

# EDGE ET4DWW

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.
- ET4DWW 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 #: ET4DWW-830HO-26'-G1-U-FSD-1-0-W

**ET4DWW** -      -      -      -      -      -      -      -      -     

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
_27_ - 2700K _30_ - 3000K _35_ - 3500K _40_ - 4000K CL - Custom Lumens CW - Custom Watts Lumen Output pg. 2 Example: 830HO is 8 = 80 CRI; 30 = 3000K; HO = High Output; Blank = Standard Output	_ - Individual Fixture _ - Continuous Row Length pg. 2	G1 - 1" (15/16") T Bar G9 - 9/16" T Bar GB - 9/16" T Bar with Bevel Edge GS - Screw Slot T Bar Mounting pg. 3	U - Universal (120 thru 277V) 1 - 120V 2 - 277V 3 - 347V Voltage pg. 3

DRIVER	CIRCUITING	BATTERY & EMERGENCY <sup>3</sup>	FINISH
FSD - Factory Select Driver (1%, 0-10v) PL2 - Advance Xitanium (1%, 0-10v) OL2 - eldoLED Optotronic (1%, 0-10v) OL4 - eldoLED Optotronic 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%) Driver pg. 3	1 - Single Circuit M - Multi Circuit E - Emergency (entire fixture) N - Night Light (entire fixture) Circuiting pg. 4	0 - None _FSB - Factory Select Battery _FSG - Factory Select ALCR _GI - Iota ETS DR _GB - Bodine GTD _IC - Iota 10W (CEC Listed) _P - Bodine 10W _E - Emergency Circuit Section _N - Night Light Circuit Section _L - Life Safety Circuit Section Battery and Emergency pg. 4	W - White S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color Finish pg. 4

FIXTURE OPTIONS	CONTROLS
CP - Chicago Plenum LC - Clear Lens B - Baffle DSP - Customer Supplied Battery/Driver/Sensor GLR - Internal Fast Blow Fuse Fixture Options pg. 5	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', 7', & 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. CL835700)	Max Lumens: 1040lm/ft. Max lumens dependent on color temp. Consult factory for more information
<b>CW</b> _____	Specify CRI, CCT and desired wattage (i.e. CW9407)	Max Watts: 14.6 watts/ft. Consult factory for more information.

### 80 CRI

	Color	Lumens <i>per foot</i>	Shielding <b>WW</b> Wall Wash	
			<i>LPW</i>	<i>Watts/ft</i>
<b>830</b>	3000K	500	68	7.3
<b>830HO</b>	3000K	750	67	11.2
<b>830VHO</b>	3000K	N/A		
<b>835</b>	3500K	500	73	6.9
<b>835HO</b>	3500K	750	71	10.6
<b>835VHO</b>	3500K	1000	69	14.5
<b>840</b>	4000K	500	76	6.6
<b>840HO</b>	4000K	750	74	10.1
<b>840VHO</b>	4000K	1000	72	13.9

### 90 CRI

<b>927</b>	2700K	500	56	8.9
<b>927HO</b>	2700K	750	54	13.9
<b>927VHO</b>	2700K	N/A		
<b>930</b>	3000K	500	62	8.1
<b>930HO</b>	3000K	750	60	12.5
<b>930VHO</b>	3000K	N/A		
<b>935</b>	3500K	500	64	7.8
<b>935HO</b>	3500K	750	63	11.9
<b>935VHO</b>	3500K	N/A		
<b>940</b>	4000K	500	62	8.0
<b>940HO</b>	4000K	750	60	12.4
<b>940VHO</b>	4000K	N/A		

## Length

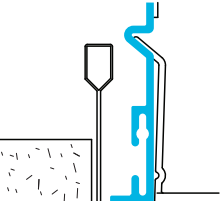
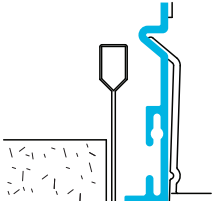
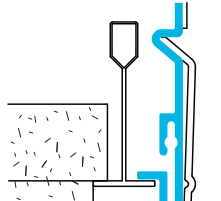
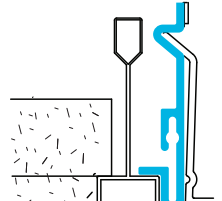
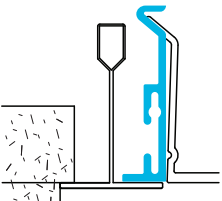
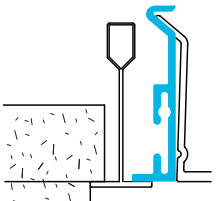
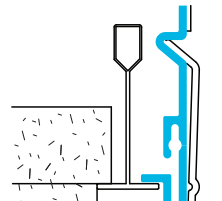
- All individual units cannot be joined, end trims are factory installed and cannot be removed
- Continuous Rows are made up of even and odd length fixtures; designed to fall on-grid

2	3	4	5	6	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'
23" (584.2mm)							Specify to the 1'
	35" (889mm)						
		47" (1193.8mm)					
			59" (1498.6mm)				
				71" (1803.4mm)			
					83" (2108.2mm)		
						95" (2413mm)	



## 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	9/16" T-Bar	Screw Slot & 9/16" T-Bar
	<i>For tegular tile installations, fixture position will not be flush to the bottom of the tile</i>	<i>Rail has bevel edge details. For tegular tile installations, fixture position will be flush to the bottom of the tile</i>	<i>For 9/16" installations with tegular tile, fixture position will be flush to the bottom of the tile</i>
 <p data-bbox="121 682 227 703">Standard Tile</p>	 <p data-bbox="511 682 617 703">Standard Tile</p>	 <p data-bbox="893 682 998 703">Tegular Tile</p>	 <p data-bbox="1274 682 1380 703">Tegular Tile</p>
 <p data-bbox="121 976 211 997">Tegular Tile</p>	 <p data-bbox="511 976 600 997">Tegular Tile</p>		 <p data-bbox="1274 976 1364 997">Tegular Tile</p>

## Voltage

- Some ET4DWW 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 ET4DWW 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>	eldoLED Optotronic, 1%, 0-10v
<b>OL4</b>	eldoLED 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>	eldoLED Optotronic 1%, DEXAL
<b>OD2</b>	eldoLED 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 ET4DWW 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 ET4DWW 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
- 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

<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

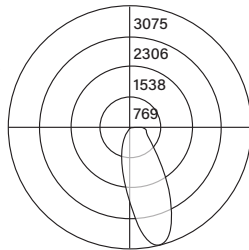
## Controls

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

## Photometrics

### Wall Wash

Test #	KPL2015-8
Catalog #	EV3D-WW-840VHO-4
Lumens	3757
Watts	51.6
Efficacy	72.8



### Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	2111	2111	2111	2111	2111
5	2678	2613	2506	2344	2123
10	3036	2969	2824	2527	2096
15	3022	3004	2951	2642	2049
20	2654	2730	2859	2666	1985
25	2166	2262	2563	2591	1898
30	1699	1807	2146	2410	1785
35	1314	1408	1748	2141	1641
40	1013	1095	1405	1836	1474
45	793	848	1088	1496	1281
50	649	676	832	1179	1062
55	553	565	646	905	841
60	490	490	520	679	620
65	451	442	436	494	422
70	425	412	382	362	267
75	406	387	340	270	149
80	375	355	302	214	77
85	330	310	254	166	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	37710	51688	60894
55	32416	37820	49255
65	35835	34636	33548
75	52747	44180	19288
85	127208	97788	14413

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 section 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.