# PINNACLE
## ARCHITECTURAL LIGHTING®

Project Name _____

Date _____ Type _____

# EDGE EV4D
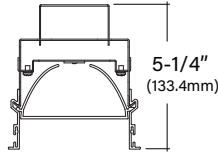## 4" Recessed Linear

4" (101.6mm)

4" (101.6mm)

See Mounting Section

5-1/4" (133.4mm)

## 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
- 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
- Indigo-Clean available, see Indigo-Clean specification sheets for details

*Example Part #: EV4D-HE-830HO-26'-G1-U-OL2-1-0-W*

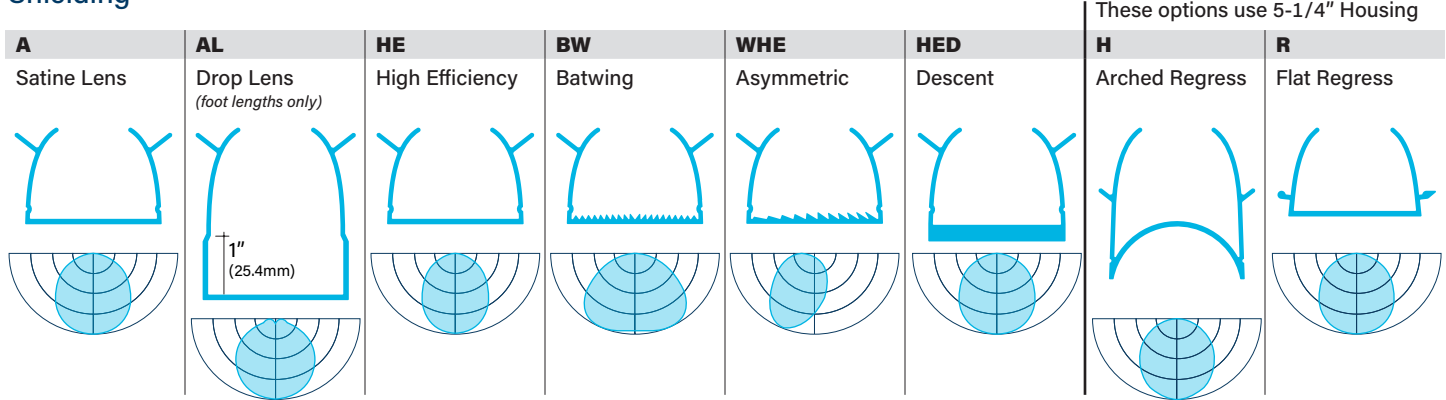| EV4D - | ___ - | ___ - | ___ - | ___ - | ___ - | ___ - | ___ - | ___ - | ___ - | ___ |
|---|---|---|---|---|---|---|---|---|---|---|
| | SHIELDING | SOURCE | LENGTH OR PATTERN | MOUNTING | VOLTAGE | DRIVER | CIRCUITING | BATTERY & EMERGENCY | FINISH | FIXTURE OPTIONS | CONTROLS |

__ __ | _____ | _____ | _____

### SHIELDING

**A** - Satine Lens *QS*
**HE** - High Efficiency Lens *QS*
**HED** - Descent Lens
**BW** - Batwing *QS*
**WHE** - Asymmetric *QS*
**AL** - Drop Lens
**H** - Arched Regress Lens
**R** - Regress Lens
*Shielding pg. 2*

### SOURCE *QS*[1]

**_27_ _** - 2700K
**_30_ _** - 3000K
**_35_ _** - 3500K *(available as BIOS)*
**_40_ _** - 4000K *(available as BIOS)*
**TW3** - Tunable White *(Blanco 3)*
**CL_ _ _ _ _ _** - Custom Lumens
**CW_ _ _ _ _ _** - Custom Watts
**MOD** - Mod options available
*Lumen Output pg. 2-3*

