

# EDGE ET4WW

Recessed Linear Wall Wash EDGE Techx for Integrated Ceiling Systems

## Key Features

- Extruded aluminum trim with formed cold rolled 20 gauge steel back box housing.
- ET4WW LED offered with a 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 15 lbs (per 4' fixture)
- Room-Side Maintenance for LED system
- Buy American Act compliant



Example Part #: ET4WW-830HO-26'-G1-U-OL2-1-0-W

**ET4WW** - CRI, CCT & OUTPUT - LENGTH - MOUNTING - VOLTAGE - DRIVER - CIRCUITING - BATTERY & EMERGENCY - FINISH - FIXTURE OPTIONS

CRI, CCT & OUTPUT	LENGTH <sup>1</sup>	MOUNTING <sup>2</sup>	VOLTAGE
----- <b>_27_</b> - 2700K <b>_30_</b> - 3000K <b>_35_</b> - 3500K <b>_40_</b> - 4000K <b>CL</b> ----- - Custom Lumens <b>CW</b> ----- - Custom Watts <i>Lumen Output pg. 2</i> Example: 830HO is <b>8</b> = 80 CRI; <b>30</b> = 3000K; HO = High Output; Blank = Standard Output	----- ___ - Individual Fixture ___ - Continuous Row <i>Length pg. 2</i>	----- <b>G1</b> - 1" (15/16") T Bar <b>G9</b> - 9/16" T Bar <b>GB</b> - 9/16" T Bar with Bevel Edge <b>GS</b> - Screw Slot T Bar <i>Mounting pg. 3</i>	----- <b>U</b> - Universal (120 thru 277V) <b>1</b> - 120V <b>2</b> - 277V <b>3</b> - 347V <i>Voltage pg. 3</i>
DRIVER	CIRCUITING	BATTERY & EMERGENCY <sup>3</sup>	FINISH
<b>FSD</b> - Factory Select Driver (1%, 0-10v) <b>PL2</b> - Advance Xitanium (1%, 0-10v) <b>OL2</b> - Osram (1%, 0-10v) <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 <b>M</b> - Multi Circuit <b>E</b> - Emergency (entire fixture) <b>N</b> - Night Light (entire fixture) <i>Circuiting pg. 4</i>	<b>0</b> - None <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) <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 <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>
FIXTURE OPTIONS	CONTROLS		
<b>CP</b> - Chicago Plenum <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>Fixture Options pg. 5</i>	Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.		

<sup>1</sup> Individual fixtures come in 2', 3', 4', 5', 6', & 8' lengths. Continuous row come in 1' increments. <sup>2</sup>Specify grid for individual or continuous length: G1, G9 & GS for continuous rows, G1G, G9G & GSG for individual lengths. <sup>3</sup> Enter quantity for Battery and Emergency, Example 2P.

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
- 90 CRI = R9≥50

### Custom Output- Lumens OR Wattage

<b>CL</b> _____	Specify CRI, CCT and desired lumens (i.e. CL835400)	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 <i>per foot</i>	Shielding <b>WW</b> 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

- All 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

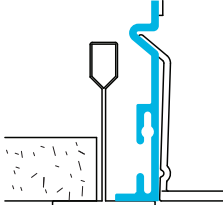
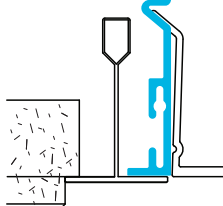
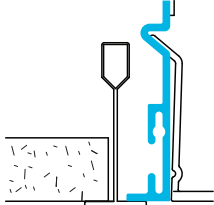
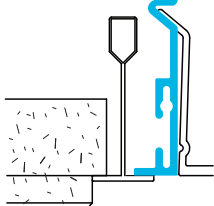
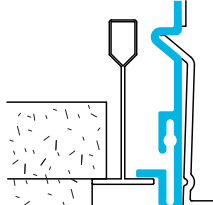
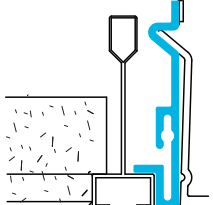
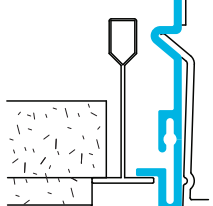
2	3	4	5	6	8	—
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run Specify nominal overall row length to the 1'
23" (584.2mm)						
	35" (889mm)					
		47" (1193.8mm)				
			59" (1498.6mm)			
				71" (1803.4mm)		
					95" (2413mm)	
Specify to the 1' >>>>						

