

# EDGE EX3BWET

## 3" Suspended Bidirectional Linear WET

### Key Features

- Approved for wet location unless otherwise noted. IP65 and IK10 rated
- 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
- 5-year limited warranty covers LED, driver and fixture
- ETL listed conforming to UL 1598 in US and CSA 250 in Canada.
- Buy American Act compliant



Example Part #: EX3B-WET-O-830HO-830-8'-IND-PP18JB-U-OL2-1-0-W

### EX3B - WET - O

DIRECT SHIELDING    INDIRECT SHIELDING    DIRECT OUTPUT    INDIRECT OUTPUT    LENGTH    POSITION    MOUNTING    VOLTAGE    DRIVER    CIRCUITING    BATTERY & EMERGENCY    FINISH    FIXTURE OPTIONS

<b>WET</b>	<b>O</b>	-----	-----
<b>DIRECT SHIELDING</b>	<b>INDIRECT SHIELDING</b>	<b>DIRECT CRI, CCT &amp; OUTPUT<sup>1</sup></b>	<b>INDIRECT CRI, CCT &amp; OUTPUT<sup>1</sup></b>
<b>WET</b> - Satine Wet Lens Shielding pg. 2	<b>O</b> - Open Shielding pg. 2	<b>_27_</b> - 2700K <b>_30_</b> - 3000K <b>_35_</b> - 3500K <b>_40_</b> - 4000K <b>_50_</b> - 5000K <b>CL</b> ----- - Custom Lumens <b>CW</b> ----- - Custom Watts <i>Lumen Output pg. 2</i>	<b>_27_</b> - 2700K <b>_30_</b> - 3000K <b>_35_</b> - 3500K <b>_40_</b> - 4000K <b>_50_</b> - 5000K <b>CL</b> ----- - Custom Lumens <b>CW</b> ----- - Custom Watts <i>Lumen Output pg. 2</i>
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<b>LENGTH<sup>2</sup></b>	<b>POSITION<sup>3</sup></b>	<b>MOUNTING<sup>4</sup></b>	<b>VOLTAGE</b>
__ - Individual Fixture Length pg. 2	<b>IND</b> - Individual Fixture <b>BOR</b> - Beginning of Row <b>MOR</b> - Middle of Row <b>EOR</b> - End of Row <i>Position pg. 3</i>	<b>PP__JB</b> - Pendant to J Box <b>PP__ST</b> - Pendant to Structure <b>WA</b> - Wall Mount <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>FSD</b> - Factory Select Driver (1%, 0-10v) <b>PL2</b> - Advance Xitanium (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%) <b>OL2</b> - Osram (1%, 0-10v) <i>Driver pg. 3</i>
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<b>CIRCUITING</b>	<b>BATTERY &amp; EMERGENCY<sup>5</sup></b>	<b>FINISH</b>	<b>FIXTURE OPTIONS<sup>6</sup></b>
<b>1</b> - Single Circuit <b>2</b> - Dual 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>O</b> - None <b>_FSG</b> - Factory Select ALCR <b>_GI</b> - Iota ETS DR <b>_GB</b> - Bodine GTD <b>_P</b> - Bodine 10w Integral <b>_IC</b> - Iota 10w Integral (CEC listed) <b>_E</b> - Emergency Section <b>_N</b> - Night Light Section <b>_L</b> - Life Safety 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>	<b>GLR</b> - Internal Fast Blow Fuse <b>EPF</b> - End Power Feed <b>DSP</b> - Customer Supplied Battery/Driver/Sensor <b>N</b> - Natatorium <i>(corrosion resistant hardware) Fixture Options pg. 5</i>
			<i>Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.</i>