### LENGTH OR PATTERN[2]

**_ -** - 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
*Length and Pattern pg. 3-4*

### MOUNTING[3]

**G1(G)** - 1" *(15/16")* T Bar *QS*
**G9(G)** - 9/16" T Bar *QS*
**GB(G)** - 9/16" Bevel T Bar
**GS(G)** - Screw Slot T Bar *QS*
**FL(F)** - 1/2" Flange *QS*
**NF(N)** - Non Flange *QS*
**SF(S)** - Spackle Flange *QS*
**MOD** - Mod options available
*Mounting pg. 5*

____ | _____ | _ | ___

### VOLTAGE

**U** - Universal *QS*
 *(120 thru 277V)*
**1** - 120V *QS*
**2** - 277V *QS*
**3** - 347V
*Voltage pg. 5*

### DRIVER

**FSD** - Factory Select Driver *(1%, 0-10v)* *QS*
**PL2** - Advance Xitanium *(1%, 0-10v)* *QS*
**OL4** - Osram 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
**OL2** - Osram *(1%, 0-10v)* *QS*
**MOD** - Mod options available
*Driver pg. 6*

### CIRCUITING

**1** - Single Circuit *QS*
**M** - Multi Circuit
**E** - Emergency *QS*
 *(entire fixture)*
**N** - Night Light *QS*
 *(entire fixture)*
*Circuiting pg. 6*

### BATTERY & EMERGENCY[4]

**0** - None *QS*
**_FSG** - Factory Select ALCR
**_FSB** - Factory Select Battery
**_GI** - Iota ETS DR
**_GB** - Bodine GTD
**_P** - Bodine 10W
**_IC** - Iota 10W *(CEC Listed)* *QS*
**_E** - Emergency Circuit Section
**_N** - Night Light Circuit Section
**_L** - Life Safety Circuit Section
*Battery and Emergency pg. 6-7*

___ | __ | ____

### FINISH

**W** - White *QS*
**S** - Metallic Silver
**BL** - Textured Black
**BR** - Bronze
**GR** - Graphite
**CC** - Custom Color
*Finish pg. 7*

### FIXTURE OPTIONS[5]

**QS** - Quick Ship *QS*
**CP** - Chicago Plenum *QS*
**FIL** - Field Cut Illuminated Extension
**RC** - Rotating Crossbar
**GLR** - Internal Fast Blow Fuse *QS*
**DSP** - Customer Supplied Battery/Driver/Sensor
**MOD** - Mod options available
**FW6** - 6' Flex Whip
*Fixture Options pg. 7*

### CONTROLS[6]

**DLMFC** - Wattstopper DLM *(wired)*
**DLMFS** - Wattstopper LLLC *(wireless)*
**EASYS** - Philips EasySense *(wireless)*
**SNSLM** - Encelium Sensilum *(wireless)*
**WVLX** - Eaton Wavelinx *(wireless)*
**VDO** - Lutron Vive Sensor *(wireless)*
**VRF** - Lutron Vive Connected *(wireless)*
**ENL_** - Enlighted *(wireless)*
**MOD** - Mod options available
*Controls pg. 8*

1. When specifying SOURCE the first _ is for specifying either 8 - 80CRI or 9 - 90CRI. The ending _ _ are for specifying output, example HO - High Output. If specifying QS output is 80 CRI, all color temperatures, all lumen packages. Does not include Tunable White. See output charts for more information. 2. 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'. 3. 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. 4. Enter quantity for Battery and Emergency, Example 2P. 5. QS must be used in fixture options section of part number to qualify. LMRA option only available with 120v 6Controls 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

These options use 5-1/4" Housing



| A | AL | HE | BW | WHE | HED | H | R |
|---|----|----|----|-----|-----|---|---|
| Satine Lens | Drop Lens *(foot lengths only)* 1" (25.4mm) | High Efficiency | Batwing | Asymmetric | Descent | Arched Regress | Flat Regress |

## Source: White LED[1]

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory
- 90 CRI = R9≥50
- LPW and watts/ft based off 47" fixture size.

