

EDGE EV3WW

3" Recessed Linear Wall Wash

Key Features

- Extruded aluminum trim with formed cold rolled 20 gauge steel back box housing
- Highly reflective, die-formed white, painted steel reflector
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed. IC rated
- Approved for dry/damp location unless otherwise noted
- Maximum fixture weight is 15lbs (per 4ft fixture)
- Room-Side Maintenance for LED system
- Designed to be mounted facing wall between 12"-18" from wall
- Buy American Act compliant



Example Part #: EV3WW-830HO-26'-G1-U-OL2-1-0-W

EV3WW

| | | | | | | | | |
|-------------------|--------|----------|---------|--------|------------|---------------------|--------|-----------------|
| CRI, CCT & OUTPUT | LENGTH | MOUNTING | VOLTAGE | DRIVER | CIRCUITING | BATTERY & EMERGENCY | FINISH | FIXTURE OPTIONS |
|-------------------|--------|----------|---------|--------|------------|---------------------|--------|-----------------|

| CRI, CCT & OUTPUT ^{QS.1} | LENGTH ² | MOUNTING ³ | VOLTAGE |
|---|---|--|--|
| _27_ - 2700K _30_ - 3000K _35_ - 3500K _40_ - 4000K CL - Custom Lumens CW - Custom Watts <i>Lumen Output pg. 2</i> Example: 830HO is 8 = 80 CRI; 30 = 3000K; HO = High Output; Blank = Standard Output | _ - Individual Fixture ^{QS.} _ - Continuous Row ^{QS.} <i>Length and Pattern pg. 2</i> | 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.} <i>Mounting pg. 3</i> | U - Universal ^{QS.} <i>(120 thru 277V)</i> 1 - 120V ^{QS.} 2 - 277V ^{QS.} 3 - 347V <i>Voltage pg. 3</i> |
| DRIVER | CIRCUITING | BATTERY & EMERGENCY ⁴ | FINISH |
| 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.} PS1 - Advance Xitanium (50%/100%) OL2 - Osram (1%, 0-10v) ^{QS.} <i>Driver pg. 3</i> | 1 - Single Circuit ^{QS.} M - Multi Circuit E - Emergency ^{QS.} <i>(entire fixture)</i> N - Night Light ^{QS.} <i>(entire fixture)</i> <i>Circuiting pg. 4</i> | 0 - None ^{QS.} _FSG - Factory Select ALCR _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 <i>Battery and Emergency pg. 4</i> | W - White ^{QS.} S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 4</i> |
| FIXTURE OPTIONS ⁵ | CONTROLS | | |
| QS - QuickShip ^{QS.} CP - Chicago Plenum ^{QS.} MRF - Fixed MR16 Halogen LMRF - Fixed MR16 LED RC - Rotating Crossbar LC - Clear Lens B - Baffle DSP - Customer Supplied Battery/Driver/ Sensor GLR - Internal Fast Blow Fuse ^{QS.} <i>Fixture Options pg. 5</i> | Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information. | | |

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. If specifying QS output is 80 CRI, all color temperatures, all lumen packages. Does not include BIOS or Tunable White. See output charts for more information. BIOS dynamic available, please contact factory 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.



CRI, CCT & Output

- 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. CL835700) | 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 | Output | Watts per foot | Shielding WW Wall Wash Lumens/ft | LPW |
|--------------|-------|----------|-------------------|---|------|
| 830 | 3000K | Standard | 6.0 | 329 | 54.6 |
| 830HO | 3000K | High | 10.3 | 511 | 49.7 |
| 835 | 3500K | Standard | 6.0 | 343 | 56.9 |
| 835HO | 3500K | High | 10.3 | 534 | 52.0 |
| 840 | 4000K | Standard | 6.0 | 352 | 58.4 |
| 840HO | 4000K | High | 10.3 | 548 | 53.3 |

90 CRI

| | | | | | |
|--------------|-------|----------|------|-----|------|
| 927 | 2700K | Standard | 6.0 | 270 | 44.8 |
| 927HO | 2700K | High | 10.3 | 420 | 40.9 |
| 930 | 3000K | Standard | 6.0 | 304 | 50.5 |
| 930HO | 3000K | High | 10.3 | 471 | 45.8 |
| 935 | 3500K | Standard | 6.0 | 309 | 51.3 |
| 935HO | 3500K | High | 10.3 | 481 | 46.8 |
| 940 | 4000K | Standard | 6.0 | 314 | 52.1 |
| 940HO | 4000K | High | 10.3 | 489 | 47.6 |

