

# EDGE EX3B-WW

## 3" Suspended Bidirectional Linear Wall Wash

### Key Features

- 6063-T5 Extruded aluminum housing
- Extruded aluminum module with micro reflector for perfect wall washing illumination
- Highly reflective die-formed white painted reflector
- Room-Side Maintenance for LED system
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed
- Approved for dry/damp location unless otherwise noted
- Maximum weight is 25 lbs. for a standard 4' fixture
- Buy American Act compliant



Example Part #: EX3B-WW-O-830HO-830-26'-AC48G1-U-OL2-1-0-W

**EX3B** - **WW** - **O** - **DIRECT SHIELDING** - **INDIRECT SHIELDING** - **DIRECT OUTPUT** - **INDIRECT OUTPUT** - **LENGTH OR PATTERN** - **MOUNTING** - **VOLTAGE** - **DRIVER** - **CIRCUITING** - **BATTERY & EMERGENCY** - **FINISH** - **FIXTURE OPTIONS**

WW	O	-----	-----
DIRECT SHIELDING	INDIRECT SHIELDING	DIRECT CRI, CCT & OUTPUT	INDIRECT CRI, CCT & OUTPUT
<b>WW</b> - Wall Wash <i>Shielding pg. 2</i>	<b>O</b> - Open <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> Example: 830HO is 8 = 80 CRI; 30 = 3000K; HO = High Output; Blank = Standard Output	<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>

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LENGTH <sup>1</sup>	MOUNTING <sup>2</sup>	VOLTAGE	DRIVER	CIRCUITING
<b>---</b> - Individual Fixture <b>---</b> - Continuous Row <i>Length pg. 3</i>	<b>AC_G</b> - (M)AC to Grid <b>AC_JB</b> - (M)AC to J Box <b>AC_ST</b> - (M)AC to Structure <b>AC5_G</b> - 5" Non-Power Canopy <b>AC5_JB</b> - 5" Non-Power Canopy <b>SQ_G</b> - 5" Square Canopy <b>SQ_JB</b> - 5" Square Canopy <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. 4</i>	<b>OL2</b> - Osram (1%, 0-10v, standard) <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> - Advance Xitanium (1%, 0-10v) <b>PS1</b> - Advance Xitanium (50%/100%) <b>ND</b> - Non-Dimming <i>Driver pg. 3</i>	<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>

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BATTERY & EMERGENCY <sup>3</sup>	FINISH	FIXTURE OPTIONS
<b>O</b> - None <b>P</b> - Bodine 10W Integral <b>I</b> - Iota 10W Integral <b>IC</b> - Iota 10W Integral (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> - 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. 5</i>	<b>MRF</b> - Fixed MR16 (Halogen) <b>LMRF</b> - Fixed MR16 (LED) <b>CL</b> - Clear Lens <b>B</b> - Baffle <i>Fixture Options pg. 5</i>

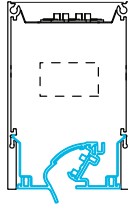
<sup>1</sup> Individual fixtures come in 2', 3', 4', 5', 6' & 8' lengths. Continuous row come in 1' increments. For Mod layouts Specify pattern shape and overall dimensions. Example: L6x4: L pattern that is 6'x4'. <sup>2</sup> Specify AC Cable: Standard single AC = AC or Movable AC = MAC; Specify AC length standard AC is 48"; Specify grid: G1=15/16", G9=9/16", GS=Screw Slot. Example: AC48G1 <sup>3</sup>Enter quantity for Battery and Emergency, Example 2P.



## Direct Shielding

**WW**

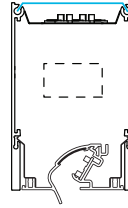
Wall Wash



## Indirect Shielding

**O**

Open, Clear  
Dust Guard



## 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. CL835400)

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

## Direct 80 CRI

	Color	Output	Watts per foot	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

## Direct 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

## Indirect 80 CRI

	Color	Output	Watts per foot	Shielding <b>O</b> Open Lumens/ft	LPW
<b>830</b>	3000K	Standard	4.6	532	115.7
<b>830HO</b>	3000K	High	8.6	992	115.0
<b>835</b>	3500K	Standard	4.6	548	119.1
<b>835HO</b>	3500K	High	8.6	1021	118.4
<b>840</b>	4000K	Standard	4.6	558	121.3
<b>840HO</b>	4000K	High	8.6	1040	120.6

