# PINNACLE
## ARCHITECTURAL LIGHTING®

4" (101.6mm)

5-5/8" (142.8mm)

4-1/2" (114.3mm)

# EDGE EX4I
## 4" Suspended Indirect Linear

## Key Features

- 6063-T6 Extruded aluminum housing
- Highly reflective = white painted reflector
- Room side maintance for LED system
- 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 weight is 20 lbs. for a standard 4' fixture
- Buy American Act compliant
- Run lengths Available to an 1/8"
- Indigo-Clean available, see Indigo-Clean specification sheets for details

*Example Part #: EX4I-N-HE-830HO-26'-AC48G1-U-OL2-1-0-W*

| EX4I | - N | - | - | - | - | - | - | - | - | - | - |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | DIRECT SHIELDING | INDIRECT SHIELDING | CRI, CCT & SOURCE | LENGTH | MOUNTING | VOLTAGE | DRIVER | CIRCUITING | BATTERY & EMERGENCY | FINISH | FIXTURE OPTIONS |

**N**  **_ _**  **_ _ _ _ _ _**  **_ _ _ _**

### DIRECT SHIELDING
**N** - None
*Shielding pg. 2*

### INDIRECT SHIELDING
**HE** - High Efficiency *QS*
**BW** - Batwing *QS*
**WHE** - Asymmetric *QS*
**HEA** - Ascent
*Shielding pg. 2*

### SOURCE *QS* [1]
**_27_ _** - 2700K
**_30_ _** - 3000K
**_35_ _** - 3500K
**_40_ _** - 4000K
**TW3** - Tunable White *(Blanco 3)*
**CL_ _ _ _ _ _** - Custom Lumens
**CW_ _ _ _ _ _** - Custom Watts
*Lumen Output pg. 2-3*

### LENGTH [2]
**_ _** - Individual Fixture *QS*
**_ _** - Continuous Row *QS*
*Length pg. 3*

**_ _ _ _ _ _**  **_**  **_ _ _**  **_**

### MOUNTING [3]
**_AC_ _G_ -** (M) AC to Grid *QS*
**_AC_ _JB -** (M) AC to J Box *QS*
**_AC_ _ST -** (M) AC to Structure *QS*
**AC5_ _G_ -** 5" Non-Power Canopy
**AC5_ _JB -** 5" Non-Power Canopy
**SQ_ _G_ -** 5" Square Canopy
**SQ_ _JB -** 5" Square Canopy
**WA -** Wall Mount *QS*
*Mounting pg. 3*

### VOLTAGE
**U** - Universal *(120 thru 277V)* *QS*
**1** - 120V *QS*
**2** - 277V *QS*
**3** - 347V
*Voltage pg. 4*

### 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%, 0-10v)*
**LH1 -** Lutron Hi-lume *(1%, EcoSystem)* *QS*
**PR1 -** Advace Xitanium SR
**OL2 -** Osram *(1%, 0-10v)* *QS*
*Driver pg. 4*

### CIRCUITING
**1 -** Single Circuit *QS*
**M -** Multi Circuit
**E -** Emergency *(entire fixture)* *QS*
**N -** Night Light *(entire fixture)* *QS*
*Circuiting pg. 5*

**_ _ _**  **_ _**  **_ _ _ _**

### BATTERY & EMERGENCY [4]
**0 -** None *QS*
**_FSG -** Factory Select ALCR
**_GI -** Iota ETS DR
**_GB -** Bodine GTD
**_P -** Bodine 10W Integral
**_IC -** Iota 10W Integral *QS*
**_E -** Emergency Section
**_N -** Night Light Section
**_L -** Life Safety Section
*Battery and Emergency pg. 5*

### FINISH
**W -** White *QS*
**S -** Metallic Silver *QS*
**BL -** Textured Black *QS*
**BR -** Bronze
**GR -** Graphite
**CC -** Custom Color
*Finish pg. 5*

### FIXTURE OPTIONS [5]
**QS -** Quick Ship *QS*
*Fixture Options pg. 6*

### 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)*
*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 [3] Specify AC Cable: Standard single AC = AC or Movable AC = MAC; Specify AC length standard AC is 48"; Specify grid: G1=15/16", G9=9/16", GS=Screw Slot. Example: AC48G1. MAC option not available with HEA - Ascent Indirect shielding option. [4] Enter quantity for Battery and Emergency, Example 2PL. [5] QS must be used in fixture options section of part number to qualify. 1/8" increments not available for QS. [6] Controls can only be used with Single Circuit (**1**) or Emergency Circuit (**E**). See Controls chart on page 5 for driver options and more information.

