

# EDGE EV3WET

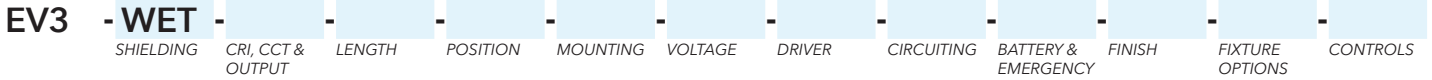
## 3" Recessed Linear WET

### Key Features

- Approved for wet location unless otherwise noted. IP65 and IK10 rated
- Fixture is built using corrosion resistant materials
- 6063-T5 Extruded aluminum housing
- Highly reflective die-formed white painted reflector
- All-inclusive module houses all LED system components in one compact unit
- Unit easily releases from the housing for room-side maintenance
- Wiring access available through bottom of housing
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed
- Buy American Act compliant



Example Part #: EV3-WET-830HO-8"-IND-FLF-U-OL1-1-0-W



WET	SHIELDING	CRI, CCT & OUTPUT	LENGTH <sup>1</sup>	POSITION <sup>2</sup>
<b>WET</b> - Satine Wet Lens <i>Shielding pg. 2</i>	<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> <i>Example: 830HO is 8 = 80 CRI; 30 = 3000K;</i> <i>HO = High Output; Blank = Standard Output</i>	<b>_</b> - Individual Fixture <i>Length pg. 2</i>	<b>IND</b> - Individual <b>BOR</b> - Beginning of Row <b>MOR</b> - Middle of Row <b>EOR</b> - End of Row <i>Mounting pg. 3</i>	

FL_	MOUNTING	VOLTAGE	DRIVER	CIRCUITING
<b>FL(F)</b> - 1/2" Flange <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>	<b>OL1</b> - Osram (10%, 0-10v, standard) <b>OL2</b> - Osram (1%, 0-10v) <b>OL3</b> - Osram 347v (10%, 0-10v) <b>EE1</b> - eldoLED ECOdrive (1%, 0-10v) <b>ES1</b> - eldoLED SOLOdrive (0%, 0-10v) <b>LH1</b> - Lutron Hi-lume (1%, EcoSystem) <b>L51</b> - Lutron 5-Series (5%, EcoSystem) <b>PL2</b> - Philips Xitanium (1%, 0-10v) <b>PS1</b> - Philips Xitanium (50%/100%) <b>ND</b> - Non-Dimming <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>	

BATTERY & EMERGENCY <sup>3</sup>	FINISH	FIXTURE OPTIONS	CONTROLS
<b>0</b> - None <b>P</b> - Philips Bodine 10W <b>I</b> - Iota 10W <b>IC</b> - Iota 10W (CEC Listed) <b>E</b> - Emergency Circuit Section <b>N</b> - Night Light Circuit Section <b>L</b> - Life Safety Circuit Section <b>G</b> - Philips Bodine GTD <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>	<b>GLR</b> - Internal Fast Blow Fuse <b>EPF</b> - End Power Feed <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 nominal 2', 3', 4', 5', 6', 7', & 8' lengths, see pg. 2 for actual lengths. <sup>2</sup>Specify position of fixture. Use IND for an individual fixture, use BOR, MOR, or EOR for building connected rows. <sup>3</sup>Enter quantity for Battery and Emergency, Example 2P. <sup>4</sup>Pinnacle Lighting can integrate a variety of manufacturer solutions in to our fixtures. If your project has specific control requirements that are not listed below, please contact the factory as we are always willing to look into more options.

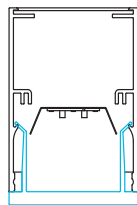
Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions.



## Shielding

### WET

Satine Wet Lens



## 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. CL835500)	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 WET Satine Wet Lumens/ft	LPW
830	3000K	Standard	4.7	319	67.9
830HO	3000K	High	8.7	593	68.6
835	3500K	Standard	4.7	328	69.8
835HO	3500K	High	8.7	610	70.5
840	4000K	Standard	4.7	335	71.3
840HO	4000K	High	8.7	622	71.9

### 90 CRI

927	2700K	Standard	4.7	252	53.6
927HO	2700K	High	8.7	469	54.2
930	3000K	Standard	4.7	294	62.6
930HO	3000K	High	8.7	547	63.2
935	3500K	Standard	4.7	295	62.8
935HO	3500K	High	8.7	549	63.5
940	4000K	Standard	4.7	299	63.6
940HO	4000K	High	8.7	555	64.2

## Length

2	3	4	5	6	7	8
Individual Fixture	Individual Fixture	Individual Fixture	Individual Fixture	Individual Fixture	Individual Fixture	Individual Fixture
27-1/8" (689mm)						
	39" (991mm)					
		50-3/4" (1289mm)				
			62-5/8" (1591mm)			
				74-5/8" (1895mm)		
					86-1/2" (2197mm)	
						98-3/8" (2499mm)