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## Mounting

- All individual units cannot be joined, end trims are factory installed and cannot be removed
- 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

G1	G9	GB	GS
1" (15/16") T-Bar	9/16" T-Bar <i>For tegular tile installations, fixture position will not be flush to the bottom of the tile</i>	9/16" T-Bar <i>Rail has bevel edge details. For tegular tile installations, fixture position will be flush to the bottom of the tile</i>	Screw Slot & 9/16" T-Bar <i>For 9/16" installations with tegular tile, fixture position will be flush to the bottom of the tile</i>
 <p>Standard Tile</p>  <p>Tegular Tile</p>	 <p>Standard Tile</p>  <p>Tegular Tile</p>	 <p>Tegular Tile</p>	 <p>Tegular Tile</p>  <p>Tegular Tile</p>

## Voltage

- Some ET4WW configurations will not accommodate all voltage options; consult with factory

<b>U</b>	Universal
<b>1</b>	120 volt
<b>2</b>	277 volt
<b>3</b>	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 ET4WW configurations will not accommodate all driver options-consult with factory

0-10V Drivers	
<b>FSD</b>	Factory Select Driver 1%, 0-10v
<b>PL2</b>	Signify Advance Xitanium 1%, 0-10v
<b>PL4</b>	Advance Xitanium 347v 1%, 0-10v, requires 347v
<b>OL2</b>	Osram Optotronic, 1%, 0-10v
<b>OL4</b>	Osram Optotronic 347v, 1% 0-10v, requires 347v option
<b>EE1</b>	eldoLED ECOdrive 1%, 0-10v Logarithmic
<b>EE2</b>	eldoLED ECOdrive 1%, 0-10v Linear
<b>ES1</b>	eldoLED SOLOdrive 0-10v, 0.1% Logarithmic
<b>ES2</b>	eldoLED SOLOdrive 0-10v, 0% Linear
DALI Drivers	
<b>EE3</b>	eldoLED SOLOdrive .1%, DALI (logarithmic)
<b>EE4</b>	eldoLED SOLOdrive .1%, DALI (linear)
<b>OD1</b>	Osram Optotronic 1%, DEXAL
<b>OD2</b>	Osram Optotronic 1%, DALI 2 Channel
Lutron Drivers	
<b>LH1</b>	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
<b>LH4</b>	Lutron Hi-Lume 1%, 2-wire, Lutron-LTEA2W, 120v only
Alternate Drivers	
<b>PS1</b>	Signify Advance Xitanium Step Dimming 50%/100%
<b>EH1</b>	ELV 120v only, 0-10v universal



## How to specify Circuiting, Battery and Emergency

- 1**
- Select fixture circuiting from options below
  - Some ET4WW 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 ET4WW 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
- 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' or 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>	Iota 10w Integral
<b>_ILL</b>	Iota 10w Integral Lithium, Self Testing
<b>_IRH</b>	Iota 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

<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

- Selecting a fixture finish other than white may impact lumen output; consult factory for more information

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## Fixture Options

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

<b>CP</b>	Chicago Plenum
<b>LC</b>	Clear Lens
<b>B</b>	Baffle
<b>DSP</b>	Customer Supplied Battery/Driver/Sensor
<b>GLR</b>	Internal Fast Blow Fuse

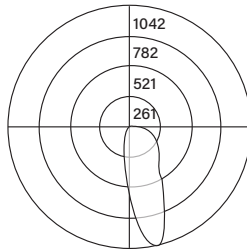
## Controls

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

## Photometrics

### Wall Wash

Test #	ITL82933
Catalog #	ET4WW-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

For all available IES files, please visit our website at [pinnacle-ltg.com](http://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

## Applications & Certificates

**Construction:** Extruded aluminum trim with formed cold rolled 20 gauge steel back box housing. Highly reflective die-formed white painted steel reflector.

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

**Mounting:** EDGE Techx is designed to install into acoustical grid and inaccessible ceilings. Specify GXG for individual, unjoinable units (individual units will fall on-grid). Specify GX for continuous runs (runs designed to fall on-grid). Grid retention brackets are integral to housing. Each housing contains 4 grid retention brackets. Consult factory for detailed installation instructions. Maximum fixture weight is 15 lbs (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 Techx 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 Techx 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) 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 Techx 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.

**Controls:** Consult 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 15 lbs (per 4' fixture).

**Buy American Act Compliant**

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

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