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

## Direct Shielding

| N |
|---|
| None |

## Indirect Shielding

| HE | BW | WHE | HEA |
|----|----|-----|-----|
| High Efficiency | Batwing *Over Optic* | Asymmetric *Over Optic* | Ascent *Not available with MAC mounting* |

## 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 | Shielding[1] HE High Efficiency LPW | Watts/ft | BW Batwing LPW | Watts/ft | WHE Asymmetric LPW | Watts/ft | HEA Ascent LPW | Watts/ft |
|---|-------|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| 830 | 3000K | 500 | 140 | 3.6 | 131 | 3.8 | 119 | 4.2 | 125 | 4.0 |
| 830HO | 3000K | 750 | 146 | 5.1 | 135 | 5.5 | 119 | 6.3 | 125 | 6.0 |
| 830VHO | 3000K | 1000 | 147 | 6.8 | 137 | 7.3 | 122 | 8.2 | 128 | 7.8 |
| 835 | 3500K | 500 | 145 | 3.4 | 135 | 3.7 | 123 | 4.1 | 125 | 4.0 |
| 835HO | 3500K | 750 | 151 | 5.0 | 141 | 5.3 | 122 | 6.1 | 129 | 5.8 |
| 835VHO | 3500K | 1000 | 148 | 6.8 | 141 | 7.1 | 126 | 8.0 | 133 | 7.5 |
| 840 | 4000K | 500 | 145 | 3.4 | 135 | 3.7 | 123 | 4.1 | 125 | 4.0 |
| 840HO | 4000K | 750 | 151 | 5.0 | 141 | 5.3 | 122 | 6.1 | 129 | 5.8 |
| 840VHO | 4000K | 1000 | 148 | 6.8 | 141 | 7.1 | 126 | 8.0 | 133 | 7.5 |

### 90 CRI

| | Color | Lumens per foot | HE LPW | Watts/ft | BW LPW | Watts/ft | WHE LPW | Watts/ft | HEA LPW | Watts/ft |
|---|-------|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| 927 | 2700K | 500 | 118 | 4.2 | 110 | 4.5 | 99 | 5.1 | 102 | 4.9 |
| 927HO | 2700K | 750 | 118 | 6.4 | 110 | 6.8 | 98 | 7.6 | 104 | 7.2 |
| 927VHO | 2700K | 1000 | 121 | 8.3 | 113 | 8.9 | 100 | 10.0 | 105 | 9.5 |
| 930 | 3000K | 500 | 124 | 4.0 | 120 | 4.2 | 105 | 4.7 | 111 | 4.5 |
| 930HO | 3000K | 750 | 129 | 5.8 | 120 | 6.3 | 107 | 7.0 | 111 | 6.8 |
| 930VHO | 3000K | 1000 | 132 | 7.6 | 123 | 8.2 | 108 | 9.3 | 114 | 8.8 |
| 935 | 3500K | 500 | 124 | 4.0 | 120 | 4.2 | 105 | 4.8 | 111 | 4.5 |
| 935HO | 3500K | 750 | 128 | 5.8 | 119 | 6.3 | 107 | 7.0 | 110 | 6.8 |
| 935VHO | 3500K | 1000 | 132 | 7.6 | 122 | 8.2 | 107 | 9.3 | 113 | 8.8 |
| 940 | 4000K | 500 | 124 | 4.0 | 120 | 4.2 | 105 | 4.8 | 111 | 4.5 |
| 940HO | 4000K | 750 | 128 | 5.8 | 119 | 6.3 | 107 | 7.0 | 110 | 6.8 |
| 940VHO | 4000K | 1000 | 132 | 7.6 | 122 | 8.2 | 107 | 9.3 | 113 | 8.8 |

