

EDGE EX33N

3"x 3" Suspended Indirect Linear

Key Features

- 6063-T5 Extruded aluminum housing
- Highly reflective die-formed white painted reflector
- Wiring access available through top of housing
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed
- Approved for dry/damp location unless otherwise noted
- Maximum weight is 15 lbs. for a standard 4' fixture
- Buy American Act Compliant



Example Part #: EX33-N-O-830HO-26'-AC48G1-U-OL1-1-0-W

EX33 - **N** - **O** - _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____
DIRECT SHIELDING INDIRECT SHIELDING CRI, CCT & OUTPUT LENGTH MOUNTING VOLTAGE DRIVER CIRCUITING BATTERY & EMERGENCY FINISH FIXTURE OPTIONS

N	O	-----	----
DIRECT SHIELDING	INDIRECT SHIELDING	CRI, CCT & OUTPUT	LENGTH ¹
N - None <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> <i>Example: 830HO is 8 = 80 CRI; 30 = 3000K; HO = High Output; Blank = Standard Output</i>	--- - Individual Fixture --- - Continuous Row <i>Length pg. 2</i>
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MOUNTING ²	VOLTAGE	DRIVER	CIRCUITING
AC__G - AC to Grid AC__JB - AC to J Box AC__ST - 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 WA - Wall Mount <i>Mounting pg. 3</i>	U - Universal (120 thru 277V) 1 - 120V 2 - 277V 3 - 347V <i>Voltage pg. 3</i>	OL2 - Osram (1%, 0-10v, standard) OL3 - Osram 347v (10%, 0-10v) EE1 - eldoLED ECOdrive (1%, 0-10v) ES1 - eldoLED SOLOdrive (0%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) L51 - Lutron 5-Series (5%, EcoSystem) PL2 - Advance Xitanium (1%, 0-10v) PS1 - Advance Xitanium (50%/100%) ND - Non-Dimming <i>Driver pg. 4</i>	1 - Single Circuit M - Multi Circuit E - Emergency (entire fixture) N - Night Light (entire fixture) <i>Circuiting pg. 4</i>
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BATTERY & EMERGENCY ³	FINISH	CONTROLS	
0 - None _PL - Bodine 10W Integral (low profile) _IL - Iota 10W Integral (low profile) _E - Emergency Section _N - Night Light Section _L - Life Safety Section _G - Bodine GTD <i>Battery and Emergency pg. 4</i>	W - White S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 4</i>	<i>Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.</i>	

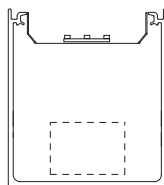
¹ Individual fixtures come in 2', 3', 4', 5', 6', 8' & 12' lengths. Continuous row come in 1' increments. ² Example AC48G9 = 48" AC to G9 grid. Specify AC length, 48", 120, 240". Specify grid: G1=15/16", G9=9/16", GS=Screw Slot. ³ Enter quantity for Battery and Emergency, Example 2PL.

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



Direct Shielding

N
None



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. 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 per foot	Shielding	
				O Open Lumens/ft	LPW
830	3000K	Standard	4.7	526	113.1
830HO	3000K	High	8.5	966	113.3
835	3500K	Standard	4.7	524	112.7
835HO	3500K	High	8.5	994	116.6
840	4000K	Standard	4.7	552	118.7
840HO	4000K	High	8.5	1013	118.8

90 CRI

927	2700K	Standard	4.7	416	89.5
927HO	2700K	High	8.5	763	89.5
930	3000K	Standard	4.7	485	104.3
930HO	3000K	High	8.5	890	104.4
935	3500K	Standard	4.7	472	101.5
935HO	3500K	High	8.5	894	104.9
940	4000K	Standard	4.7	493	106.0
940HO	4000K	High	8.5	904	106.0

Length

- All individual units cannot be joined, SJT Cpred and end plates are factory installed and cannot be removed
- For Continuous Runs, add 1/16" (1.6mm) for each end plate or 1/8" (3.2mm) to the overall length of the row

2	3	4	5	6	8	12	—
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run Specify nominal overall row length to the 1'
24-1/8" (612.7mm)							
36-1/8" (917.6mm)							
48-1/8" (1222.4mm)							
60-1/8" (1527.2mm)							
72-1/8" (1831.9mm)							
96-1/8" (2441.6mm)							
144-1/8" (3660.8mm)							