Length

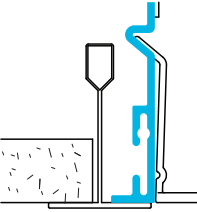
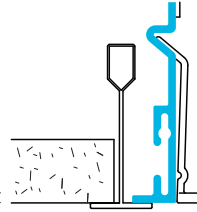
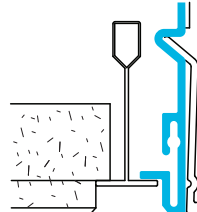
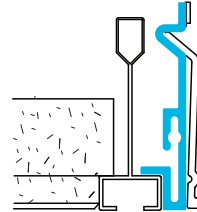
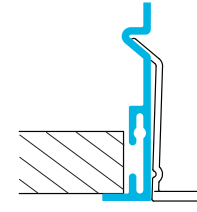
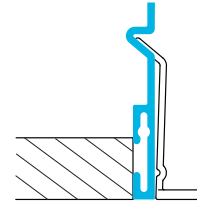
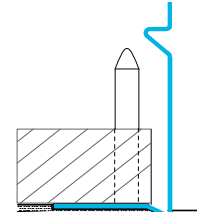
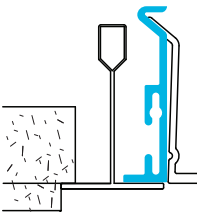
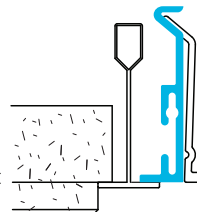
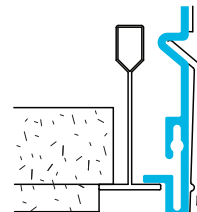
- Individual units cannot be joined, end trims are factory installed and cannot be removed
- Continuous Rows are made up of even and odd length fixtures; designed to fall on-grid

| 2 | 3 | 4 | 5 | 6 | 8 | — |
|----------------|----------------|----------------|----------------|----------------|----------------|---|
| Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Cont. Run Specify nominal overall row length to the 1' |
| 23" (584.2mm) | | | | | | |
| | 35" (889mm) | | | | | |
| | | 47" (1193.8mm) | | | | |
| | | | 59" (1498.6mm) | | | |
| | | | | 71" (1803.4mm) | | |
| | | | | | 95" (2413mm) | |
| | | | | | | Specify to the 1' >>> |



Mounting

- Individual Units: specify G_G, FLF, SFS, NFN
- Continuous Runs: specify G_, FL, SF, NF
- All individual units cannot be joined, end trims are factory installed and cannot be removed
- Designed to install into acoustical grid and inaccessible ceilings
- Designed to be 12"-18" away from wall for optimal performance
- 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: 3-13/16" (96.8mm) | 9/16" T-Bar For tegular tile installations, fixture position will not be flush to the bottom of the tile Flange to Flange: 3-13/16" (96.8mm) | 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: 3-13/16" (96.8mm) | 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: 3-13/16" (96.8mm) | Exposed Standard 1/2" Flange Detail Flange to Flange: 4-1/8" (104.7mm) | Metal Pan or Millwork Flange to Flange: 3-7/16" (87.3mm) | Drywall, Flangeless Detail Flange to Flange: 5" (127mm) |
|  |  |  |  |  |  |  |
| Standard Tile | Standard Tile | Tegular Tile | Tegular Tile | | | |
|  |  | |  | | | |
| Tegular Tile | Tegular Tile | | Tegular Tile | | | |

Voltage

- Some EV3WW 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 EV3WW 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 |
| 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% |
| EH1 | ELV 120v only, 0-10v universal |

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EV3WW_LED_SPEC_JUNE2022



How to specify Circuiting, Battery and Emergency

- 1
 - Select fixture circuiting from options below
 - Some EV3WW 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 EV3WW 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
- No battery option available for 2' lengths
- Entire fixture is on battery for lengths up to 5'
- Half of fixture is on battery for 6'; 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

| | |
|-------------|---|
| 0 | No Battery |
| _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
- $92.3 \text{ (LPW)} \times 10 \text{ (watts)} = 923 \text{ battery lumen output}$

