# PINNACLE
## ARCHITECTURAL LIGHTING®

Project Name _____

Date _____  Type _____



# EDGE EV2D
## 2" Recessed Linear

4" (101.6mm)

2-1/4" (57.2mm)

See Mounting Section

5-1/4" (133.4mm)
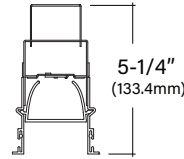
## Key Features

- 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

5 YEAR LED WARRANTY · ETL LISTED US · IC RATED · QUICKSHIP · SMART · LED · Made in AMERICA

*Example Part #: EV2D-HE-830HO-26'-G1-U-OL1-1-0-W*

## EV2D - __ - __ - __ - __ - __ - __ - __ - __ - __ - __

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

| SHIELDING | SOURCE QS [1] | LENGTH OR PATTERN [2] | MOUNTING [3] |
|---|---|---|---|
| **A** - Satine Lens QS | **_27_ _** - 2700K | **_ _ -** Individual Fixture QS | **G1(G) -** 1" (15/16") T Bar QS |
| **AL** - Drop Lens | **_30_ _** - 3000K | **_ _ -** Continuous Row QS | **G9(G) -** 9/16" T Bar QS |
| **HE** - High Efficiency Lens QS | **_35_ _** - 3500K (available as BIOS) | **L _ x _ -** L Shape QS | **GB(G) -** 9/16" Bevel T Bar |
| **HED** - Descent Lens | **_40_ _** - 4000K (available as BIOS) | **R _ x _ -** Rectangle QS | **GS(G) -** Screw Slot T Bar QS |
| **BW** - Batwing QS | **TW3** - Tunable White (Blanco 3) | **S _ -** Square QS | **FL(F) -** 1/2" Flange QS |
| **WHE** - Asymmetric QS | **CL_ _ _ _ _ _ -** Custom Lumens | **U _ x _ -** U Shape QS | **NF(N) -** Non Flange QS |
| **H** - Arched Regress Lens | **CW_ _ _ _ _ _ -** Custom Watts | **T _ x _ -** T Shape | **SF(S) -** Spackle Flange QS |
| **R** - Regress Lens | *Lumen Output pg. 2-3* | **X _ x _ x _ -** X Shape | *Mounting pg. 4* |
| *Shielding pg. 2* | | **WC _ x _ -** Wall to Ceiling QS | |
| | | **M -** Mod Layout | |
| | | *Length and Pattern pg. 3* | |

| VOLTAGE | DRIVER | CIRCUITING | BATTERY & EMERGENCY [4] |
|---|---|---|---|
| **U -** Universal QS | **PL2 -** Advance Xitanium (1%, 0-10v) QS | **1 -** Single Circuit QS | **0 -** None QS |
| *(120 thru 277V)* | **OL4 -** Osram 347v (1%, 0-10v) | **M -** Multi Circuit | **_P -** Bodine 10W |
| **1 -** 120V QS | **EE1 -** eldoLED ECOdrive (1%, 0-10v) | **E -** Emergency QS | **_IC -** Iota 10W QS |
| **2 -** 277V QS | **ES1 -** eldoLED SOLOdrive (0%, 0-10v) | *(entire fixture)* | **_E -** Emergency Circuit Section |
| **3 -** 347V | **LH1 -** Lutron Hi-lume (1%, EcoSystem) QS | **N -** Night Light QS | **_N -** Night Light Circuit Section |
| *Voltage pg. 4* | **L51 -** Lutron 5-Series (5%, EcoSystem) | *(entire fixture)* | **_L -** Life Safety Circuit Section |
| | **PR1 -** Advance Xitanium SR | *Circuiting pg. 5* | **_G -** Bodine GTD |
| | **OL2 -** Osram (1%, 0-10v) QS | | *Battery and Emergency pg. 5* |
| | **ND -** Non-Dimming QS | | |
| | *Driver pg. 4* | | |

