

# 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
- Room-Side Maintenance for LED system



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   |
|--|---|--|---|
| <b>27</b> - 2700K<br><b>30</b> - 3000K<br><b>35</b> - 3500K<br><b>40</b> - 4000K<br><b>CL</b> - Custom Lumens<br><b>CW</b> - Custom Watts<br><i>Lumen Output pg. 2</i><br><i>Example: 830HO is 8 = 80 CRI; 30 = 3000K;</i><br><i>HO = High Output; Blank = Standard Output</i> | <b>---</b> - Individual Fixture<br><b>---</b> - Continuous Row<br><i>Length pg. 2</i> | <b>G1</b> - 1" (15/16") T Bar<br><b>G9</b> - 9/16" T Bar<br><b>GB</b> - 9/16" T Bar with Bevel Edge<br><b>GS</b> - Screw Slot T Bar<br><i>Mounting pg. 3</i> | <b>U</b> - Universal<br><i>(120 thru 277V)</i><br><b>1</b> - 120V<br><b>2</b> - 277V<br><b>3</b> - 347V<br><i>Voltage pg. 3</i> |

| DRIVER   | CIRCUITING   | BATTERY & EMERGENCY <sup>3</sup>   | FINISH  |
|--|--|--|---|
| <b>FSD</b> - Factory Select Driver (1%, 0-10v)<br><b>PL2</b> - Advance Xitanium (1%, 0-10v)<br><b>OL2</b> - eldoLED Optotronic (1%, 0-10v)<br><b>OL4</b> - eldoLED Optotronic 347v (1%, 0-10v)<br><b>EE1</b> - eldoLED ECODErive (1%, 0-10v)<br><b>ES1</b> - eldoLED SOLOdrive (0.1%, 0-10v)<br><b>LH1</b> - Lutron Hi-lume (1%, EcoSystem)<br><b>PS1</b> - Advance Xitanium (50%/100%)<br><i>Driver pg. 3</i> | <b>1</b> - Single Circuit<br><b>M</b> - Multi Circuit<br><b>E</b> - Emergency<br><i>(entire fixture)</i><br><b>N</b> - Night Light<br><i>(entire fixture)</i><br><i>Circuiting pg. 4</i> | <b>0</b> - None<br><b>_FSB</b> - Factory Select Battery<br><b>_FSG</b> - Factory Select ALCR<br><b>_GI</b> - Iota ETS DR<br><b>_GB</b> - Bodine GTD<br><b>_IC</b> - Iota 10W (CEC Listed)<br><b>_P</b> - Bodine 10W<br><b>_E</b> - Emergency Circuit Section<br><b>_N</b> - Night Light Circuit Section<br><b>_L</b> - Life Safety Circuit Section<br><i>Battery and Emergency pg. 4</i> | <b>W</b> - White<br><b>S</b> - Metallic Silver<br><b>BL</b> - Textured Black<br><b>BR</b> - Bronze<br><b>GR</b> - Graphite<br><b>CC</b> - Custom Color<br><i>Finish pg. 4</i> |

| FIXTURE OPTIONS <sup>4</sup>   | CONTROLS   |
|--|--|
| <b>CP</b> - Chicago Plenum<br><b>LC</b> - Clear Lens<br><b>B</b> - Baffle<br><b>DSP</b> - Customer Supplied Battery/Driver/Sensor<br><b>GLR</b> - Internal Fast Blow Fuse<br><b>BA</b> - Buy America(n) Act and/or Build America Buy America Compliant<br><i>Fixture Options pg. 5</i> | <i>Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.</i> |

<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. Enter quantity for Battery and Emergency, Example 2PLL. <sup>3</sup>Compliance is configuration dependent; consult factory for confirmation.

