

EDGE EX3DWW

3" Suspended Direct Linear Wall Wash

Key Features

- 6063-T5 Extruded aluminum housing
- Extruded aluminum module with micro reflector for perfect wall washing illumination
- Wiring access available through bottom of housing
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed
- Approved for dry/damp location unless otherwise noted
- Buy American Act compliant



Example Part #: EX3D-WW-N-830HO-26'-AC48G1-U-FSD-1-0-W

EX3D - WW - N - **DIRECT SHIELDING** - **INDIRECT SHIELDING** - **CRI, CCT & OUTPUT** - **LENGTH OR PATTERN** - **MOUNTING** - **VOLTAGE** - **DRIVER** - **CIRCUITING** - **BATTERY & EMERGENCY** - **FINISH** - **FIXTURE OPTIONS**

| WW | N | | |
|--|---|---|--|
| DIRECT SHIELDING | INDIRECT SHIELDING | CRI, CCT & OUTPUT ¹ | LENGTH ² |
| WW - Wall Wash <i>Shielding pg. 2</i> | N - None <i>Shielding pg. 2</i> | 27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K CL - Custom Lumens CW - Custom Watts <i>Lumen Output pg. 2</i> | __ - Individual Fixture __ - Continuous Row <i>Length pg. 2</i> |
| MOUNTING ³ | VOLTAGE | DRIVER | CIRCUITING |
| AC_G - (M)AC to Grid AC_JB - (M)AC to J Box AC_ST - (M)AC to Structure AC5_G - 5" Non-Power Canopy AC5_JB - 5" Non-Power Canopy SQ_G - 5" Square Canopy SQ_JB - 5" Square Canopy S - Surface Mount <i>Mounting pg. 3</i> | U - Universal (120 thru 277V) 1 - 120V 2 - 277V 3 - 347V <i>Voltage pg. 3</i> | FSD - Factory Select Driver (1%, 0-10v) PL2 - Advance Xitanium (1%, 0-10v) PL4 - Advance Xitanium 347v (1%, 0-10v) EE1 - eldoLED ECoDrive (1%, 0-10v) ES1 - eldoLED SOLOdrive (0.1%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) PS1 - Advance Xitanium (50%/100%) OL2 - eldoLED Optotronic (1%, 0-10v) <i>Driver pg. 3</i> | 1 - Single Circuit M - Multi Circuit E - Emergency (<i>entire fixture</i>) N - Night Light (<i>entire fixture</i>) <i>Circuiting pg. 4</i> |
| BATTERY & EMERGENCY ⁴ | FINISH | FIXTURE OPTIONS | CONTROLS |
| 0 - None FSG - Factory Select ALCR FSB - Factory Select Battery GI - Iota ETS DR GB - Bodine GTD PLL - Bodine 10W ILL - Iota 10W Integral E - Emergency Section N - Night Light Section L - Life Safety Section <i>Battery and Emergency pg. 4</i> | W - White S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 4</i> | TC - Top Cover DSP - Customer Supplied Battery/Driver/ Sensor <i>Fixture Options pg. 5</i> | <i>Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.</i> |

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. 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. 4. Enter quantity for Battery and Emergency, Example 2P.

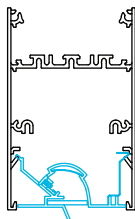
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Direct Shielding

WW

Wall Wash



Indirect Shielding

N

None

Output

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory.
- 90 CRI = R9≥50

Custom Output- Lumens OR Wattage

| | | |
|----|---|---|
| CL | Specify CRI, CCT and desired lumens (i.e. CL835400) | Max Lumens: 1074lm/ft. Max lumens dependent on color temp. Consult factory for more information |
| CW | Specify CRI, CCT and desired wattage (i.e. CW9407) | Max Watts: 14.8 watts/ft. Consult factory for more information. |

80 CRI

| | Color | Lumens per foot | Shielding WW Wall Wash LPW | Watts/ft |
|--------|-------|--------------------|-------------------------------------|----------|
| 830 | 3000K | 500 | 69 | 7.2 |
| 830HO | 3000K | 750 | 68 | 11.1 |
| 830VHO | 3000K | | N/A | |
| 835 | 3500K | 500 | 73 | 6.8 |
| 835HO | 3500K | 750 | 72 | 10.4 |
| 835VHO | 3500K | 1000 | 70 | 14.4 |
| 840 | 4000K | 500 | 76 | 6.5 |
| 840HO | 4000K | 750 | 75 | 10.0 |
| 840VHO | 4000K | 1000 | 73 | 13.8 |