### Custom Output - Lumens OR Wattage

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

### 80 CRI

| | Color | Lumens per foot | A Satine LPW | A Satine Watts/ft | AL Drop LPW | AL Drop Watts/ft | HE High Efficiency LPW | HE High Efficiency Watts/ft | BW Batwing LPW | BW Batwing Watts/ft | WHE Asymmetric LPW | WHE Asymmetric Watts/ft | HED Descent LPW | HED Descent Watts/ft | H Arched Regress LPW | H Arched Regress Watts/ft | R Regress LPW | R Regress Watts/ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 830 | 3000K | 500 | 114 | 4.4 | 103 | 4.9 | 126 | 4.0 | 122 | 4.1 | 123 | 4.1 | 113 | 4.4 | 97 | 5.2 | 103 | 4.9 |
| 830HO | 3000K | 750 | 114 | 6.6 | 105 | 7.2 | 130 | 5.8 | 127 | 5.9 | 127 | 5.9 | 113 | 6.7 | 98 | 7.6 | 103 | 7.3 |
| 830VHO | 3000K | 1000 | 117 | 8.5 | 106 | 9.4 | 131 | 7.6 | 130 | 7.7 | 130 | 7.7 | 116 | 8.6 | 98 | 10.2 | 104 | 9.6 |
| 835 | 3500K | 500 | 118 | 4.3 | 106 | 4.7 | 130 | 3.9 | 126 | 4.0 | 127 | 4.0 | 117 | 4.3 | 100 | 5.0 | 104 | 4.8 |
| 835HO | 3500K | 750 | 117 | 6.4 | 108 | 6.9 | 134 | 5.6 | 131 | 5.7 | 131 | 5.7 | 116 | 6.4 | 100 | 7.5 | 106 | 7.1 |
| 835VHO | 3500K | 1000 | 120 | 8.3 | 108 | 9.2 | 136 | 7.4 | 132 | 7.6 | 132 | 7.6 | 119 | 8.4 | 101 | 9.9 | 107 | 9.4 |
| 840 | 4000K | 500 | 118 | 4.3 | 106 | 4.7 | 130 | 3.9 | 126 | 4.0 | 127 | 4.0 | 117 | 4.3 | 100 | 5.0 | 104 | 4.8 |
| 840HO | 4000K | 750 | 117 | 6.4 | 108 | 6.9 | 134 | 5.6 | 131 | 5.7 | 131 | 5.7 | 116 | 6.4 | 100 | 7.5 | 106 | 7.1 |
| 840VHO | 4000K | 1000 | 120 | 8.3 | 108 | 9.2 | 136 | 7.4 | 132 | 7.6 | 132 | 7.6 | 119 | 8.4 | 101 | 9.9 | 107 | 9.4 |

