

EDGE EX6B

6" Suspended Bidirectional Linear

Key Features

- 6063-T5 Extruded aluminum housing
- Highly reflective die-formed white painted reflector
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed
- Approved for dry/damp location unless otherwise noted
- Maximum fixture weight is 28 lbs for a standard 4' fixture
- Room-Side Maintenance for LED system
- Buy American Act compliant



Example Part #: EX6B-A-O-830HO-830-26'-AC48G1-U-OL2-1-0-W

EX6B	-	O	-	-	-	-	-	-	-	-	-	-	-	-
	DIRECT SHIELDING	INDIRECT SHIELDING	DIRECT OUTPUT	INDIRECT OUTPUT	LENGTH OR PATTERN	MOUNTING	VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	FIXTURE OPTIONS	CONTROLS	

DIRECT SHIELDING		INDIRECT SHIELDING		DIRECT CRI, CCT & OUTPUT ¹		INDIRECT CRI, CCT & OUTPUT ¹	
A - Satine Lens	AL - Drop Lens <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>		
						CL - Custom Lumens	CW - Custom Watts <i>Lumen Output pg. 2</i>

LENGTH OR PATTERN ²	MOUNTING ³	VOLTAGE	DRIVER	CIRCUITING
--- - Individual Fixture	AC_G - (M)AC to Grid	U - Universal (120 thru 277V)	FSD - Factory Select Driver (1%, 0-10v)	1 - Single Circuit
--- - Continuous Row	AC_JB - (M)AC to J Box	1 - 120V	PL2 - Advance Xitanium (1%, 0-10v)	2 - Dual Circuit
L_X - L Shape	AC_ST - (M)AC to Structure	2 - 277V	OL2 - Osram (1%, 0-10v)	M - Multi Circuit
R_X - Rectangle	WA - Wall Mount	3 - 347V <i>Voltage pg. 4</i>	OL4 - Osram 347v (1%, 0-10v)	E - Emergency <i>(entire fixture)</i>
S - Square	AC5_G - 5" non-power canopy		EE1 - eldoLED ECOdrive (1%, 0-10v)	N - Night Light <i>(entire fixture)</i>
U_X - U-Shape	AC5_JB - 5" non-power canopy		ES1 - eldoLED SOLOdrive (0.7%, 0-10v)	<i>Circuiting pg. 5</i>
M - Mod Layout <i>Length and Pattern pg. 2-3</i>	SQ_G - 5" square canopy		LH1 - Lutron Hi-lume (1%, EcoSystem)	
	SQ_JB - 5" square canopy <i>Mounting pg. 3</i>		PS1 - Advance Xitanium (50%/100%) <i>Driver pg. 4</i>	

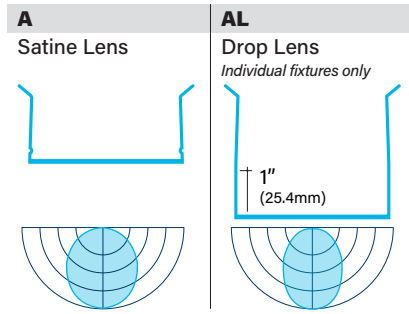
BATTERY & EMERGENCY ⁴	FINISH	FIXTURE OPTIONS ⁵	CONTROLS
O - None	W - White	MRF - Fixed MR16 (Halogen)	<i>Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.</i>
FSB - Factory Select Battery	S - Metallic Silver	LMRF - Fixed MR16 (LED)	
FSG - Factory Select ALCR	BL - Textured Black	XLED - Fixed Xicato (LED)	
GI - Iota ETS DR	BR - Bronze	MRA - Adjustable MR16 (Halogen)	
GB - Bodine GTD	GR - Graphite	DSP - Customer Supplied Battery/Driver/ Sensor	
IC - Iota 10W Integral (CEC Listed)	CC - Custom Color <i>Finish pg. 5</i>	LMRA - Adjustable MR16 (LED) <i>Fixture Options pg. 5</i>	
P - Bodine 10W Integral			
E - Emergency Circuit Section			
N - Night Light Circuit Section			
L - Life Safety Circuit Section <i>Battery and Emergency pg. 5</i>			

¹When specifying CRI- CCT & 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. ²Individual 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'. ³Specify 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 ⁴Enter quantity for Battery and Emergency, Example 2P. ⁵MRF, and LMRF options not available with 277v.