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: 1-1P
- 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
- Consult factory for MR16 configurations

| | |
|-------------|--|
| QS | Quick Ship |
| CP | Chicago Plenum |
| MRF | Fixed MR16 Halogen <i>(only available with 120v)</i> |
| LMRF | Fixed MR16 LED <i>(only available with 120v)</i> |
| RC | Rotating Crossbar |
| LC | Clear Lens |
| B | Baffle |
| DSP | Customer Supplied Battery/Driver/Sensor |
| GLR | Internal Fast Blow Fuse |

Quick Ship

| | Output | Mounting | Voltage | Driver | Circuiting | Battery | Finish | Options |
|--------------|---|--|--|--|---|---|----------------|--|
| 10-Day | | | | | | | | |
| EV3WW | 80 CRI, all color temperatures, all lumen packages <i>See pg 4</i> | G1(G) 1" T-Bar G9(G) 9/16" T-Bar GS(G) Screw Slot FL(F) 1/2" Flange NF(N) Flangeless SF(S) Spackle Flange | U Universal (120-277) 1 120V 2 277V | FSD Factory Select Driver <i>(1%, 0-10v)</i> PL2 Advance Xitanium 0-10v, 1% LH1 Lutron LDE1 OL2 Osram 0-10v, 1% | 1 Single Circuit E Emergency N Night Light | 0 None 1IC Iota 10w Integral | W White | CP Chicago Plenum GLR Internal Fast Blow Fuse |

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

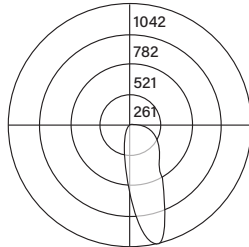
Controls

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

Photometrics

Wall Wash

| | |
|-----------|-------------|
| Test # | ITL82933 |
| Catalog # | EV3WW-840-4 |
| Lumens | 1406 lm |
| Watts | 24.1 W |
| Efficacy | 58 LPW |



Candela Distribution

| Vert Angle | Horizontal Angle | | | | |
|------------|------------------|------|-----|------|-----|
| | 0 | 22.5 | 45 | 67.5 | 90 |
| 0 | 566 | 566 | 566 | 566 | 566 |
| 5 | 793 | 731 | 567 | 434 | 371 |
| 10 | 996 | 891 | 563 | 301 | 230 |
| 15 | 1038 | 999 | 554 | 210 | 140 |
| 20 | 903 | 1016 | 541 | 144 | 88 |
| 25 | 709 | 926 | 523 | 96 | 69 |
| 30 | 581 | 765 | 503 | 73 | 57 |
| 35 | 470 | 611 | 476 | 61 | 48 |
| 40 | 411 | 509 | 446 | 50 | 39 |
| 45 | 373 | 408 | 412 | 41 | 29 |
| 50 | 342 | 351 | 376 | 33 | 11 |
| 55 | 316 | 310 | 336 | 24 | 4 |
| 60 | 287 | 275 | 292 | 7 | 3 |
| 65 | 252 | 243 | 248 | 3 | 1 |
| 70 | 214 | 208 | 204 | 2 | 1 |
| 75 | 173 | 167 | 157 | 1 | 0 |
| 80 | 146 | 124 | 106 | 1 | 0 |
| 85 | 122 | 96 | 41 | 0 | 0 |
| 90 | 95 | 70 | 0 | 0 | 0 |

Luminance Data (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45 | 19888 | 24775 | 38132 |
| 55 | 17529 | 20163 | 38110 |
| 65 | 15088 | 17640 | 38063 |
| 75 | 11620 | 14192 | 38811 |
| 85 | 9643 | 10232 | 28436 |



Applications & Certificates

Construction: Formed cold-rolled 20 gauge steel housing. Highly reflective die-formed white painted aluminum 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.

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 = 122,900 hours and L90 = 36,600 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.

CRI, CCT & Lumen Output: 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. 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.

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 96°F/35°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 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.

MR16: Ideal for conference rooms, corridors, wall washing, retail spaces and training facilities where accent lighting is required. Fully enclosed compartment eliminates light from entering into our fixture areas. For LED and Halogen lamps (lamps are not included). Consult factory for other lamp types. Standard 60 watt max LED electronic transformer (120v), 50 watt max halogen lamp electronic transformer (120v), MR16 installed as an independent circuit. MR16 to match fixture voltage. 277v not available. Consult factory for MR16 configurations. Pinnacle's MR16 applications are to be used with Soraa lamps with a maximum of 13 transformers on one circuit.

Controls: Specify PD for daylight sensor, requires 0-10v driver. Some EDGE configurations will not accommodate all control options; consult with factory.

Labels: UL and cUL Listed. Standard and HO 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.