### 90 CRI

| | Color | Lumens per foot | A Satine LPW | A Satine Watts/ft | AL Drop LPW | AL Drop Watts/ft | HE High Efficiency LPW | HE High Efficiency Watts/ft | BW Batwing LPW | BW Batwing Watts/ft | WHE Asymmetric LPW | WHE Asymmetric Watts/ft | HED Descent LPW | HED Descent Watts/ft | H Arched Regress LPW | H Arched Regress Watts/ft | R Regress LPW | R Regress Watts/ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 927 | 2700K | 500 | 94 | 5.3 | 84 | 5.9 | 106 | 4.7 | 103 | 4.9 | 103 | 4.8 | 94 | 5.3 | 78 | 6.4 | 83 | 6.0 |
| 927HO | 2700K | 750 | 96 | 7.8 | 86 | 8.7 | 108 | 6.9 | 105 | 7.1 | 105 | 7.1 | 95 | 7.9 | 80 | 9.4 | 85 | 8.8 |
| 927VHO | 2700K | 1000 | 95 | 10.5 | 85 | 11.8 | 108 | 9.2 | 107 | 9.4 | 107 | 9.4 | 95 | 10.6 | N/A | | N/A | |
| 930 | 3000K | 500 | 103 | 4.9 | 93 | 5.4 | 115 | 4.3 | 112 | 4.4 | 113 | 4.4 | 102 | 4.9 | 85 | 5.9 | 91 | 5.5 |
| 930HO | 3000K | 750 | 103 | 7.3 | 94 | 8.0 | 115 | 6.5 | 112 | 6.7 | 112 | 6.7 | 102 | 7.3 | 87 | 8.6 | 92 | 8.1 |
| 930VHO | 3000K | 1000 | 104 | 9.6 | 94 | 10.7 | 118 | 8.5 | 115 | 8.7 | 116 | 8.7 | 104 | 9.7 | 85 | 11.7 | 92 | 10.9 |
| 935 | 3500K | 500 | 103 | 4.9 | 92 | 5.4 | 115 | 4.3 | 112 | 4.4 | 112 | 4.5 | 102 | 4.9 | 85 | 5.9 | 90 | 5.5 |
| 935HO | 3500K | 750 | 102 | 7.3 | 94 | 8.0 | 115 | 6.5 | 111 | 6.7 | 112 | 6.7 | 102 | 7.4 | 87 | 8.6 | 92 | 8.1 |
| 935VHO | 3500K | 1000 | 104 | 9.6 | 93 | 10.7 | 118 | 8.5 | 115 | 8.7 | 115 | 8.7 | 103 | 9.7 | 85 | 11.8 | 92 | 10.9 |
| 940 | 4000K | 500 | 103 | 4.9 | 92 | 5.4 | 115 | 4.3 | 112 | 4.4 | 112 | 4.5 | 102 | 4.9 | 85 | 5.9 | 90 | 5.5 |
| 940HO | 4000K | 750 | 102 | 7.3 | 94 | 8.0 | 115 | 6.5 | 111 | 6.7 | 112 | 6.7 | 102 | 7.4 | 87 | 8.6 | 92 | 8.1 |
| 940VHO | 4000K | 1000 | 104 | 9.6 | 93 | 10.7 | 118 | 8.5 | 115 | 8.7 | 115 | 8.7 | 103 | 9.7 | 85 | 11.8 | 92 | 10.9 |

[1]LPW and watts/ft based off 47" fixture size.

## Source: BIOS[1]

- 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

| CLB _ _ _ _ | Specify CRI, CCT and desired lumens (i.e. CL835500) | Specify lumens between standard offering listed below. Lumens are specified per color temp |
|---|---|---|
| CWB _ _ _ _ | Specify CRI, CCT and desired wattage (i.e. CW9407) | Specify watts between standard offering listed below |

## BIOS

| | Color | Lumens per foot | Shielding[1] A Satine | | HE High Efficiency | | BW Batwing | |
|---|---|---|---|---|---|---|---|---|
| | | | LPW | Watts/ft | LPW | Watts/ft | LPW | Watts/ft |
| B35 | 3500K | 500 | 70.1 | 7.1 | 81 | 6.2 | 79 | 6.3 |
| B35HO | 3500K | 750 | 69.3 | 10.8 | 82 | 9.2 | 79 | 9.5 |
| B35VHO | 3500K | 1000 | N/A | | 79 | 12.7 | N/A | |
| B40 | 4000K | 500 | 72.0 | 6.9 | 83 | 6.0 | 81 | 6.2 |
| B40HO | 4000K | 750 | 71.3 | 10.5 | 84 | 8.9 | 82 | 9.2 |
| B40VHO | 4000K | 1000 | N/A | | 81 | 12.3 | N/A | |

## Source: Blanco3[1]

- CRI >90, R9 >92
- 3 Channel tunable white for precise black body curve CCT
- Allows for high color consistency between fixtures