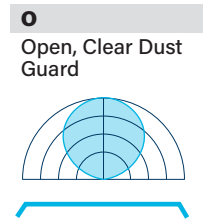
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Direct Shielding



Indirect Shielding



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

CL _____	Specify CRI, CCT and desired lumens (i.e. CL835700)	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 <i>per foot</i>	Direct Shielding				Indirect Shielding	
				A Satine		AL Drop		O Open	
				Lumens/ft	LPW	Lumens/ft	LPW	Lumens/ft	LPW
830	3000K	Standard	4.3	419	96.6	478	110.2	556	128.2
830HO	3000K	High	8.9	791	88.8	910	102.1	1053	118.1
835	3500K	Standard	4.3	431	99.4	491	113.2	572	131.9
835HO	3500K	High	8.9	814	91.3	936	105.0	1083	121.5
840	4000K	Standard	4.3	439	101.2	501	115.5	583	134.4
840HO	4000K	High	8.9	830	93.1	954	107.0	1104	123.9

90 CRI

927	2700K	Standard	4.3	331	76.3	377	86.9	439	101.2
927HO	2700K	High	8.9	625	70.1	719	80.7	832	93.4
930	3000K	Standard	4.3	386	89.0	441	101.7	513	118.3
930HO	3000K	High	8.9	729	81.8	839	94.1	970	108.8
935	3500K	Standard	4.3	388	89.5	442	101.9	515	118.7
935HO	3500K	High	8.9	732	82.1	842	94.5	974	109.3
940	4000K	Standard	4.3	392	90.4	447	103.1	521	120.1
940HO	4000K	High	8.9	741	83.1	851	95.5	985	110.5

Length

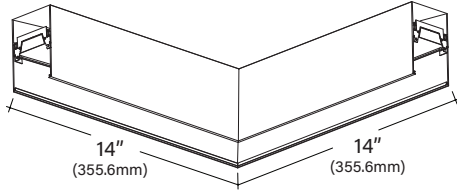
- All individual units cannot be joined, end plates are factory installed and cannot be removed
- Add 1/2" (12.7mm) to the overall length of the Continuous Runs to account for end caps
- For patterns refer to Pattern section on next page

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' >>>

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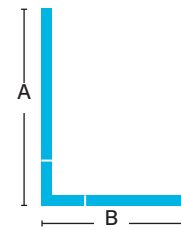
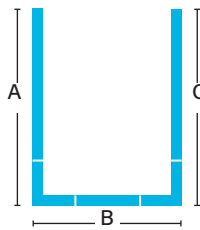
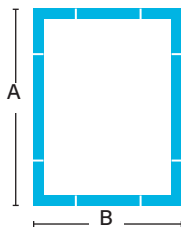
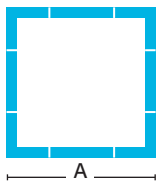


Pattern



- Specify pattern shape and overall dimensions (includes corner dimensions)
- Refer to dimensions table below for available standard lengths
- All connectors are direct only
- 90 degree horizontal corners are 14"x14" (overall, outside dimension)
- Angles and shapes not shown require Mod Pattern; consult factory
- Not all drivers available with all patterns; consult factory
- Only available with A Lens

S_	R_x	U_x_x	L_x	M
Square Provide A dimension Example: S4' Nominal Lengths 4'x4' Minimal Length- 4'4"x4'4"	Rectangle Provide AxB dimensions Example: R4'x4' Nominal Lengths 4'x4' Minimal Length- 4'4"x4'4"	U-Shape Provide AxBxC dimensions Example: U3'x4'x3' Nominal Lengths 3'x4'x3' Minimal Length- 3'2"x4'4"x3'2"	L-Shape Provide AxB dimensions Example: L3'x3' Nominal Lengths 3'x3' Minimal Length- 3'2"x3'2"	Mod Layout For patterns or lengths not shown or standard

