

EDGE EX3B-WW

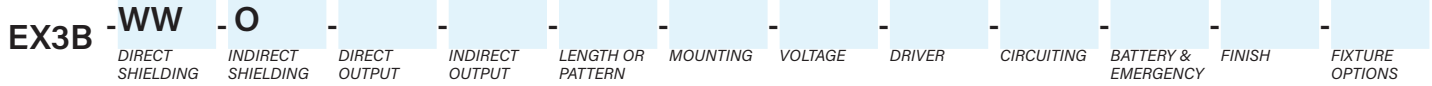
3" Suspended Bidirectional Linear Wall Wash

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



WW	O	-----	
DIRECT SHIELDING	INDIRECT SHIELDING	DIRECT CRI, CCT & OUTPUT	INDIRECT CRI, CCT & OUTPUT
WW - Wall Wash <i>Shielding pg. 2</i>	O - Open <i>Shielding pg. 2</i>	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K CL - Custom Lumens CW - Custom Watts <i>Lumen Output pg. 2</i> Example: 830HO is 8 = 80 CRI; 30 = 3000K; HO = High Output; Blank = Standard Output	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K CL - Custom Lumens CW - Custom Watts <i>Lumen Output pg. 2</i>

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LENGTH ¹	MOUNTING ²	VOLTAGE	DRIVER
___ - Individual Fixture ___ - Continuous Row <i>Length pg. 3</i>	_AC_ _G_ - (M)AC to Grid _AC_ _JB_ - (M)AC to J Box _AC_ _ST_ - (M)AC to Structure _AC5_ _G_ - 5" Non-Power Canopy _AC5_ _JB_ - 5" Non-Power Canopy _SQ_ _G_ - 5" Square Canopy _SQ_ _JB_ - 5" Square Canopy <i>Mounting pg. 3</i>	U - Universal <i>(120 thru 277V)</i> 1 - 120V 2 - 277V 3 - 347V <i>Voltage pg. 4</i>	FSD - Factory Select Driver (1%, 0-10v) PL2 - Advance Xitanium (1%, 0-10v) OL4 - Osram 347v (1%, 0-10v) EE1 - eldoLED ECOdrive (1%, 0-10v) ES1 - eldoLED SOLOdrive (0%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) PS1 - Advance Xitanium (50%/100%) OL2 - Osram (1%, 0-10v) <i>Driver pg. 4</i>

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CIRCUITING	BATTERY & EMERGENCY ³	FINISH	FIXTURE OPTIONS ⁴
1 - Single Circuit 2 - Dual Circuit M - Multi Circuit E - Emergency <i>(entire fixture)</i> N - Night Light <i>(entire fixture)</i> <i>Circuiting pg. 5</i>	0 - None FSG - Factory Select ALCR GI - Iota ETS DR GB - Bodine GTD PLL - Bodine 10W Integral ILL - Iota 10W Integral (CEC Listed) E - Emergency Circuit Section N - Night Light Circuit Section L - Life Safety Circuit Section <i>Battery and Emergency pg. 5</i>	W - White S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 5</i>	MRF - Fixed MR16 (Halogen) LMRF - Fixed MR16 (LED) CL - Clear Lens DSP - Customer Supplied Battery/Driver/ Sensor B - Baffle <i>Fixture Options pg. 5</i>

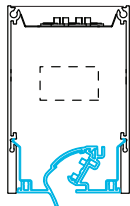
¹ Individual fixtures come in 2', 3', 4', 5', 6' & 8' lengths. Continuous row come in 1' increments. For Mod layouts Specify pattern shape and overall dimensions. Example: L6x4: L pattern that is 6'x4' ² Specify AC Cable: Standard single AC = AC or Movable AC = MAC; Specify AC length standard AC is 48'; Specify grid: G1=15/16", G9=9/16", GS=Screw Slot. Example: AC48G1 ³Enter quantity for Battery and Emergency, Example 2P. ⁴MRF, and LMRF options only available with 120v.

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.