- Self-commissioning with Wattstopper DLM integrated controls
- Requires Control Ordering Code **B3LM** (pg. 6)
- Requires Drive Ordering Code **EC2** (pg. 4)

## Blanco 3 Tunable White (TW3)

| | Range | Shielding[1] A Satine | | | HE High Efficiency | | | BW Batwing | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Lumens/ft | LPW | Watts/ft | Lumens/ft | LPW | Watts/ft | Lumens/ft | LPW | Watts/ft |
| TW3 | 2700-6500K | 653 | 77 | 8.5 | 743 | 87 | 8.5 | 724 | 85 | 8.5 |

## Direct Source: MOD Options

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

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

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

[1]LPW and watts/ft based off 47" fixture size.

## 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
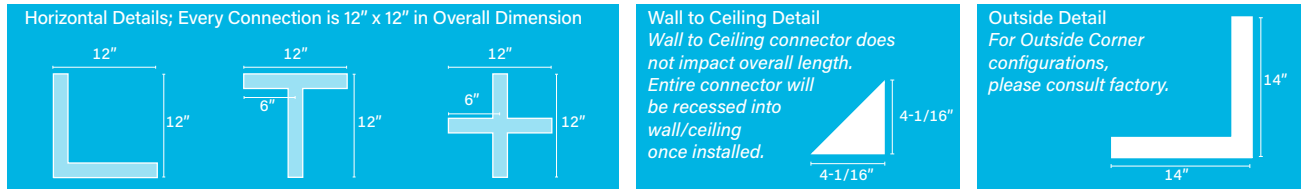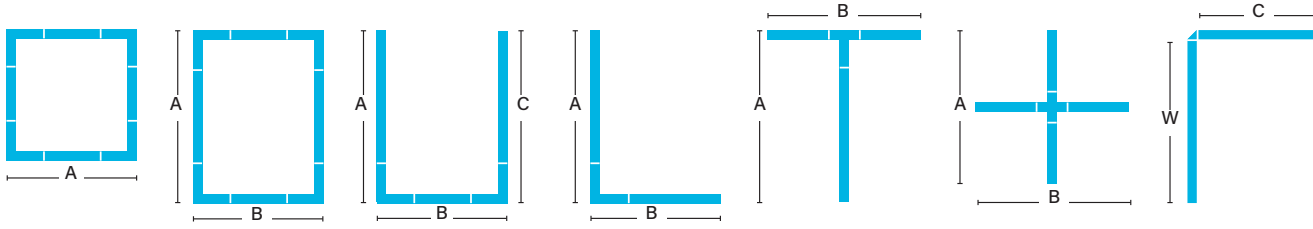- BIOS and Blanco3 are only available in foot lengths

| 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 to the 1/8"

*Specify nominal overall row length to the 1/8" not avaiable with H or R shielding options*

## Pattern

- Specify pattern shape and overall dimensions (includes corner dimensions)
- 90 degree horizontal corners are 12"x12" (overall, outside dimension)
- Angles and shapes not shown require Mod Pattern; consult factory

- Only available with A or HE Lenses
- Not all drivers available with all patterns; consult factory

| S_ | R_x_ | U_x_x_ | L_x_ | T_x_ | X_x_ | WC_x_ | M |
|---|---|---|---|---|---|---|---|
| Square | Rectangle | U-Shape | L-Shape | T-Shape | X-Shape | Wall to Ceiling | ModLayout |
| *Provide A dimension* | *Provide AxB dimensions* | *Provide AxBxC dimensions* | *Provide AxB dimensions* | *Provide AxB dimensions* | *Provide AxB dimensions* | *Provide WxC dimensions* | *For patterns or lengths not shown or standard* |
| *Example:* **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"* | *Minumum Length- 1'11"x1'11"* | |





Horizontal Details; Every Connection is 12" x 12" in Overall Dimension

Wall to Ceiling Detail
*Wall to Ceiling connector does not impact overall length. Entire connector will be recessed into wall/ceiling once installed.*
4-1/16"
4-1/16"