| FINISH | FIXTURE OPTIONS [5] | CONTROLS [6] |
|---|---|---|
| **W -** White QS | **QS -** Quick Ship QS | **DLMFC -** Wattstopper DLM (wired) |
| **S -** Metallic Silver | **CP -** Chicago Plenum QS | **DLMFS -** Wattstopper LLLC (wireless) |
| **BL -** Textured Black | **PM -** Perimeter Mount | **EASYS -** Philips EasySense (wireless) |
| **BR -** Bronze | **RC -** Rotating Crossbar | **SNSLM -** Osram Sensilum (wireless) |
| **GR -** Graphite | **GLR -** Internal Fast Blow Fuse QS | **WVLX -** Eaton Wavelinx (wireless) |
| **CC -** Custom Color | *Fixture Options pg. 5* | **VDO -** Lutron Vive Sensor (wireless) |
| *Finish pg. 5* | | **VRF -** Lutron Vive Connected (wireless) |
| | | **ENL_ -** Enlighted (wireless) |
| | | *Controls pg. 6* |

[1]When specifying SOURCE the first _ is for specifying either **8** - 80CRI, **9** - 90CRI or **B** - BIOS. The ending _ _ are for specifying output, example **HO** - High Output. When specifying BIOS use **B** and then specify color temperature, either 3500K or 4000K, and output, example **B35HO** - BIOS 3500K High Output. See output charts for more information. BIOS dynamic available, please contact factory for more information. [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. [6]Controls can only be used with Single Circuit (**1**) or Emergency Circuit (**E**). See Controls chart on page 6 for 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.*

# EDGE EV2D Recessed Linear

## Shielding

| A | AL | HE | BW | WHE | HED | These options use 5-1/4" Housing |||
|---|---|---|---|---|---|---|---|---|
| | | | | | | **H** | **R** ||
| Satine Lens | Drop Lens *(foot lengths only)* | High Efficiency | Batwing | Asymmetric | Descent | Arched Regress *(foot lengths only)* | Flat Regress *(foot lengths only)* ||

1" (25.4mm)
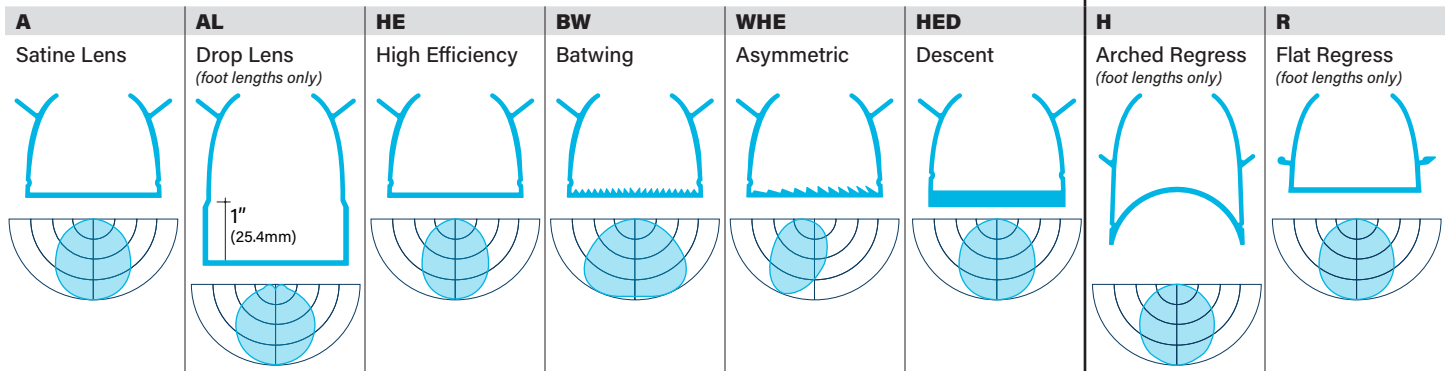
## Source: White LED[1]