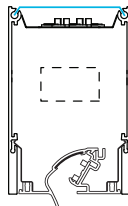
Direct Shielding

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 WW Wall Wash	
				Lumens/ft	LPW
830	3000K	Standard	6.0	329	54.6
830HO	3000K	High	10.3	511	49.7
835	3500K	Standard	6.0	343	56.9
835HO	3500K	High	10.3	534	52.0
840	4000K	Standard	6.0	352	58.4
840HO	4000K	High	10.3	548	53.3

Direct 90 CRI

927	2700K	Standard	6.0	270	44.8
927HO	2700K	High	10.3	420	40.9
930	3000K	Standard	6.0	304	50.5
930HO	3000K	High	10.3	471	45.8
935	3500K	Standard	6.0	309	51.3
935HO	3500K	High	10.3	481	46.8
940	4000K	Standard	6.0	314	52.1
940HO	4000K	High	10.3	489	47.6

Indirect 80 CRI

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

Indirect 90 CRI

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

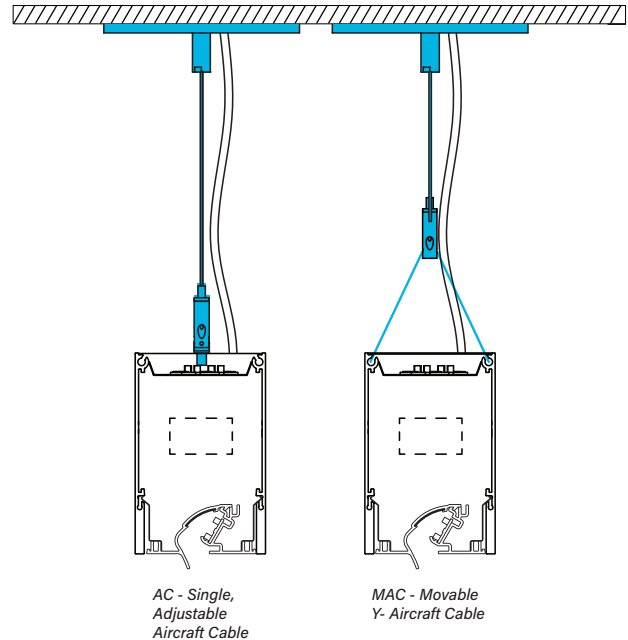
2	3	4	5	6	8	—
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run <i>Specify nominal overall row length to the 1'</i>
24" (609.6mm)						
	36" (914.4mm)					
		48" (1219.2mm)				
			60" (1524mm)			
				72" (1828.8mm)		
					96" (2438.4mm)	

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
- Designed to be 12"-18" away from wall for optimal performance

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





Voltage

- Some EX3B-WW 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 EX3B-WW 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% Logarithmic
ES2	eldoLED SOLOdrive 0-10v, 0% Linear

DALI Drivers

EE3	eldoLED SOLOdrive .1%, DALI (logarithmic)
EE4	eldoLED SOLOdrive .1%, DALI (linear)
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

How to specify Circuiting, Battery and Emergency

1

- Select fixture circuiting from options below
- Some EX3B-WW configurations will not accommodate all circuiting options, consult with factory

Circuiting

1	Single Circuit
2	Dual Circuit
M	Multi Circuit
E	Emergency Circuit only
N	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 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
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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

0	No Battery
_IC	Iota 10w Integral
_ILL	Iota 10w Integral Lithium, Self Testing
_IRH	Iota 20w Remote
_P	Bodine 10w Integral
_PLL	Bodine 10w Integral Lithium, Self Testing
_PRH	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

_FSG	Factory Select ALCR, Automatic Load Control Relay
_GI	Iota ETS DR, Emergency Lighting Control Device
_GB	Bodine GTD, Emergency Lighting Control Device
_E	Emergency circuit section
_N	Night Light circuit section
_L	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

W	White (<i>white cord/white canopy</i>)
S	Metallic Silver (<i>grey cord/silver canopy</i>)
BL	Textured Black (<i>black cord/black canopy</i>)
BR	Bronze (<i>white cord/bronze canopy</i>)
GR	Graphite (<i>white cord/graphite canopy</i>)
CC	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

MRF	Fixed MR16 Halogen (<i>only available with 120v</i>)
LMRF	Fixed MR16 LED (<i>only available with 120v</i>)
LC	Clear Lens
DSP	Customer Supplied Battery/Driver/Sensor
B	Baffle

Controls

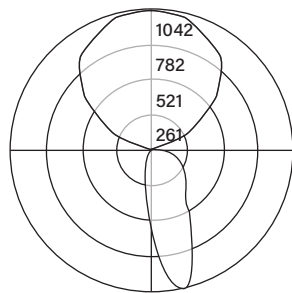
- Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.



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

For all available IES files, please visit our website at 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. 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.

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 OL4 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 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 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), 50 watt max halogen lamp electronic transformer (120v), MR16 installed as an independent circuit. MR16 to match fixture voltage. 277v not available. 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.

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