Outside Detail
*For Outside Corner configurations, please consult factory.*
14"
14"

## Length or Pattern: MOD Options
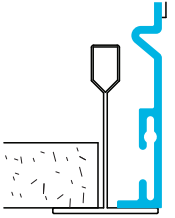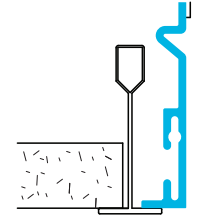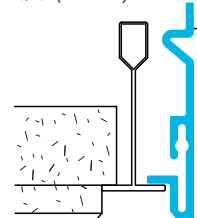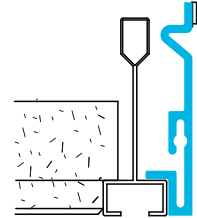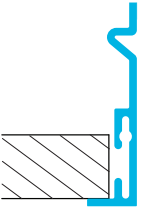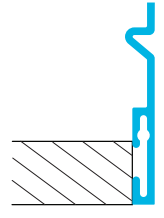
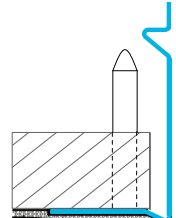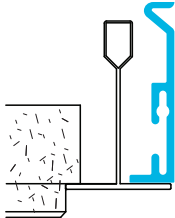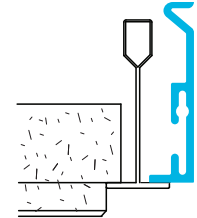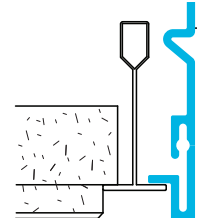- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

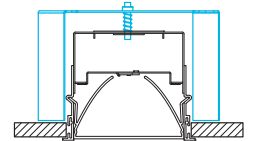| MOD | Specify MOD for patterns, lengths or angles not shown above |
|---|---|
| | 45- 180 degree angles |
| | Single-piece welded housings up to 4' x 4 |

**PINNACLE**
ARCHITECTURAL LIGHTING®

## Mounting

- Individual Units, specify G_G, FLF, SFS, NFN
- Continuous Units, specify G_, FL, SF, NF
- Individual units cannot be joined, end trims are factory installed and cannot be removed
- Designed to install into acoustical grid and inaccessible ceilings

- Grid retention brackets integral to housing and require mechanical attachment
- Each housing contains 4 grid retention brackets
- Tie off fixture to structure with retention wires
- Approved for dry/damp location unless otherwise noted

| **G1G** *Individual Unit* | **G9G** | **GBG** | **GSG** | **FLF** | **NFN** | **SFS** |
|---|---|---|---|---|---|---|
| **G1** *Continuous Run or Pattern* | **G9** | **GB** | **GS** | **FL** | **NF** | **SF** |
| 1" (15/16") T-Bar *Flange to Flange: 4-13/16" (122.2mm)* | 9/16" T-Bar *For tegular tile installations, fixture position will not be flush to the bottom of the tile Flange to Flange: 4-13/16" (122.2mm)* | 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: 4-13/16" (122.2mm)* | 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: 4-13/16" (122.2mm)* | Exposed Standard 1/2" Flange Detail *Flange to Flange: 5-1/8" (130.2mm)* | Metal Pan or Millwork *Flange to Flange: 4-7/16" (112.7mm)* | Drywall, Flangeless Detail *Flange to Flange: 6" (152.4mm)* |
| *Standard Tile* | *Standard Tile* | *Tegular Tile* | *Tegular Tile* | | | |
| *Tegular Tile* | *Tegular Tile* | | *Tegular Tile* | | | |

**RC**

Optional Rotating Crossbar

## 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 EV4D configurations will not accommodate all voltage options; consult with factory

| **U** | Universal |
|---|---|
| **1** | 120 volt |
| **2** | 277 volt |
| **3** | 347 volt |

