 277V ^{QS} 3 - 347V <i>Voltage pg. 4</i> | FSD - Factory Select Driver (1%, 0-10v) ^{QS} PL2 - Advance Xitanium (1%, 0-10v) OL2 - eldoLED Optotronic (1%, 0-10v) OL4 - eldoLED Optotronic 347v (1%, 0-10v) EE1 - eldoLED ECODErive (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 ^{QS} M - Multi Circuit E - Emergency ^{QS} (entire fixture) N - Night Light ^{QS} (entire fixture) <i>Circuiting pg. 5</i> | 0 - None ^{QS} FSB - Factory Select Battery ^{QS} 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 | CONTROLS ⁸ |
|---|--|---|
| W - White ^{QS} S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 6</i> | QS - Quick Ship ^{QS} CP - Chicago Plenum ^{QS} FIL - Field Cut Illuminated Extension ^{QS} RC - Rotating Crossbar GLR - Internal Fast Blow Fuse ^{QS} MOD - Mod options available DSP - Customer Supplied Battery/Driver/Sensor FW6 - 6' Flex Whip <i>Fixture Options pg. 6</i> | DLMFC - Wattstopper DLM (wired) DLMFS - Wattstopper LLC (wireless) EASYS - Philips EasySense (wireless) SNLSM - Encelium Sensilum (wireless) WVLX - Eaton Wavelinx (wireless) VDO - Lutron Vive Sensor (wireless) VRF - Lutron Vive Connected (wireless) ENL - Enlighted (wireless) 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 2P. 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. ⁸Controls 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

| A | AL | HE | BW | WHE | HED | H | R |
|-------------|----------------------------------|-----------------|---------|------------|---------|----------------|--------------|
| Satine Lens | Drop Lens (foot lengths only) | High Efficiency | Batwing | Asymmetric | Descent | Arched Regress | Flat Regress |
| | | | | | | | |

These options use 5-1/4" Housing

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 | | 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 LPW | Watts/ft | Arched Regress LPW | Watts/ft | Regress 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 | N/A | 99.0 | 5.0 | 95.1 | 5.3 | 96.4 | 5.2 | N/A | N/A | N/A |
| TWHO | | 750 | 77.6 | 9.7 | | 95.2 | 7.9 | 92.2 | 8.1 | 92.3 | 8.1 | | | |
| TWVHO | | 1000 | N/A | | | N/A | | N/A | | N/A | | | | |

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EV2D_LED_SPEC_JUNE2025



Length

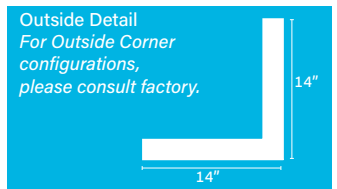
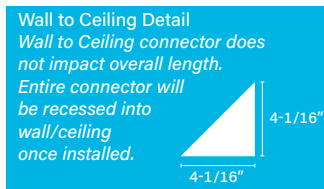
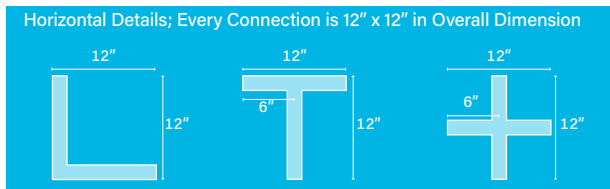
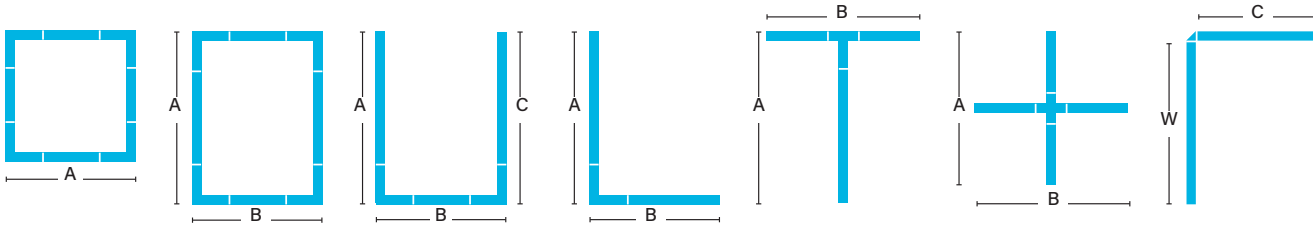
- All individual units cannot be joined, end trims are factory installed and cannot be removed
- Refer to Pattern section for specification and ordering options
- Continuous Rows are made up of even and odd length fixtures; designed to fall on on-grid