90 CRI

| | | | | |
|--------|-------|-----|-----|------|
| 927 | 2700K | 500 | 57 | 8.8 |
| 927HO | 2700K | 750 | 55 | 13.7 |
| 927VHO | 2700K | | N/A | |
| 930 | 3000K | 500 | 62 | 8.0 |
| 930HO | 3000K | 750 | 61 | 12.3 |
| 930VHO | 3000K | | N/A | |
| 935 | 3500K | 500 | 65 | 7.7 |
| 935HO | 3500K | 750 | 64 | 11.8 |
| 935VHO | 3500K | | N/A | |
| 940 | 4000K | 500 | 63 | 8.0 |
| 940HO | 4000K | 750 | 61 | 12.3 |
| 940VHO | 4000K | | N/A | |

Length

- All individual units cannot be joined, end plates are factory installed and cannot be removed
- For Continuous Runs, add 1/2" (12.7mm) to the overall length of the row to account for end plates

| 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' |
| 24" (609.6mm) | | | | | | | |
| 36" (914.4mm) | | | | | | | |
| 48" (1219.2mm) | | | | | | | |
| 60" (1524mm) | | | | | | | |
| 72" (1828.8mm) | | | | | | | |
| 84" (2133.6mm) | | | | | | | |
| 96" (2438.4mm) | | | | | | | |
| Specify to the 1' >>> | | | | | | | |

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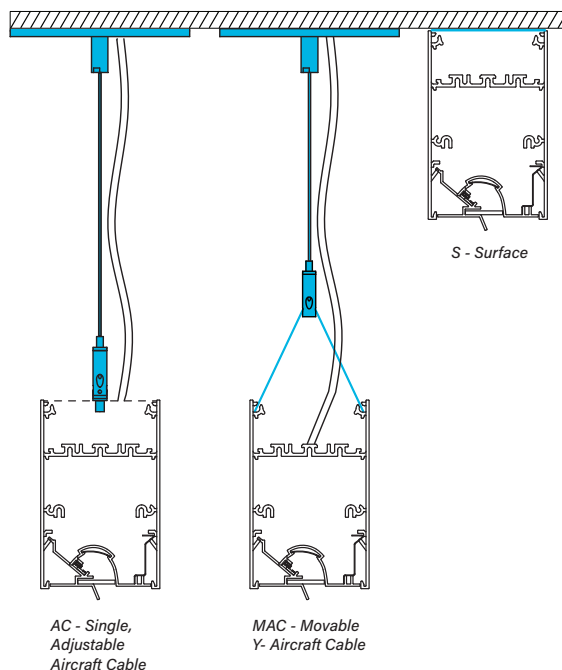


Mounting

- Specify cable length in ordering code (AC48G1)
- Standard 48" adjustable cable. Specify up to 350"
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- 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 10 lbs for a standard 4' fixture
- Designed to be 12"-18" away from wall for optimal performance

| | |
|----------------|--|
| 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 |
| S | Surface Mount |



Voltage

- Some EX3DWW 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 = FSD
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some EX3DWW 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 | eldoLED Optotronic, 1%, 0-10v |
| OL4 | eldoLED Optotronic 347v, 1% 0-10v, requires 347v option |
| EE1 | eldoLED ECOdrive 1%, 0-10v Logarithmic |
| EE2 | eldoLED ECOdrive 1%, 0-10v Linear |
| ES1 | eldoLED SOLOdrive 0-10v, 0.1% Logarithmic |
| ES2 | eldoLED SOLOdrive 0-10v, 0.1% Linear |
| DALI Drivers | |
| EE3 | eldoLED ECOdrive 1%, DALI (logarithmic) |
| ES3 | eldoLED SOLOdrive 0.1%, DALI (logarithmic) |
| OD1 | eldoLED Optotronic 1%, DEXAL |
| OD2 | eldoLED 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% |
| EH1 | ELV 120v only, 0-10v universal |

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How to specify Circuiting, Battery and Emergency

1

- Select fixture circuiting from options below
- Some EX3DWW 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 EX3DWW 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 is remote to fixture and requires an additional drop
- 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 |
| _FSB | Factory Select Battery (10w option) |
| _FSBST | Factory Select Battery (10w, Self Testing) |
| _IC | 10w Integral |
| _ILL | 10w Integral Lithium, Self Testing |
| _IRH | 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 |
| _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 (<i>white cord/white canopy</i>) |
| S | Metallic Silver (<i>grey cord/silver canopy</i>) |
| BL | Textured Black (<i>black cord/black canopy</i>) |
| BR | Bronze (<i>white cord/bronze canopy</i>) |
| GR | Graphite (<i>white cord/graphite canopy</i>) |
| CC | Custom Color (<i>white cord/color match canopy</i>) |