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory

- 80 CRI = R9≥19 and 90 CRI = R9≥61

### 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 |||| 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 | 101.6 | 4.9 ||| 104 | 4.8 ||| 120 | 4.2 ||| 117 | 4.3 ||| 117 | 4.3 ||| 100.5 | 5.0 ||| 81 | 6.2 | 96 | 5.2 |
| 830HO | 3000K | 750 | 102.5 | 7.3 ||| 104 | 7.2 ||| 121 | 6.2 ||| 118 | 6.4 ||| 118 | 6.4 ||| 101.4 | 7.4 ||| N/A || N/A ||
| 830VHO | 3000K | 1000 | N/A |||| N/A |||| 121 | 8.3 ||| 118 | 8.4 ||| 118 | 8.5 ||| N/A |||| N/A || N/A ||
| 835 | 3500K | 500 | 104.4 | 4.8 ||| 106 | 4.7 ||| 123 | 4.1 ||| 120 | 4.2 ||| 120 | 4.2 ||| 103.3 | 4.8 ||| 83 | 6.0 | 97 | 5.1 |
| 835HO | 3500K | 750 | 104.8 | 7.2 ||| 107 | 7.0 ||| 124 | 6.1 ||| 121 | 6.2 ||| 121 | 6.2 ||| 103.6 | 7.2 ||| N/A || N/A ||
| 835VHO | 3500K | 1000 | N/A |||| N/A |||| 124 | 8.1 ||| 121 | 8.2 ||| 121 | 8.3 ||| N/A |||| N/A || N/A ||
| 840 | 4000K | 500 | 104.9 | 4.8 ||| 108 | 4.6 ||| 124 | 4.0 ||| 122 | 4.1 ||| 122 | 4.1 ||| 104.5 | 4.8 ||| 84 | 5.9 | 99 | 5.1 |
| 840HO | 4000K | 750 | 106.1 | 7.1 ||| 109 | 6.9 ||| 125 | 6.0 ||| 123 | 6.1 ||| 122 | 6.1 ||| 104.9 | 7.1 ||| N/A || N/A ||
| 840VHO | 4000K | 1000 | N/A |||| N/A |||| 126 | 8.0 ||| 123 | 8.1 ||| 123 | 8.2 ||| N/A |||| N/A || N/A ||

### 90 CRI

| | Color | Lumens per foot | 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 |
| 927 | 2700K | 500 | 84.1 | 5.9 | 86 | 5.8 | 101 | 4.9 | 99 | 5.0 | 99 | 5.1 | 84.2 | 5.9 | 69 | 7.3 | 79 | 6.3 |
| 927HO | 2700K | 750 | 85.3 | 8.8 | 87 | 8.6 | 102 | 7.3 | 100 | 7.5 | 100 | 7.5 | 84.3 | 8.9 | N/A || N/A ||
| 930 | 3000K | 500 | 87.0 | 5.7 | 89 | 5.6 | 105 | 4.8 | 103 | 4.9 | 102 | 4.9 | 86.1 | 5.8 | 71 | 7.1 | 82 | 6.1 |
| 930HO | 3000K | 750 | 87.9 | 8.5 | 90 | 8.3 | 105 | 7.1 | 103 | 7.3 | 103 | 7.3 | 87.0 | 8.6 | N/A || N/A ||
| 935 | 3500K | 500 | 89.0 | 5.6 | 91 | 5.5 | 106 | 4.7 | 105 | 4.8 | 104 | 4.8 | 88.0 | 5.7 | 72 | 6.9 | 84 | 5.9 |
| 935HO | 3500K | 750 | 89.9 | 8.3 | 92 | 8.2 | 108 | 7.0 | 105 | 7.1 | 105 | 7.1 | 88.9 | 8.4 | N/A || N/A ||
| 940 | 4000K | 500 | 88.3 | 5.7 | 90 | 5.5 | 105 | 4.7 | 104 | 4.8 | 104 | 4.8 | 87.3 | 5.7 | 72 | 7.0 | 83 | 6.0 |
| 940HO | 4000K | 750 | 89.2 | 8.4 | 91 | 8.2 | 107 | 7.0 | 104 | 7.2 | 104 | 7.2 | 88.2 | 8.5 | N/A || N/A ||

## 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 | A Satine || HE High Efficiency || BW Batwing ||
|---|---|---|---|---|---|---|---|---|
| | | | LPW | Watts/ft | LPW | Watts/ft | LPW | Watts/ft |
| B35 | 3500K | 500 | 63.4 | 7.9 | 77 | 6.5 | 75 | 6.7 |
| B35HO | 3500K | 750 | 62.0 | 12.1 | 77 | 9.7 | 75 | 10.0 |
| B40 | 4000K | 500 | 63.4 | 7.9 | 77 | 6.5 | 75 | 6.7 |
| B40HO | 4000K | 750 | 62.0 | 12.1 | 77 | 9.7 | 75 | 10.0 |