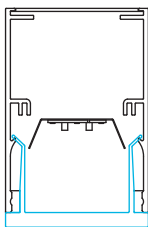
<sup>1</sup>When specifying OUTPUT the first \_ is for specifying either 8 - 80CRI or 9 - 90CRI. The ending \_\_ are for specifying output, example HO - High Output. See output charts for more information. <sup>2</sup>Individual fixtures come in nominal 2', 3', 4', 5', 6', 7', & 8' lengths, see pg. 2 for actual lengths. <sup>3</sup>Specify position of fixture. Use IND for an individual fixture, use BOR, MOR, or EOR to build connected rows. <sup>4</sup>Specify pendant length of either 12", 18" or 24". Pendant options not available with Natatorium. <sup>5</sup>Enter quantity for Battery and Emergency, Example 2P. <sup>6</sup>Natatorium not available with pendant options.

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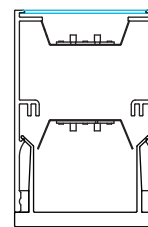
### Direct Shielding

**WET**  
Satine Wet Lens



### Indirect Shielding

**O**  
Open, clear lens



### 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

<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				Direct		Indirect	
	Color	Output	Watts	Shielding <b>WET</b> Satine Wet Lumens/ft   LPW		<b>O</b> Open Lumens/ft   LPW	
<b>830</b>	3000K	Standard	4.3	426	98.5	669	154.7
<b>830HO</b>	3000K	High	8.7	769	88.1	1208	138.5
<b>835</b>	3500K	Standard	4.3	434	100.3	682	157.7
<b>835HO</b>	3500K	High	8.7	785	90.0	1233	141.3
<b>840</b>	4000K	Standard	4.3	447	103.4	702	162.3
<b>840HO</b>	4000K	High	8.7	807	92.5	1268	145.3
<b>850</b>	5000K	Standard	4.3	446	103.1	700	161.8
<b>850HO</b>	5000K	High	8.7	805	92.3	1265	145.0

90 CRI				Direct		Indirect	
<b>927</b>	2700K	Standard	4.3	336	77.7	528	122.1
<b>927HO</b>	2700K	High	8.7	608	69.7	955	109.5
<b>930</b>	3000K	Standard	4.3	361	83.5	567	131.1
<b>930HO</b>	3000K	High	8.7	652	74.7	1025	117.5
<b>935</b>	3500K	Standard	4.3	381	88.1	599	138.5
<b>935HO</b>	3500K	High	8.7	689	79.0	1083	124.1
<b>940</b>	4000K	Standard	4.3	382	88.3	600	138.7
<b>940HO</b>	4000K	High	8.7	690	79.1	1084	124.2

### 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)

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## Position

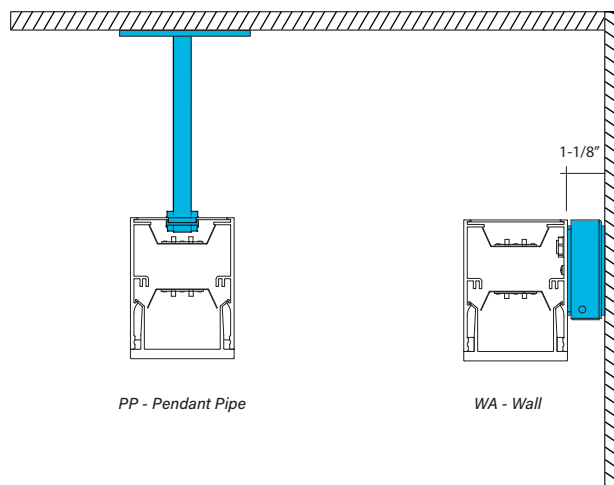
- When making rows with EDGE Wet, the rows must be ordered as individual units with a position specified
- Positions can either be "BOR" - Beginning of Row, "MOR" - Middle of Row, or "EOR" - End of Row
- The connection between fixtures is less than 1/8"
- For single, non-connected units, specify as "IND"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

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

## Mounting

- 1/2" diameter rigid stem pendant and wall mount available
- Specify overall pendant length of 12", 18" or 24"
- Specify pendant length in ordering code (PP12JB)
- End trims and power cord attached at factory
- Canopies and pendants match fixture finish, see Finish section for additional details
- Approved for wet location unless otherwise noted
- Refer to installation instructions during installation at the jobsite
- Fixtures may only be installed with the direct lens facing down. For an in-wall application with the lens facing outward, please see the EDGE Wet Recessed Spec Sheet.