## Position

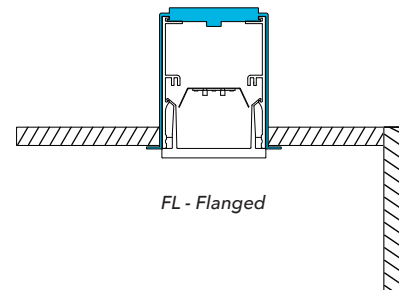
- When making rows with EDGE Wet, the rows must be ordered as individual units with a position specified
- Positions can either be "BOR" - Beginning of Row, "MOR" - Middle of Row, or "EOR" - End of Row
- The connection between fixtures is less than 1/8"
- For single, non-connected units, specify as "IND" for individual

IND	BOR	MOR	EOR
Individual Fixture	Beginning of Row	Middle of Row	End of Row

## Mounting

- Available with standard 1/2" flange (FL)
- Utilize Surface Mount for in-wall application. Building surface waterproofing by others
- End trims and power cord attached at factory
- Approved for wet location unless otherwise noted
- Refer to installation instructions during installation at the jobsite

**FL(F)** Flanged



## Voltage

- Some EDGE Wet 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 = OL1
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some EDGE Wet configurations will not accommodate all driver options; consult with factory

<b>OL1</b>	Osram Optotronic 10%, 0-10v
<b>OL2</b>	Osram Optotronic 1%, 0-10v, nominal 1% dimming range
<b>OL3</b>	Osram Optotronic 347v 10%, 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%, 0-10v Logarithmic
<b>ES2</b>	eldoLED SOLOdrive 0%, 0-10v Linear
<b>LH1</b>	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
<b>L51</b>	Lutron 5-Series 5%, EcoSystem, LDE5
<b>PL2</b>	Philips Advance Xitanium 1%, 0-10v
<b>PS1</b>	Philips Advance Xitanium Step Dimming 50%/100%
<b>ND</b>	Non-Dimming



## How to specify Circuiting, Battery and Emergency

- 1**
- Select fixture circuiting from options below
  - Some EDGE Wet 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 EDGE Wet 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 integral to the fixture
- No battery option available for 2' lengths
- Entire direct fixture housing is on battery for lengths up to 5'
- Half of direct fixture is on battery for 6', 7' or 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

#### 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

<b>0</b>	No battery
<b>_P</b>	Philips Bodine 10w Integral
<b>_I</b>	Iota 10w Integral
<b>_IC</b>	Iota 10w Integral <i>CEC Listed</i>

### 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>_E</b>	Emergency circuit section
<b>_N</b>	Night Light circuit section
<b>_L</b>	Life Safety circuit section NO THROUGH WIRE
<b>_G</b>	Philips Bodine GTD, Generator Transfer Device section

#### 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

GLR	Internal Fast Blow Fuse
EPF	End Power Feed

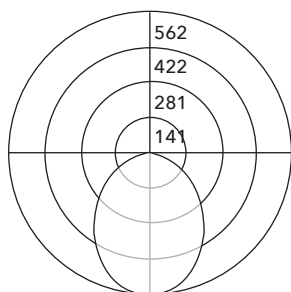
## Controls

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

## Photometrics

### Satine Wet Lens

Test #	ITL86499
Catalog #	EV3-WET-N-840-4
Lumens	1338 lm
Watts	18.8 W
Efficacy	71 LPW



### Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	562	562	562	562	562
5	559	558	558	557	557
10	547	545	544	541	540
15	529	525	522	518	514
20	504	495	491	484	479
25	471	461	453	444	438
30	432	423	414	401	395
35	391	382	371	357	351
40	347	339	327	313	307
45	303	296	284	271	265
50	259	254	243	231	225
55	216	212	204	194	190
60	175	173	166	159	156
65	137	137	132	127	125
70	101	103	101	98	97
75	68	72	72	72	73
80	41	45	49	51	52
85	18	24	30	34	35
90	2	8	15	19	21

### Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3516	3122	2855
55	3086	2690	2436
65	2635	2277	2074
75	2131	1863	1780
85	1625	1615	1669

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** 6063-T5 extruded aluminum housing with welded ends. Internal lens gaskets seal housing to prevent moisture and debris from entering the fixture. Pressure equalizing vent allows fixture to “breathe” preventing condensation.

**Shielding** Solid acrylic diffuse snap-in lens with matte finish with an EPDM gasketed for complete wet seal.

**Mounting** Fixtures can be installed individually or connected for a continuous run appearance. IND fixtures are individual fixtures and have no joining holes. IND fixtures cannot be joined. BOR fixtures are used for beginning of row and have joining holes on non-power end of fixture. MOR fixtures are used for middle of row and have joining holes on both ends of fixture. EOR fixtures are used for the end of a row and have no joining holes on power end of fixture. 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. 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 = 123,100 hours and L90 = 36,700 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. 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 OL3 in Driver section when 347 volt (3) is selected. Some EDGE Wet configura-

tions will not accommodate all voltage options; consult with factory.

**Driver** Standard Driver Option is Osram 0-10V, 10% = OL1. 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 122°F/55°C. For more driver options, see Pinnacle Resource Guide. Some EDGE Wet 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 Wet 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 integral 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 Listed, approved for wet location unless otherwise noted. IP65 and IK10 rated.

**Buy American Act Compliant**

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