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

## 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 | 647 | 77 | 8.5 | 769 | 91 | 8.5 | 676 | 80 | 8.5 |

[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
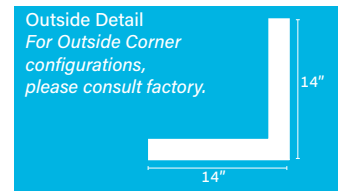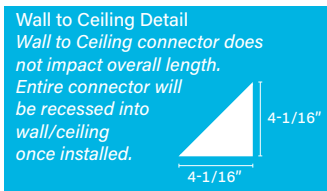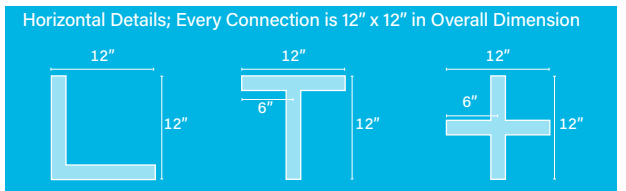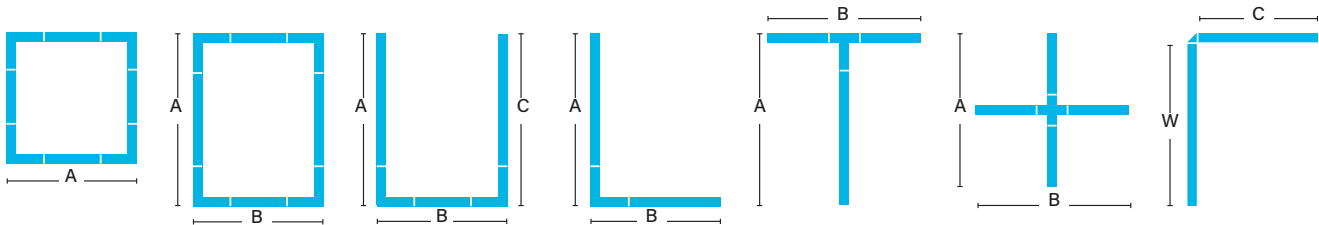- BIOS and Blanco3 are only available in foot lengths

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | _ |
|---|---|---|---|---|---|---|---|
| Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Cont. Run *Specify nominal overall row length to the 1/8" not available with H or R shielding options.* |

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



12" (304.8mm)    12" (304.8mm)
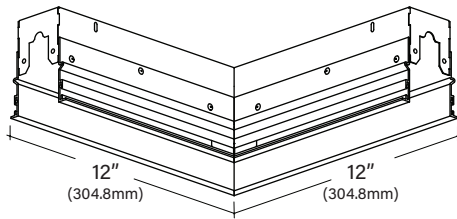
- Specify pattern shape and overall dimensions (includes corner dimensions)
- 90 degree horizontal corners are 12"x12" (overall, outside dimension)
- Angles and shapes not shown require Mod Pattern; consult factory
- Only available with A or HE Lenses
- Not all drivers available with all patterns; consult factory

| S_ Square | R_x_ Rectangle | U_x_x_ U-Shape | L_x_ L-Shape | T_x_ T-Shape | X_x_ X-Shape | WC_x_ Wall to Ceiling | M 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"* | *Minumim Length- 1'11"x1'11"* | |



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

12"    12"    12"
12"    6" / 12"    6" / 12"

**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"

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## Mounting

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

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

| G1G *Individual Unit* | G9G | GBG | GSG | FLF | NFN | SFS |
|---|---|---|---|---|---|---|
| G1 *Continuous Run or Pattern* | G9 | GB | GS | FL | NF | SF |
| 1" (15/16") T-Bar *Flange to Flange: 3-1/16" (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*

*Tegular Tile* | *Tegular Tile* | | *Tegular Tile*

**RC** Optional Rotating Crossbar

**PM** Optional Perimeter Mounting *Includes bracket and wall rail*

## Voltage

- Some EV2D configurations will not accommodate all voltage options; consult with factory