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<br>per foot | Shielding<br>WW<br>Wall Wash<br>LPW | Watts/ft |
|---------------|-------|--------------------|-------------------------------------|----------|
| <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

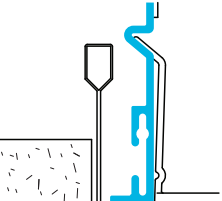
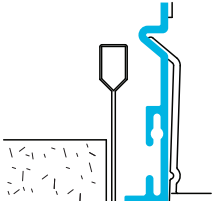
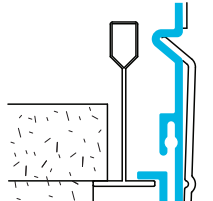
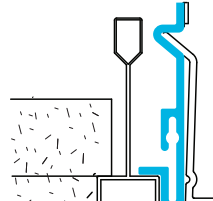
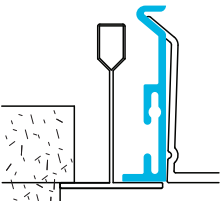
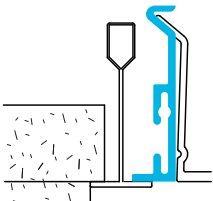
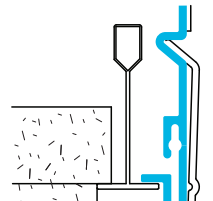
| 2                     | 3              | 4              | 5              | 6              | 7              | 8              | —   |
|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
| Indiv. Fixture        | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Cont. Run<br>Specify nominal<br>overall row length<br>to the 1' |
| 23" (584.2mm)         |                |                |                |                |                |                |   |
|                       | 35" (889mm)    |                |                |                |                |                |   |
|                       |                | 47" (1193.8mm) |                |                |                |                |   |
|                       |                |                | 59" (1498.6mm) |                |                |                |   |
|                       |                |                |                | 71" (1803.4mm) |                |                |   |
|                       |                |                |                |                | 83" (2108.2mm) |                |   |
|                       |                |                |                |                |                | 95" (2413mm)   |   |
| Specify to the 1' >>> |                |                |                |                |                |                |   |



## 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<br><i>For tegular tile installations, fixture position will not be flush to the bottom of the tile</i> | 9/16" T-Bar<br><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<br><i>For 9/16" installations with tegular tile, fixture position will be flush to the bottom of the tile</i> |
|  |                                   |   |   |
| Standard Tile   | Standard Tile  | Tegular Tile  | Tegular Tile   |
|  |                                   |   |   |
| Tegular Tile  | Tegular Tile   |   | Tegular Tile   |

## Voltage

- Some ET4DWW 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 ET4DWW 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% Linear                        |
| DALI Drivers      |   |
| EE3               | eldoLED ECOdrive 1%, DALI 2, Logarithmic, DT6             |
| ES3               | eldoLED SOLOdrive 0.1%, DALI 2, Logarithmic, DT6          |
| Lutron Drivers    |   |
| LH1               | Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1 |
| Alternate Drivers |   |
| PS1               | Advance Xitanium Step Dimming 50%/100%                    |
| EH1               | ERP 1%, Line Voltage and ELV, requires 120v               |



## 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 2PLL*
- 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, Integral Lithium               |
| <b>_FSBST</b> | Factory Select Battery 10w, Integral Lithium, Self Testing |
| <b>_ILL</b>   | Iota 10w Integral Lithium, Self Testing                    |
| <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 ALCR Emergency Control Device, UNV  |
| <b>_GI</b>  | Iota ETS-DR, Emergency Control Device, UNV         |
| <b>_GB</b>  | Bodine GTD, Emergency Control 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: 1-1PLL
- Emergency only, 10w Integral Battery      Ordering Code: E-1PLL
- Single circuit, GTD required      Ordering Code: 1-1GB

### 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    |



## 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                 |

- Domestic content option - compliance is configuration dependent; consult factory for conformation

|           |   |
|-----------|---|
| <b>BA</b> | Buy America(n) Act and/or Build America Buy America Compliant |
|-----------|---|

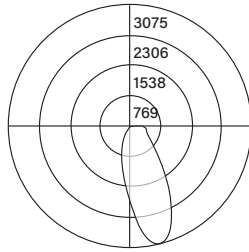
## Controls

- 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 or IAS 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.

**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:** Standard options available, refer to Controls section table for available options, component part number(s), connection type, required driver and limitations. Mod options available, consult with factory.

**Buy America Act (BAA) and Build America, Buy America Act (BABA) Compliance:** BAA and/or BABA compliance options are available to support federally funded projects requiring domestic content. Availability depends on configuration; Compliance is configuration-dependent; consult factory for confirmation.

**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).

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

Specifications and dimensions subject to change without notice. Specification sheets that appear on [pinnacle-ltg.com](http://pinnacle-ltg.com) are the most recent version and supersede all other previously printed or electronic versions.

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