*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

EV4D_LED_SPEC_JAN2023                                                                 pg. 5

## 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 EV4D configurations will not accommodate all driver options; consult with factory

| 0-10V Drivers | |
|---|---|
| FSD | Factory Select Driver 1%, 0-10v |
| PL2 | Signify Advance Xitanium 1%, 0-10v |
| PL4 | Advance Xitanium 347v 1%, 0-10v, requires 347v |
| OL2 | Osram Optotronic, 1%, 0-10v |
| OL4 | Osram 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 0-10v, 0.1% Logarithmic |
| ES2 | eldoLED SOLOdrive 0-10v, 0% Linear |
| OL5 | Osram Optotronic 1%, 0-10v, AUX |
| PL5 | Advance Xitanium 1%, 0-10v, AUX |
| **DALI Drivers** | |
| EE3 | eldoLED ECOdrive .1%, DALI (logarithmic) |
| ES3 | eldoLED SOLOdrive .1%, DALI (logarithmic) |
| OD1 | Osram Optotronic 1%, DEXAL |
| OD2 | Osram Optotronic 1%, DALI 2 Channel |
| **Lutron Drivers** | |
| LH1 | Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1 |
| LH4 | Lutron Hi-Lume 1%, 2-wire, Lutron-LTEA2W, 120v only |
| **Alternate Drivers** | |
| PS1 | Signify Advance Xitanium Step Dimming 50%/100% |
| PR1 | Philips Advance Xitanium SR, requires EASYS, VDO or VRF |
| OD1 | Osram Optotronic 1%, DEXAL |
| EH1 | ELV 120v only, 0-10v universal |
| EC2 | Constant Voltage LED driver, 120v or 277v required |

## 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

**1**
- Select fixture circuiting from options below
- Some EV4D configurations will not accommodate all circuiting options, consult with factory

## Circuiting

| 1 | Single Circuit |
|---|---|
| M | Multi Circuit *(Not available with controls)* |
| E | Emergency Circuit only *(uses nIO EZ PH ER with NLIGHT)* |
| N | 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 EV4D 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 2P*
- 90 minute battery runtime; test button location dependant on configuration, consult factory
- 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 (Self Testing) |
| _IC | Iota 10w Integral |
| _ILL | Iota 10w Integral Lithium, Self Testing |
| _IRH | Iota 20w Remote |
| _P | Bodine 10w Integral |
| _PLL | Bodine 10w Integral Lithium, Self Testing |
| _PRH | Bodine 20w Remote |

**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

| _FSG | Factory Select Automatic Load Control Relay (ALCR), UNV |
|---|---|
| _GI | Emergency Transfer Switch (ETS) DR Emergency Control Device, UNV |
| _GB | Bodine GTD, Generator Transfer Device, 120v or 277v |
| _E | Emergency circuit section *(NLIGHT ONLY full housing not sections)* |
| _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:  1-1P
- 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

| 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

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

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

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## 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; comissioning 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

| | Solution | Components | Network/Sensor | Connection | Required Drivers | Limitations |
|---|----------|-----------|----------------|------------|------------------|-------------|
| DLMFC | Legrand Wattstopper DLM | LMFC-011 | Digital Lighting Management (DLM) | Wired, two RJ45 ports | OL2, OL4 | Not available with Battery |
| 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 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 |
| 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: Tunable White

- Pinnacle Lighting offers easy to specify tunable white solutions for integrated building control solutions or standalone controls
- Pinnacle Lighting fixtures ship technology ready; comissioning by others

- Controls can only be used with Single Circuit (**1**) or Emergency Circuit (**E**)
- Contact factory for any non-standard configurations for layout or placement

| | Solution | Components | Network/Sensor | Connection | Required-Drivers | Required LED | Required Controls | Limitations |
|---|----------|-----------|----------------|------------|------------------|--------------|-------------------|-------------|
| B3LM | Legrand Wattstopper Blanco 3 | BLM3-DLM | Digital Lighting Management (DLM) | Wired, two RJ45 ports | EC2 | TW3 | B3LM | 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 | Acuity nLight Air Wireless Connected | Required Driver |
|-----|--------------------------------------|-----------------|
| | | EE6, ES6 |