## Indirect 90 CRI

<b>927</b>	2700K	Standard	4.6	421	91.5
<b>927HO</b>	2700K	High	8.6	784	90.9
<b>930</b>	3000K	Standard	4.6	490	106.5
<b>930HO</b>	3000K	High	8.6	914	106.0
<b>935</b>	3500K	Standard	4.6	493	107.2
<b>935HO</b>	3500K	High	8.6	918	106.4
<b>940</b>	4000K	Standard	4.6	498	108.3
<b>940HO</b>	4000K	High	8.6	928	107.6



## Length

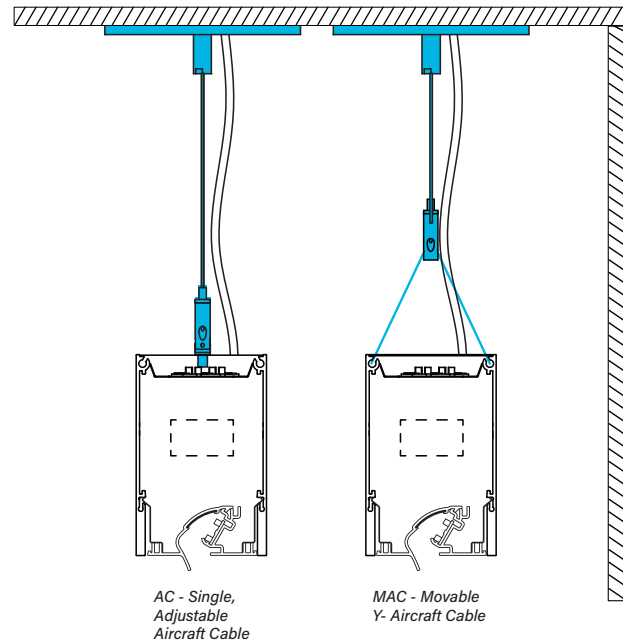
- All individual units cannot be joined, end plates are factory installed and cannot be removed
- For continuous runs, add 1/4" (6.4mm) for each end plate or 1/2" (12.7mm) to the overall length of the row

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'
24" (609.6mm)						
	36" (914.4mm)					
		48" (1219.2mm)				
			60" (1524mm)			
				72" (1828.8mm)		
					96" (2438.4mm)	
						Specify to the 1' >>>

## Mounting

- Specify cable length in ordering code (AC48G1)
- Standard specifiable lengths are 48", 120", 240" and 350"
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4" (1219.2mm) and 8" (2438.4mm) centers
- Maximum movable mounting locations are 12" from end of 4' fixture and 18" from end of 8' fixture
- Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies
- Canopies and pendants match fixture finish, power cords are white, grey, or black depending on fixture finish. See Finish section for additional details
- Approved for dry/damp location unless otherwise noted
- Refer to installation instructions during installation at the job site
- Maximum fixture weight is 25 lbs for a standard 4' fixture
- AC\_\_GS and MAC\_\_GS – works with screw slot and bolt slot grid ceiling types

<b>AC__G1</b>	Aircraft Cable 1" (15/16") T-Bar
<b>AC__G9</b>	Aircraft Cable 9/16" T-Bar
<b>AC__GS</b>	Aircraft Cable Screw Slot T-Bar
<b>AC__JB</b>	Aircraft Cable Junction Box
<b>AC__ST</b>	Aircraft Cable Structure
<b>AC5__G</b>	Aircraft Cable 5" (127mm) Non-Power Canopy
<b>AC5__JB</b>	Aircraft Cable 5" (127mm) Non-Power Canopy
<b>SQ__G</b>	Aircraft Cable 5" (127mm) Square Canopy
<b>SQ__JB</b>	Aircraft Cable 5" (127mm) Square Canopy
<b>MAC__G1</b>	Moveable AC 1" (15/16") T-Bar
<b>MAC__G9</b>	Moveable AC 9/16" T-Bar
<b>MAC__GS</b>	Moveable AC Screw Slot T-Bar
<b>MAC__JB</b>	Moveable AC Junction Box
<b>MAC__ST</b>	Moveable AC Structure
<b>MAC5__G</b>	Moveable AC 5" (127mm) Non-Power Canopy
<b>MAC5__JB</b>	Moveable AC 5" (127mm) Non-Power Canopy
<b>MSQ__G</b>	Moveable AC 5" (127mm) Square Canopy
<b>MSQ__JB</b>	Moveable AC 5" (127mm) Square Canopy





## Voltage

- Some EX3B-WW 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 = OL2
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some EX3B-WW configurations will not accommodate all driver options; consult with factory

<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>	Advance Xitanium 1%, 0-10v
<b>PS1</b>	Advance Xitanium Step Dimming 50%/100%
<b>ND</b>	Non-Dimming

## How to specify Circuiting, Battery and Emergency

- Select fixture circuiting from options below
  - Some EX3B-WW 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

- Battery and emergency section options are available in addition to fixture circuit
  - Select battery and emergency section options below; factory shop drawing required
  - Some EX3B-WW 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 and requires an additional drop
- 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' or 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

<b>0</b>	No battery
<b>_P</b>	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>	Bodine GTD, Generator Transfer Device section

#### For Approximate Battery Lumen Output

- Multiply battery wattage X fixture LPW shown on Lumen Table
- $92.3 \text{ (LPW)} \times 10 \text{ (watts)} = 923 \text{ battery lumen output}$

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

## Fixture Options

- Additional options to enhance the fixture and finish of the product
- Consult factory for MR16 configurations
- Specify CC-C to match housing. If not specified, canopy will be standard matte white.

