

# 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



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CRI, CCT & OUTPUT <i>QS</i> <sup>1</sup>	LENGTH <sup>2</sup>	MOUNTING <sup>3</sup>	VOLTAGE
<i>27</i> - 2700K <i>30</i> - 3000K <i>35</i> - 3500K <i>40</i> - 4000K <b>CL</b> ----- - Custom Lumens <b>CW</b> ----- - Custom Watts <i>Lumen Output pg. 2</i> <i>Example: 830HO is 8 = 80 CRI; 30 = 3000K;</i> <i>HO = High Output; Blank = Standard Output</i>	-- - Individual Fixture <i>QS</i> -- - Continuous Row <i>QS</i> <i>Length and Pattern pg. 2</i>	<b>G1(G)</b> - 1" (15/16") T Bar <i>QS</i> <b>G9(G)</b> - 9/16" T Bar <i>QS</i> <b>GB(G)</b> - 9/16" Bevel T Bar <b>GS(G)</b> - Screw Slot T Bar <i>QS</i> <b>FL(F)</b> - 1/2" Flange <i>QS</i> <b>NF(N)</b> - Non Flange <i>QS</i> <b>SF(S)</b> - Spackle Flange <i>QS</i> <i>Mounting pg. 3</i>	<b>U</b> - Universal <i>QS</i> <i>(120 thru 277V)</i> <b>1</b> - 120V <i>QS</i> <b>2</b> - 277V <i>QS</i> <b>3</b> - 347V <i>Voltage pg. 3</i>
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DRIVER	CIRCUITING	BATTERY & EMERGENCY <sup>4</sup>	FINISH
<b>FSD</b> - Factory Select Driver (1%, 0-10v) <i>QS</i> <b>PL2</b> - Advance Xitanium (1%, 0-10v) <i>QS</i> <b>OL2</b> - Osram (1%, 0-10v) <i>QS</i> <b>OL4</b> - Osram 347v (1%, 0-10v) <b>EE1</b> - eldoLED ECOdrive (1%, 0-10v) <b>ES1</b> - eldoLED SOLOdrive (0.1%, 0-10v) <b>LH1</b> - Lutron Hi-lume (1%, EcoSystem) <b>PS1</b> - Advance Xitanium (50%/100%) <i>Driver pg. 3</i>	<b>1</b> - Single Circuit <i>QS</i> <b>M</b> - Multi Circuit <b>E</b> - Emergency <i>QS</i> <i>(entire fixture)</i> <b>N</b> - Night Light <i>QS</i> <i>(entire fixture)</i> <i>Circuiting pg. 4</i>	<b>0</b> - None <i>QS</i> <b>_FSB</b> - Factory Select Battery <b>_FSG</b> - Factory Select ALCR <b>_GI</b> - Iota ETS DR <b>_GB</b> - Bodine GTD <b>_IC</b> - Iota 10W (CEC Listed) <i>QS</i> <b>_P</b> - Bodine 10W <b>_E</b> - Emergency Circuit Section <b>_N</b> - Night Light Circuit Section <b>_L</b> - Life Safety Circuit Section <i>Battery and Emergency pg. 4</i>	<b>W</b> - White <i>QS</i> <b>S</b> - Metallic Silver <b>BL</b> - Textured Black <b>BR</b> - Bronze <b>GR</b> - Graphite <b>CC</b> - Custom Color <i>Finish pg. 4</i>
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FIXTURE OPTIONS <sup>5</sup>	CONTROLS		
<b>QS</b> - QuickShip <i>QS</i> <b>CP</b> - Chicago Plenum <i>QS</i> <b>MRF</b> - Fixed MR16 Halogen <b>LMRF</b> - Fixed MR16 LED <b>RC</b> - Rotating Crossbar <b>LC</b> - Clear Lens <b>B</b> - Baffle <b>DSP</b> - Customer Supplied Battery/Driver/ Sensor <b>GLR</b> - Internal Fast Blow Fuse <i>QS</i> <i>Fixture Options pg. 5</i>	<i>Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.</i>		

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

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## CRI, CCT & 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

<b>CL</b> _____	Specify CRI, CCT and desired lumens (i.e. CL835700)	Specify lumens between standard offering listed below. Lumens are specified per color temp
<b>CW</b> _____	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
<b>830</b>	3000K	Standard	6.0	329	54.6
<b>830HO</b>	3000K	High	10.3	511	49.7
<b>835</b>	3500K	Standard	6.0	343	56.9
<b>835HO</b>	3500K	High	10.3	534	52.0
<b>840</b>	4000K	Standard	6.0	352	58.4
<b>840HO</b>	4000K	High	10.3	548	53.3