## 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] HE High Efficiency LPW | Watts/ft |
|---|-------|---------|-----|-----|
| B35 | 3500K | 500 | 85 | 5.9 |
| B35HO | 3500K | 750 | 84 | 8.9 |
| B35VHO | 3500K | 1000 | 83 | 12.1 |
| B40 | 4000K | 500 | 87 | 5.7 |
| B40HO | 4000K | 750 | 86 | 8.7 |
| B40VHO | 4000K | 1000 | 85 | 11.7 |

[1]LPW and watts/ft based off 48" fixture size.

## Source: Blanco [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] | | |
|---|---|---|---|---|
| | | **HE** High Efficiency | | |
| | | *Lumens/ft* | *LPW* | *Watts/ft* |
| **TW3** | 2700-6500K | 783 | 92 | 8.5 |

[1]Lumens/ft LPW and watts/ft based off 48" fixture at full output at 4000K.

## Length

- For Continuous Runs, add 3/16" (4.7mm) for each end plate or 3/8" (9.5mm) to the overall length of the row
- 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" Longer lead-time may apply for lengths to the 1/8". Consult factory.* |

24-3/8" (619.1mm)
36-3/8" (934.8mm)
48-3/8" (1228.7mm)
60-3/8" (1533.5mm)
72-3/8" (1838.3mm)
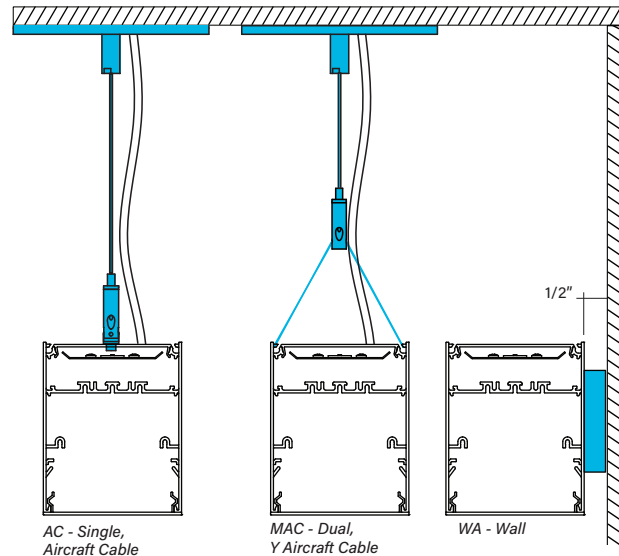84-3/8" (2143.1mm)
96-3/8" (2447.9mm)
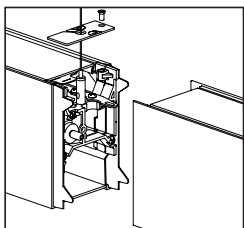Specify to the 1/8" ▸▸▸

## Mounting

- Specify cable length in ordering code (AC48G1)
- Standard adjustable cable. Specify 48", 120", 240" or 350"
- End plates and standard white power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- Maximum recommended movable mounting locations are 12" from end of 4' fixture and 18" from end of 8' fixture
- Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies

- Canopies and pendants match fixture finish, power cords are white, grey, or black depending on fixture finish. See Finish section for additional details.
- Approved for dry/damp location unless otherwise noted
- Refer to installation instructions during installation at the job site
- Maximum fixture weight is 20 lbs for a standard 4' fixture
- MAC options not available with HEA lens option
- For a wall mounted fixture with an indirect asymmetric lens, light will be directed away from the wall as a standard