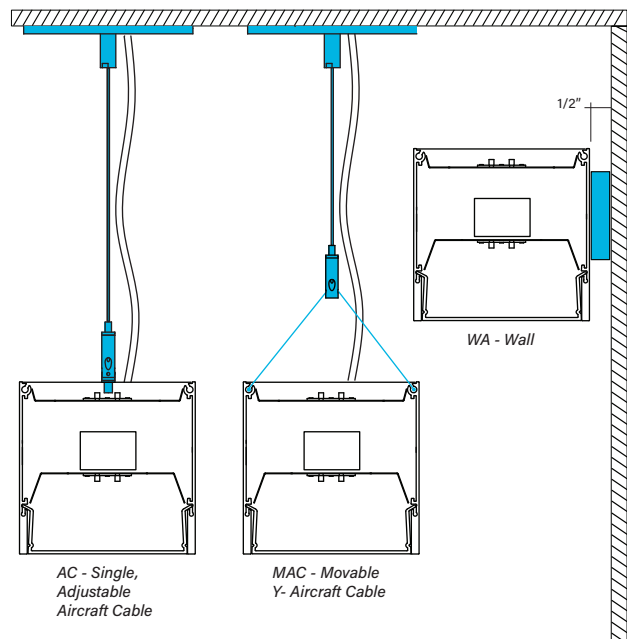


Mounting

- Specify cable length in ordering code (AC48G1)
- Standard specifiable lengths are 48", 120", 240" and 350"
- End plates and standard white 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 28 lbs for a standard 4' fixture
- AC__GS and MAC__GS - works with screw slot and bolt slot grid ceiling types

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
WA	Wall Mount



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Voltage

- Some EX6B 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 EX6B 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

How to specify Circuiting, Battery and Emergency

- Select fixture circuiting from options below
 - Some EX6B configurations will not accommodate all circuiting options, consult with factory

Circuiting

1	Single Circuit
2	Dual Circuit (<i>direct/indirect</i>)
M	Multi Circuit
E	Emergency Circuit only
N	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 EX6B 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 1E*
- 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' or 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

0	No Battery
_FSB	Factory Select Battery (10w option)
_FSBST	Factory Select Battery (10w, Self Testing)
_IC	lota 10w Integral
_ILL	lota 10w Integral Lithium, Self Testing
_IRH	lota 20w Remote
_P	Bodine 10w Integral
_PRH	Bodine 20w Remote
_PLL	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

_FSG	Factory Select Automatic Load Control Relay (ALCR), UNV
_GI	Emergency Transfer Switch (ETS) DR Emergency Control Device, UNV
_GB	Bodine GTD, Generator Transfer Device, 120v or 277v
_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

MRA	Adjustable MR16 Halogen
LMRA	Adjustable MR16 LED
XLED	Fixed Xicato LED
MRF	Fixed MR16 Halogen
DSP	Customer Supplied Battery/Driver/Sensor
LMRF	Fixed MR16 LED

Controls

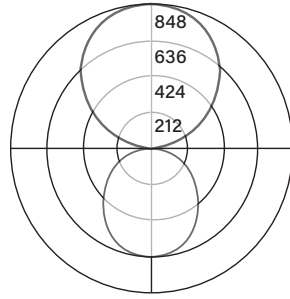
- Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.



Photometrics

Satine - Open

Test #	ITL86588
Catalog #	EX6B-A-O-40-40-4
Lumens	4088 lm
Watts	34.7 W
Efficacy	118 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	639	639	639	639	639
5	635	635	635	636	635
15	610	607	609	609	607
25	561	555	557	556	554
35	492	486	487	485	482
45	406	401	403	399	397
55	313	309	309	307	306
65	216	214	214	213	211
75	122	120	121	120	119
85	37	36	35	35	35
95	9	8	4	4	4
105	113	114	104	106	104
115	278	276	275	281	278
125	441	436	441	442	445
135	585	577	580	579	580
145	695	681	687	684	683
155	772	761	766	763	761
165	820	814	817	815	815
175	844	844	844	844	844
180	848	848	848	848	848

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3701	3673	3626
55	3519	3473	3439
65	3298	3267	3220
75	3048	3023	2972
85	2716	2565	2565

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 movable 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 28 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. 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 = 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.

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 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 86°F/30°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 integral 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: Consult factory.

Labels: UL and cUL 1598 listed. Standard and HO lumen packages are approved for dry/damp location unless otherwise noted.

Fixture Weight: Maximum fixture weight is 28 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.