| 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

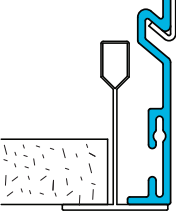
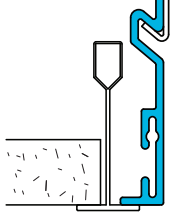
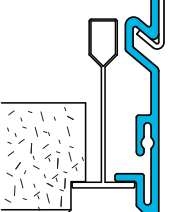
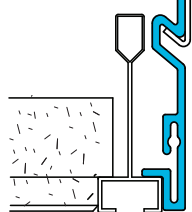
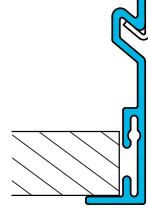
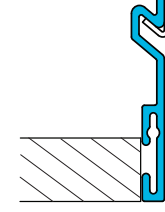
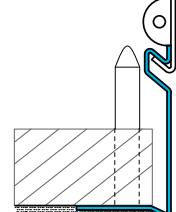
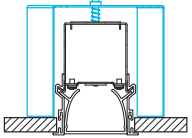
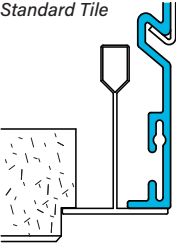
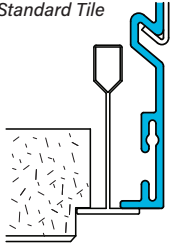
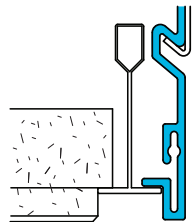
- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

| 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 |
|------------|---|

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 |
|----------|---|



Battery

- Select battery section type if required, indicate total QTY. *Example 2P*
- 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 |

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 9/16" T-Bar | | | | | | FIL Field Cut |
| BW | | GS Screw Slot | | | | | | Extensions |
| WHE | | FL 1/2" Flange NF Flangeless SF Spackle Flange | | | | | | GLR Fast Blow Fuse |

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

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 |
|------------|---------------|

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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EV2D_LED_SPEC_JUNE2025



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 | Encelium Sensillum | 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 |
| ENLI | Enlighted | SU-5E-IOT, CU-4E | Enlighted, Daylight/PIR Occupancy | Wireless | Any 0-10v | Not available with 347 volt |
| ENLC | Enlighted | SU-5E-CL, CU-4E | Enlighted, Daylight/PIR Occupancy | Wireless | Any 0-10v | Not available with 347 volt |

Controls: MOD Options

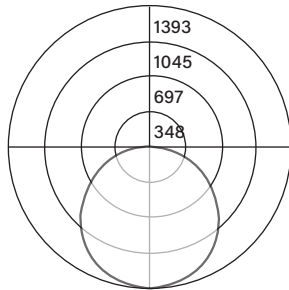
- Specify **MOD** in the part number for any of the below options
- Control** Options may require specific driver. Refer to the chart below
- Consult factory for **MOD** specification details, pricing, and lead-time information

| MOD | Required Driver |
|--------------------------------------|-----------------|
| Acuity nLight Air Wireless Connected | EE6, ES6 |

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



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. Maximum fixture weight is 15lbs per 4' fixture.

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. Lifetime Projection L70 = 146,500 hours and L90 = 45,000 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. 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.

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.

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.

Buy American Act Compliant

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