PP_JB	Pendant Pipe to J-Box
PP_ST	Pendant Pipe to Structure
WA	Wall Mount



## Voltage

- Some EDGE Wet 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 = PL2
- 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

### 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
OD1	Osram Optotronic 1%, DEXAL

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## 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>2</b>	Dual 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
- 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

<b>0</b>	No Battery
<b>_ILL</b>	Iota 10w Integral Lithium, Self Testing
<b>_IRH</b>	Iota 20w Remote
<b>_PLL</b>	Bodine 10w Integral Lithium, Self Testing
<b>_PRH</b>	Bodine 20w Remote

#### 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, Automatic Load Control Relay
<b>_GI</b>	Iota ETS DR, Emergency Lighting Control Device
<b>_GB</b>	Bodine GTD, Emergency Lighting Control Device
<b>_E</b>	Emergency circuit section
<b>_N</b>	Night Light circuit section
<b>_L</b>	Life Safety circuit section NO THROUGH WIRE

#### 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

#### 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

### 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 ( <i>white pendant &amp; canopy</i> )
<b>S</b>	Metallic Silver ( <i>silver pendant &amp; canopy</i> )
<b>BL</b>	Textured Black ( <i>black pendant &amp; canopy</i> )
<b>BR</b>	Bronze ( <i>bronze pendant &amp; canopy</i> )
<b>GR</b>	Graphite ( <i>graphite pendant &amp; canopy</i> )
<b>CC</b>	Custom Color ( <i>color match pendant &amp; canopy</i> )



## Fixture Options

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

<b>GLR</b>	Internal Fast Blow Fuse
<b>DSP</b>	Customer Supplied Battery/Driver/Sensor
<b>EPF</b>	End Power Feed
<b>N</b>	Natorium (corrosion resistant hardware)

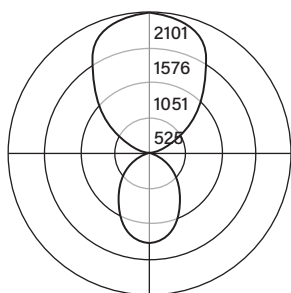
## Controls

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

## Photometrics

### Satine Wet - Open

Test #	Scaled from ITL86508
Catalog #	EX3B-WET-O-840HO-840HO-4
Lumens	8299 lm
Watts	69.8 W
Efficacy	119 LPW



### Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1348	1348	1348	1348	1348
5	1339	1338	1338	1334	1338
15	1268	1254	1250	1240	1229
25	1127	1104	1087	1065	1049
35	932	910	885	851	836
45	719	703	678	646	633
55	511	505	484	459	452
65	324	322	314	302	296
75	160	170	173	172	172
85	41	56	70	79	82
90	3	18	35	47	50
95	35	44	54	62	65
105	255	220	194	186	182
115	648	564	479	430	413
125	1058	1021	848	807	791
135	1417	1410	1278	1153	1128
145	1709	1690	1693	1584	1530
155	1914	1878	1925	1901	1891
165	2034	2015	2020	2020	2028
175	2094	2091	2094	2091	2090
180	2101	2101	2101	2101	2101

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8358	7446	6818
55	7301	6387	5805
65	6244	5404	4904
75	5009	4466	4175
85	3669	3820	3927

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 = 136,200 hours and L90 = 41,100 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. Published lumen or wattage data based on OL1 configuration.

**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 Wet 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 97°F/36°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), dual circuit (2), 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 EX 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** ETL listed conforming to UL 1598 in US and CSA 250 in Canada. IP65 and IK10 rated.

**Buy American Act Compliant**

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

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