### 90 CRI

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

## Length

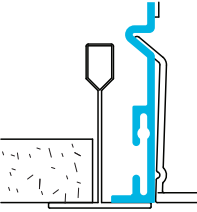
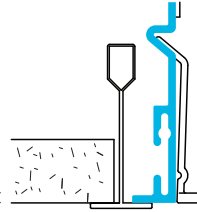
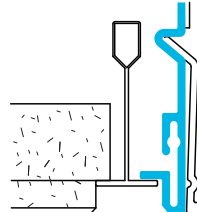
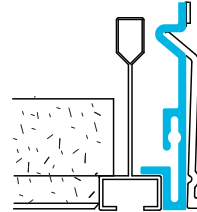
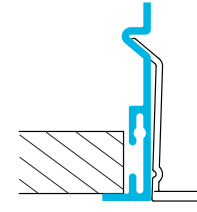
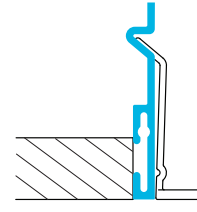
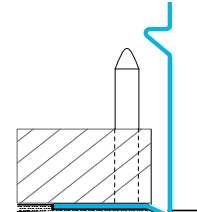
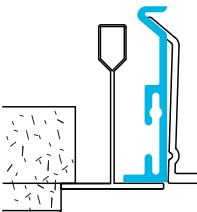
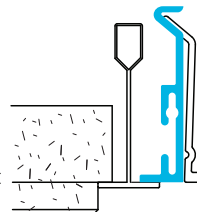
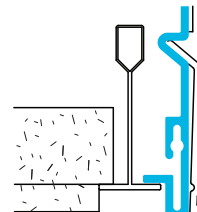
- Individual units cannot be joined, end trims are factory installed and cannot be removed
- Continuous Rows are made up of even and odd length fixtures; designed to fall on-grid

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, 0.1% Logarithmic
ES2	eldoLED SOLOdrive 0-10v, 0% Linear
DALI Drivers	
EE3	eldoLED ECOdrive .1%, DALI (logarithmic)
ES3	eldoLED SOLOdrive .1%, DALI (logarithmic)
OD1	Osram Optotronic 1%, DEXAL
OD2	Osram Optotronic 1%, DALI 2 Channel
Lutron Drivers	
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
LH4	Lutron Hi-Lume 1%, 2-wire, Lutron-LTEA2W, 120v only
Alternate Drivers	
PS1	Signify Advance Xitanium Step Dimming 50%/100%
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 EV3WW configurations will not accommodate all circuiting options, consult with factory

### Circuiting

<b>1</b>	Single Circuit
<b>M</b>	Multi Circuit
<b>E</b>	Emergency Circuit only
<b>N</b>	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

<b>0</b>	No Battery
<b>_FSB</b>	Factory Select Battery (10w option)
<b>_FSBST</b>	Factory Select Battery (10w, Self Testing)
<b>_IC</b>	lota 10w Integral
<b>_ILL</b>	lota 10w Integral Lithium, Self Testing
<b>_IRH</b>	lota 20w Remote
<b>_P</b>	Bodine 10w Integral
<b>_PRH</b>	Bodine 20w Remote
<b>_PLL</b>	Bodine 10w Integral Lithium, Self Testing

#### 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

<b>_FSG</b>	Factory Select Automatic Load Control Relay (ALCR), UNV
<b>_GI</b>	Emergency Transfer Switch (ETS) DR Emergency Control Device, UNV
<b>_GB</b>	Bodine GTD, Generator Transfer Device, 120v or 277v
<b>_E</b>	Emergency circuit section
<b>_N</b>	Night Light circuit section
<b>_L</b>	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

<b>W</b>	White
<b>S</b>	Metallic Silver
<b>BL</b>	Textured Black
<b>GR</b>	Graphite
<b>BR</b>	Bronze
<b>CC</b>	Custom Color

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## Fixture Options

- Additional options to enhance the fixture and finish of the product
- Consult factory for MR16 configurations

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

## Quick Ship

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

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

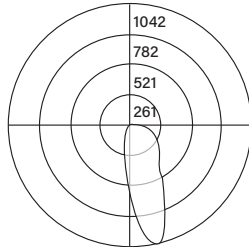
## Controls

- 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. 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](http://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. 90 CRI = R9≥50.

**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 1598 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.