| AC__G1 | Aircraft Cable 1" (15/16") T-Bar |
|---|---|
| AC__G9 | Aircraft Cable 9/16" T-Bar |
| AC__GS | Aircraft Cable Screw Slot T-Bar |
| AC__JB | Aircraft Cable Junction Box |
| AC__ST | Aircraft Cable Structure |
| AC5__G_ | Aircraft Cable 5" (127mm) Non-Power Canopy |
| AC5__JB | Aircraft Cable 5" (127mm) Non-Power Canopy |
| SQ__G_ | Aircraft Cable 5" (127mm) Square Canopy |
| SQ__JB | Aircraft Cable 5" (127mm) Square Canopy |
| MAC__G1 | Moveable AC 1" (15/16") T-Bar |
| MAC__G9 | Moveable AC 9/16" T-Bar |
| MAC__GS | Moveable AC Screw Slot T-Bar |
| MAC__JB | Moveable AC Junction Box |
| MAC__ST | Moveable AC Structure |
| MAC5__G_ | Moveable AC 5" (127mm) Non-Power Canopy |
| MAC5__JB | Moveable AC 5" (127mm) Non-Power Canopy |
| MSQ__G_ | Moveable AC 5" (127mm) Square Canopy |
| MSQ__JB | Moveable AC 5" (127mm) Square Canopy |
| WA | Wall Mount |



*AC - Single, Aircraft Cable*   *MAC - Dual, Y Aircraft Cable*   *WA - Wall*

1/2"

## Straight EDGE Joint System



- The Straight EDGE Joint comes standard for all runs.
- Two connection points – one to cinch fixtures together, the other to perfectly align all fixtures in a run.
- Factory-installed light shields on both sides of the fixture ensure no light leaks.
- Patented.

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EX4I_LED_SPEC_DEC2021

pg. 3

## Voltage

- Some EX2I 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 EX2I 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% Logarithmic |
| ES2 | eldoLED SOLOdrive 0-10v, 0% Linear |
| OL5 | Osram Optotronic 1%, 0-10v, AUX |
| **DALI Drivers** | |
| EE3 | eldoLED SOLOdrive .1%, DALI (logarithmic) |
| EE4 | eldoLED SOLOdrive .1%, DALI (linear) |
| 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 |
| EC1 | Constant Voltage LED driver, 120v or 277v required |

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EX4I_LED_SPEC_DEC2021      pg. 4

## How to Specify Circuiting, Battery and Emergency

**1**
- Select fixture circuiting from options below
- Some EX2I configurations will not accommodate all circuiting options, consult with factory

### Circuiting

| 1 | Single Circuit |
|---|---|
| M | Multi Circuit |
| E | Emergency Circuit only |
| 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 EX2I 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 2PL*
- 90 minute battery runtime; test button location dependant on configuration, consult factory
- No battery option available for 2' lengths
- Entire direct fixture housing is on battery for lengths up to 5'
- Half of direct fixture is on battery for 6' or 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

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

**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 ALCR, Automatic Load Control Relay |
|---|---|
| _GI | Iota ETS DR, Emergency Lighting Control Device |
| _GB | Bodine GTD, Emergency Lighting Control Device |
| _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:  1-1PL
- Emergency only, 10w Integral Battery        Ordering Code:  E-1PL
- Single circuit, GTD required           Ordering Code:  1-1G

**Combination Section Ordering Examples**
- Single circuit, (1) 10w battery, (1) emergency section      Ordering Code:  1-1PL1E
- Multi circuit, (2) 10w battery, (2) emergency sections    Ordering Code:  M-2PL2E
- 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 (*white cord/white canopy*) |
|---|---|
| S | Metallic Silver (*grey cord/silver canopy*) |
| BL | Textured Black (*black cord/black canopy*) |
| BR | Bronze (*white cord/bronze canopy*) |
| GR | Graphite (*white cord/graphite canopy*) |
| CC | Custom Color (*white cord/color match canopy*) |