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Fixture Options

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

| | |
|-----|---|
| TC | Top Cover |
| DSP | Customer Supplied Battery/Driver/Sensor |

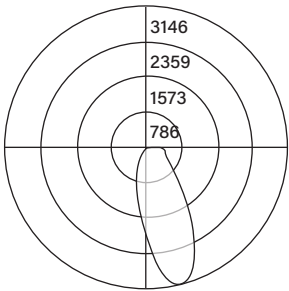
Controls

- Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.

Photometrics

Wall Wash

| | |
|-----------|------------------|
| Test # | KPL2015-7 |
| Catalog # | EX3D-WW-840VHO-4 |
| Lumens | 3799 lm |
| Watts | 51.7 W |
| Efficacy | 73.5 LPW |



Candela Distribution

| Vert Angle | Horizontal Angle | | | | |
|---------------|------------------|------|------|------|------|
| | 0 | 22.5 | 45 | 67.5 | 90 |
| 0 | 2101 | 2101 | 2101 | 2101 | 2101 |
| 5 | 2684 | 2617 | 2513 | 2345 | 2111 |
| 10 | 3085 | 3019 | 2845 | 2533 | 2083 |
| 15 | 3116 | 3086 | 2999 | 2658 | 2036 |
| 20 | 2757 | 2823 | 2935 | 2699 | 1972 |
| 25 | 2241 | 2353 | 2652 | 2640 | 1886 |
| 30 | 1787 | 1888 | 2249 | 2481 | 1773 |
| 35 | 1377 | 1484 | 1847 | 2237 | 1638 |
| 40 | 1050 | 1147 | 1472 | 1929 | 1471 |
| 45 | 815 | 882 | 1150 | 1584 | 1288 |
| 50 | 650 | 690 | 885 | 1255 | 1079 |
| 55 | 538 | 560 | 681 | 981 | 855 |
| 60 | 469 | 473 | 530 | 735 | 639 |
| 65 | 423 | 413 | 423 | 534 | 439 |
| 70 | 395 | 382 | 366 | 383 | 278 |
| 75 | 372 | 355 | 321 | 281 | 155 |
| 80 | 348 | 327 | 281 | 212 | 79 |
| 85 | 312 | 292 | 239 | 158 | 37 |
| 90 | 0 | 0 | 0 | 0 | 0 |

Luminance Data (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 38711 | 54665 | 61218 |
| 55 | 31528 | 39880 | 50105 |
| 65 | 33627 | 33599 | 34869 |
| 75 | 48292 | 41724 | 20148 |
| 85 | 120282 | 92100 | 14162 |

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: 6063-T5 Extruded aluminum housing.

Shielding: Extruded aluminum module with micro reflector for perfect wall wash illumination.

Mounting: Aircraft cable, wall and surface 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 movable adjustable Y-cable mount. The Y-Cable design allows for adjustable mounting locations. (See installation instructions for MR16 mounting detail). 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.

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 = 275,000 hours and L90 = 83,000 hours. MacAdam 3-Step Ellipses. For all available IES files, please visit our website at pinnacle-ltg.com.

CRI, CCT & Lumen Output: Not all lumen packages available. Three lumen packages available. Standard, High (HO) and Very High (VHO). Custom outputs are available. Specify custom lumens or watts between standard offering listed on CRI, CCT & Output page. 80 CRI is available for 3000K, 3500K, and 4000K. 90 CRI is available for 2700K, 3000K, 3500K and 4000K. 90 CRI = R9≥50.

Voltage: Universal (U), 120 volt (1), 277 volt (2) and 347 volt (3) options available. Must specify PL4 or OL4 in Driver section when 347 volt (3) is selected. Some EDGE configurations will not accommodate all voltage options; consult with factory.

Driver: Standard Driver Option is Factory Select Driver 0-10V, 1% = FSD. Electronic driver, Power factor is >0.9 with a THD <20%. Driver Lifetime: 50,000 hours at 25°C ambient operating conditions. Ambient operating range: -20°F/-30°C to 115°F/46°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 (M), Emergency circuit (E) 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 Evolution 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 is remote to fixture. 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.

Labels: UL and cUL Listed. All lumen packages are IC Rated, approved for dry/damp location unless otherwise noted.

Buy American Act Compliant

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