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

## Driver

- Standard Driver Option = PL2
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some EV2D configurations will not accommodate all driver options; consult with factory

| PL2 | Advance Xitanium 1%, 0-10v |
|---|---|
| OL4 | Osram Optotronic 347v, 1%, 0-10v (*requires 347v*) |
| OL5 | Osram Optotronic 1%, 0-10v, AUX |
| OD1 | Osram Optotronic 1%, DEXAL |
| EE1 | eldoLED ECOdrive 1%, 0-10v Logarithmic |
| EE6 | eldoLED ECOdrive 1%, for nLight Air Wireless |
| ES1 | eldoLED SOLOdrive 0%, 0-10v Logarithmic |
| ES6 | eldoLED SOLOdrive 0%, for nLight Air Wireless |
| LH1 | Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1 |
| L51 | Lutron 5-Series 5%, EcoSystem, LDE5 |
| PR1 | Advance Xitanium SR, *requires EASY, VDO, or VRF* |
| EC2 | Constant Voltage LED driver, *120v or 277v required* |
| OL2 | Osram Optotronic 1%, 0-10v, nominal 1% dimming range |
| ND | Non-Dimming |

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

EV2D_LED_SPEC_JUNE2021
pg. 4

## How to Specify Circuiting, Battery and Emergency

**1**
- Select fixture circuiting from options below
- Some EV2D 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 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 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

**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

| 0 | No battery |
|---|---|
| _P | Bodine 10w Integral |
| _IC | Iota 10w Integral (*CEC Listed*) |

### Emergency

- Select emergency section type if required, indicate total QTY. *Example 1E*
- Combine battery and emergency section ordering codes if both options are selected

| _E | Emergency circuit section *(NLIGHT ONLY full housing not sections)* |
|---|---|
| _N | Night Light circuit section |
| _L | Life Safety circuit section NO THROUGH WIRE |
| _G | Bodine GTD, Generator Transfer Device section |

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

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

## Finish

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

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

## Fixture Options

- Additional options to enhance the fixture and finish of the product

| QS | Quick Ship |
|---|---|
| CP | Chicago Plenum |
| PM | Perimeter Mount *(not available in 2' or 3')* |
| RC | Rotating Crossbar |
| GLR | Internal Fast Blow Fuse |

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## Fixture Options Continued
### 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<br>*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 Universal (120-277)<br>1 120V<br>2 277V | PL2 Advance Xitanium 1%, 0-10v<br>LH1 Lutron LDE1<br>OL2 Osram 0-10v, 1%<br>ND Non- Dimming | 1 Single Circuit<br>E<br>N Emergency Night Light | 0 None<br>_IC Iota 10w Integral | W White |

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

## Controls

- Pinnacle Lighting offers easy to specify network control solutions that connect to an intelligent centralized system to maximize lighting energy efficiencies or integral sensors for individual fixture control
- Pinnacle Lighting fixtures ship technology ready; 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/sensor per run typical, contact factory for more information

| | Solution | Components | Network/Sensor | Connection | RQD Drivers | Limitation |
|---|---|---|---|---|---|---|
| **DLMFC** | Legrand Wattstopper DLM | LMFC-011 | Digital Lighting Management (DLM) | Wired, two RJ45 ports | Any 0-10v | 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-200 | Daylight/PIR Occupancy | Wireless to switches | PR1 | Not available with 347 volt |
| **SNSLM** | Osram 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 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 | RQD Drivers | RQD LED | RQD 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 |

## Photometrics

### Satine Lens

| | |
|---|---|
| Test # | ITL91423 |
| Catalog # | EV2D-A-840VHO-4 |
| Lumens | 3984 lm |
| Watts | 36.2 w |
| Efficacy | 110 LPW |
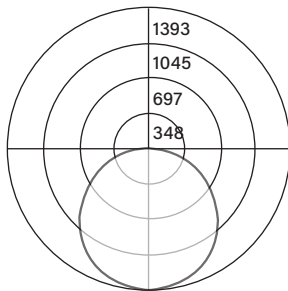
1393
1045
697
348

### 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℃ 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.

## 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. All luminaire configurations tested in accordance with IES LM-79. Diodes tested in accordance with IES LM-80. Lifetime calculated using IES TM-21. Minimum lifetime greater than 60,000 hours. Lifetime Projection L70 = 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. 80 CRI = R9≥19 and 90 CRI = R9≥61.

**BIOS LED:** Spectrum focused lighting for circadian stimulus. EML or M/P ratio: .8 for 3500K, .9 for 4000K. COI >3.0. Not all lumen packages available. Two lumen packages available. Standard, and High (HO). Custom outputs are available. Specify custom lumens or watts between standard offering listed on CRI, CCT & Output page.

**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 77.4°F/25.2°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 abd 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.

*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

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