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EX4I_LED_SPEC_DEC2021

pg. 5

## Fixture Options

- Additional options to enhance the fixture and finish of the product
- Specify CC-C to match housing. If not specified, canopy will be standard matte white

| QS | Quick Ship |
|---|---|

## Quick Ship

| Shielding | CRI, CCT & Output | Mounting | | Voltage | | Driver | | Circuiting | | Battery | | Finish | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **10-Day** | | | | | | | | | | | | | |
| HE<br>BW<br>WHE | 80 CRI, all color temperatures, all lumen packages<br>*See pg 2* | (M)AC48G_<br>(M)AC48JB<br>(M)AC48ST<br>WA | (M)AC to Grid<br>(M)AC to J_BOX<br>(M)AC to Stucture<br>Wall Mount | U<br><br>1<br>2 | Universal (120-277)<br>120V<br>277V | FSD<br><br>PL2<br><br>LH1<br>OL2 | Factory Select Driver *(1%, 0-10v)*<br>Advance Xitanium 0-10v, 1%<br>Lutron LDE1<br>Osram 0-10v, 1% | 1<br><br>E<br>N | Single Circuit<br>Emergency Night Light | 0<br>_IC | None<br>Iota 10w Integral | W<br>S<br>BL | White<br>Silver<br>Black |

All lengths and continuous rows up to 1,000 ft OR 150 individual fixtures. Black QuickShip only available in 4', 6', and 8' individual lengths. 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 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, OL1, OL2 | 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**)
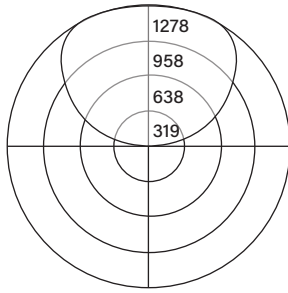- Contact factory for any non-standard configurations for layout or placement

| | Solution | Components | Network/Sensor | Connection | 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

### Open

| | |
|---|---|
| Test # | Scaled from ITL94462 |
| Catalog # | EX4I-HE-840VHO-4 |
| Lumens | 400 lm |
| Watts | 27 W |
| Efficacy | 148 LPW |

1278
958
638
319

### Candela Distribution

| Vert Angle | Horizontal Angle | | | | |
|---|---|---|---|---|---|
| | 0 | 22.5 | 45 | 67.5 | 90 |
| 90 | 4 | 57 | 61 | 44 | 39 |
| 95 | 47 | 121 | 153 | 120 | 105 |
| 100 | 106 | 184 | 245 | 213 | 194 |
| 105 | 175 | 252 | 341 | 338 | 324 |
| 110 | 254 | 335 | 428 | 458 | 460 |
| 115 | 352 | 428 | 522 | 561 | 575 |
| 120 | 458 | 533 | 620 | 663 | 675 |
| 125 | 579 | 642 | 727 | 763 | 778 |
| 130 | 695 | 757 | 835 | 869 | 880 |
| 135 | 807 | 861 | 946 | 976 | 986 |
| 140 | 904 | 955 | 1048 | 1084 | 1093 |
| 145 | 996 | 1029 | 1124 | 1171 | 1187 |
| 150 | 1072 | 1095 | 1171 | 1220 | 1236 |
| 155 | 1138 | 1149 | 1207 | 1243 | 1257 |
| 160 | 1189 | 1194 | 1234 | 1258 | 1266 |
| 165 | 1229 | 1230 | 1254 | 1268 | 1272 |
| 170 | 1255 | 1257 | 1267 | 1275 | 1276 |
| 175 | 1270 | 1271 | 1273 | 1275 | 1277 |
| 180 | 1275 | 1275 | 1275 | 1275 | 1275 |

*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.*

## Applications & Certificates

**Construction:** 6063-T6 Extruded aluminum housing. Highly reflective steel white painted reflector.

**Shielding:** Diffuse snap-in acrylic lens, removable for maintenance.

**Mounting:** Aircraft cable and wall mount available. Select from 2 aircraft cable options. Select the straight aircraft cable that mounts on 4'-0" (1219.2mm) and 8'-0" (2438.4mm) centers or the moveable adjustable Y-cable mount. The Y-Cable design allows for adjustable mounting locations. Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies. Refer to installation instructions for appropriate ceiling detail. Canopies are painted white unless otherwise specified. Maximum fixture weight is 20 lbs. for a standard 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. 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 122°F/50°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 20lbs 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.*

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