<b>MRF</b>	Fixed MR16 Halogen
<b>LMRF</b>	Fixed MR16 LED
<b>LC</b>	Clear Lens
<b>B</b>	Baffle

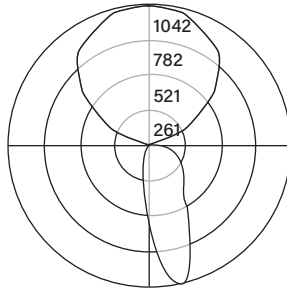
## Controls

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

## Photometrics

### Wall Wash - Open

Test #	ITL82933/86580
Catalog #	EX3BWW-O-840-840-4
Lumens	3652 lm
Watts	41.4 W
Efficacy	88 LPW



### Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	566	566	566	566	566
5	793	762	731	649	567
15	1038	1018.5	999	776.5	554
25	709	817.5	926	724.5	523
35	470	540.5	611	543.5	476
45	373	390.5	408	410	412
55	316	313	310	323	336
65	252	247.5	243	245.5	248
75	173	170	167	162	157
85	122	109	96	68.5	41
90	95	82.5	70	35	0
100	23	22.5	22	35.5	49
110	95	120.5	146	175	204
120	256	287.5	319	348	377
130	470	490	510	518.5	527
140	628	650	672	661	650
150	748	746	744	743.5	743
160	803	807	811	808.5	806
170	846	846	846	845	844
180	856	856	856	856	856

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	19863	24754	38090
55	17529	20173	38166
65	15064	17628	38018
75	11594	14172	38816
85	9636	10185	28408



## Applications & Certificates

**Construction:** 6063-T5 Extruded aluminum housing. Highly reflective die-formed white painted reflector.

**Shielding:** Diffuse snap-in acrylic lens, removable for maintenance. Clear dust guard offered standard with fixture.

**Mounting:** Aircraft cable and wall mount available. Select from 2 aircraft cable options. Select the straight aircraft cable that mounts on 4'-0" (1219.2mm) and 8'-0" (2438.4mm) centers or the moveable adjustable Y-cable mount. The Y-Cable design allows for adjustable mounting locations. Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies. Refer to installation instructions for appropriate ceiling detail. Canopies are painted white unless otherwise specified. Maximum fixture weight is 25 lbs for a standard 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. 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. 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. 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 EX configurations will not accommodate all voltage options; consult with factory.

**Driver:** Standard Driver Option is Osram 0-10V, 1% = OL2. 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 94°F/35°C. For more driver options, see Pinnacle Resource Guide. Some EX configurations will not accommodate all driver options.

**Circuiting:** Select from single circuit (1), dual circuit (2), Multi circuit (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 remote to fixture. For more Battery options, see Pinnacle Resource Guide.

**Finish:** Standard powder-coat textured white, metallic silver, graphite, textured black or bronze painted finish; consult factory for chip of standard paint finishes. Canopies painted white unless specified differently in the options section of the part number. Contact factory for additional custom color and finish options.

**MR16:** Ideal for conference rooms, corridors, wall washing, retail spaces and training facilities where accent lighting is required. Fully enclosed compartment eliminates light from entering into our fixture areas. For LED and Halogen lamps (lamps are not included). Consult factory for other lamp types. Standard 60 watt max LED electronic transformer (120v or 277v), 50 watt max halogen lamp electronic transformer (120v or 277v), MR16 installed as an independent circuit. MR16 to match fixture voltage. 277v dimmer must be sourced. Consult factory for MR16 configurations. Pinnacle's MR16 applications are to be used with Soraa lamps with a maximum of 13 transformers on one circuit.

**Controls:** Specify PD for daylight sensor, requires 0-10v driver. Some EX configurations will not accommodate all control options, consult with factory.

**Labels:** UL and cUL Listed. Standard and HO lumen packages are approved for dry/damp location unless otherwise noted.

**Fixture Weight:** Maximum fixture weight is 25 lbs for a standard 4' fixture.

**Buy American Act Compliant**

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