## Photometrics

### Satine Lens

| | |
|---|---|
| Test # | ITL91432 |
| Catalog # | EV2D-A-840VHO-4 |
| Lumens | 4020 lm |
| Watts | 34.7 w |
| Efficacy | 116 LPW |

Polar candela plot labeled: 1402, 1052, 701, 351
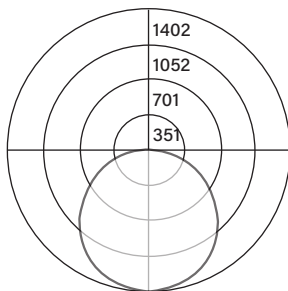
### Candela Distribution

| Vert Angle | \ Horizontal Angle | | | | |
|------------|---|------|----|------|----|
| | 0 | 22.5 | 45 | 67.5 | 90 |
| 0 | 1400 | 1400 | 1400 | 1400 | 1400 |
| 5 | 1393 | 1395 | 1397 | 1398 | 1399 |
| 10 | 1379 | 1382 | 1382 | 1379 | 1381 |
| 15 | 1348 | 1344 | 1350 | 1350 | 1348 |
| 20 | 1306 | 1298 | 1306 | 1307 | 1304 |
| 25 | 1253 | 1245 | 1253 | 1254 | 1247 |
| 30 | 1191 | 1178 | 1185 | 1184 | 1183 |
| 35 | 1112 | 1104 | 1112 | 1108 | 1105 |
| 40 | 1030 | 1023 | 1029 | 1027 | 1024 |
| 45 | 940 | 932 | 935 | 932 | 930 |
| 50 | 839 | 834 | 836 | 833 | 830 |
| 55 | 734 | 730 | 730 | 729 | 727 |
| 60 | 624 | 618 | 619 | 618 | 615 |
| 65 | 507 | 504 | 503 | 501 | 503 |
| 70 | 388 | 386 | 387 | 388 | 387 |
| 75 | 269 | 268 | 271 | 273 | 274 |
| 80 | 156 | 160 | 164 | 166 | 168 |
| 85 | 65 | 66 | 70 | 73 | 73 |
| 90 | 0 | 0 | 0 | 0 | 0 |

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

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

*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.*

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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.

**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.

**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. 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.

**Tunable White LED:** Blanco 3; 3 Channel tunable white for precise black body curve CCT. Self-commissioning with Wattstopper DLM integrated controls. Custom lumen output and color temperature configurations require use of controls.

**Voltage:** Universal (U), 120 volt (1), 277 volt (2) and 347 volt (3) options available. Must specify OL4 in Driver section when 347 volt (3) is selected. Some EDGE configurations will not accommodate all voltage options; consult with factory.

**Driver:** Standard Driver Option is Advance Xitanium 0-10V, 1% = PL2. Electronic driver, Power factor is >0.9 with a THD <20%. Driver Lifetime: 50,000 hours at 25°C ambient operating conditions. Ambient operating range: -20°F/-30°C to 81.3°F/27.4°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:** DLM utlizes wired network connections for digital control through switching and dimming. nLight Air rES7 sensor provides wireless control, daylight harvesting and occupancy detection with PIR using eldoLED LED drivers. nLight Air rES7 sensor provides wireless control, daylight harvesting and occupancy detection with 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. Enlighted Smart Sensor provides multi-functionality including daylight harvesting and PIR occupancy; for IOT platform using 0-10v LED drivers. Enlighted Smart Sensor provides multi-functionality including daylight harvesting and PIR occupancy; for Connected platform using 0-10v LED drivers.

**Labels:** ETL listed conforming to UL1598 and CSA 250. 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.

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