Specify to the 1' >>>

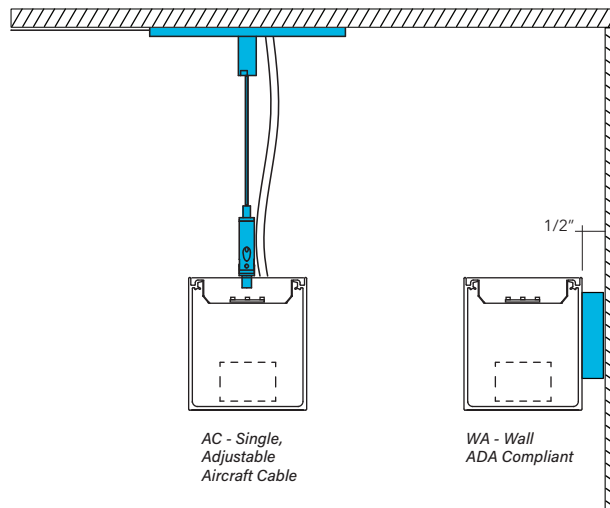


Mounting

- Specify cable length in ordering code (AC48G1)
- Standard 48" adjustable cable. Specify up to 350"
- End plates and standard white power cord attached at factory
- Aircraft cable (AC) mounts on 4" (1219.2mm) and 8" (2438.4mm) centers
- Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies

- Pendant pipe are 12", 18" or 24"
- 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 15 lbs for a standard 4' fixture

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
WA	Wall Mount



Voltage

- Some EX33 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 = OL2
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some EX33 configurations will not accommodate all driver options; consult with factory

OL2	Osram Optotronic 1%, 0-10v, nominal 1% dimming range
OL3	Osram Optotronic 347v 10%, 0-10v, requires 347v option
EE1	eldoLED ECOdrive 1%, 0-10v Logarithmic
ES1	eldoLED SOLOdrive 0%, 0-10v Logarithmic
PL2	Advance Xitanium 1%, 0-10v
PS1	Advance Xitanium Step Dimming 50%/100%
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
L51	Lutron 5-Series 5%, EcoSystem, LDE5
ND	Non-Dimming



How to specify Circuiting, Battery and Emergency

1

- Select fixture circuiting from options below
- Some EX33 configurations will not accommodate all circuiting options, consult with factory

Circuiting

1	Single 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 EX33 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 2PL*
- 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', 8' and 1/3" of fixture for 12' housing lengths
- For more battery options available, see Pinnacle Resource Guide

0	No battery
_PL	Bodine 10w Integral <small>(low profile)</small>
_IL	Iota 10w Integral <small>(low profile)</small>

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

_E	Emergency circuit section
_N	Night Light circuit section
_L	Life Safety circuit section NO THROUGH WIRE
_G	Bodine GTD, Generator Transfer Device section

Battery OR Emergency Ordering Examples

- Single circuit, 10w Integral Battery Ordering Code: 1-1PL
- Emergency only, 10w Integral Battery Ordering Code: E-1PL
- Single circuit, GTD required Ordering Code: 1-1G

Combination Section Ordering Examples

- Single circuit, (1) 10w battery, (1) emergency section Ordering Code: 1-1PL1E
- Multi circuit, (2) 10w battery, (2) emergency sections Ordering Code: M-2PL2E
- 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 <small>(white cord/white canopy)</small>
S	Metallic Silver <small>(grey cord/silver canopy)</small>
BL	Textured Black <small>(black cord/black canopy)</small>
BR	Bronze <small>(white cord/bronze canopy)</small>
GR	Graphite <small>(white cord/graphite canopy)</small>
CC	Custom Color <small>(white cord/color match canopy)</small>

Controls

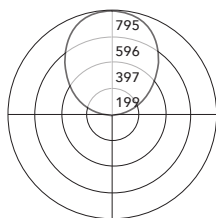
- Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.



Photometrics

Open

Test # ITL86771
 Catalog # EX33-N-0-840-4
 Lumens 2207 lm
 Watts 18.6 W
 Efficacy 119 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
90	0	0	0	0	0
95	11	8	6	4	4
100	51	47	33	32	33
105	118	115	93	84	84
110	201	195	185	168	167
115	277	273	267	264	265
120	356	348	347	346	352
125	429	422	422	420	424
130	495	487	487	487	489
135	553	546	546	545	546
140	605	597	599	597	596
145	650	642	645	642	640
150	689	682	686	683	680
155	721	714	718	715	714
160	747	740	744	742	741
165	766	762	764	763	763
170	780	779	777	779	779
175	790	790	789	790	790
180	795	795	795	795	795

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: Clear dust guard standard for indirect component.

Mounting: Aircraft cable and wall mount available. The aircraft cable mounts on 4'-0" (1219.2mm) and 8'-0" (2438.4mm) centers. 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 15 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. 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. 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 condi-

tions. Ambient operating range: -20°F/-30°C to 114°F/46°C. For more driver options, see Pinnacle Resource Guide. Some EX 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). 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.

Controls: Consult 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 15 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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