

# EDGE EX44N

4" x 4" 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 #: EX44-N-O-830HO-26'-AC48G1-U-OL2-1-0-W

**EX44 - N - O - CRI, CCT & OUTPUT - LENGTH - MOUNTING - VOLTAGE - DRIVER - CIRCUITING - BATTERY & EMERGENCY - FINISH - FIXTURE OPTIONS**

N	O	-----	----
DIRECT SHIELDING	INDIRECT SHIELDING	CRI, CCT & OUTPUT	LENGTH <sup>1</sup>
<b>N</b> - None <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>  <i>Example: 830HO is 8 = 80 CRI; 30 = 3000K; HO = High Output; Blank = Standard Output</i>	<b>_ _ _</b> - Individual Fixture <b>_ _ _</b> - Continuous Row <i>Length pg. 2</i>
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MOUNTING <sup>2</sup>	VOLTAGE	DRIVER	CIRCUITING
<b>AC_ _ G_</b> - AC to Grid <b>AC_ _ JB</b> - AC to J Box <b>AC_ _ ST</b> - 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 <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>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. 4</i>	<b>1</b> - Single Circuit <b>M</b> - Multi Circuit <b>E</b> - Emergency (entire fixture) <b>N</b> - Night Light (entire fixture) <i>Circuiting pg. 4</i>
---	--	CONTROLS	
BATTERY & EMERGENCY <sup>3</sup>	FINISH	CONTROLS	
<b>0</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 Section <b>_N</b> - Night Light Section <b>_L</b> - Life Safety 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. 4</i>	<i>Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.</i>	

<sup>1</sup> Individual fixtures come in 2', 3', 4', 5', 6', 8' & 12' lengths. Continuous row come in 1' increments <sup>2</sup> 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.

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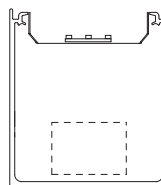


Direct Shielding

Indirect Shielding

**N**  
None

**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

<b>CL</b> _____	Specify CRI, CCT and desired lumens (i.e. CL835700)	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

	Color	Output	Watts per foot	Shielding <b>O</b> Open	
				Lumens/ft	LPW
<b>830</b>	3000K	Standard	4.7	542	116.6
<b>830HO</b>	3000K	High	8.6	1003	117.3
<b>835</b>	3500K	Standard	4.7	557	119.8
<b>835HO</b>	3500K	High	8.6	1032	120.7
<b>840</b>	4000K	Standard	4.7	568	122.2
<b>840HO</b>	4000K	High	8.6	1051	122.9

90 CRI

<b>927</b>	2700K	Standard	4.7	428	92.0
<b>927HO</b>	2700K	High	8.6	792	92.6
<b>930</b>	3000K	Standard	4.7	500	107.5
<b>930HO</b>	3000K	High	8.6	924	108.1
<b>935</b>	3500K	Standard	4.7	501	107.7
<b>935HO</b>	3500K	High	8.6	928	108.5
<b>940</b>	4000K	Standard	4.7	507	109.0
<b>940HO</b>	4000K	High	8.6	938	109.7

Length

- All individual units cannot be joined, SJT 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' >>>

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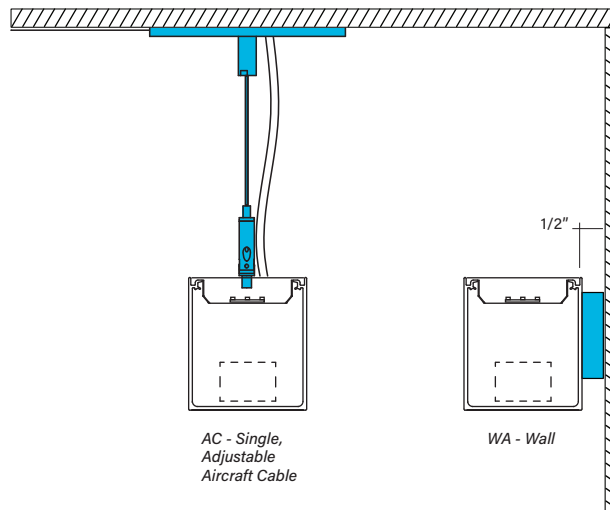


## Mounting

- 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

- 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

<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>WA</b>	Wall Mount



## Voltage

- Some EX44N 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 EX44N 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>ES1</b>	eldoLED SOLOdrive 0%, 0-10v Logarithmic
<b>PL2</b>	Advance Xitanium 1%, 0-10v
<b>PS1</b>	Advance Xitanium Step Dimming 50%/100%
<b>LH1</b>	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
<b>L51</b>	Lutron 5-Series 5%, EcoSystem, LDE5
<b>ND</b>	Non-Dimming



## How to specify Circuiting, Battery and Emergency

- 1**
- Select fixture circuiting from options below
  - Some EX44N configurations will not accommodate all circuiting options, consult with factory

### Circuiting

<b>1</b>	Single 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 EX44N 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 fixture is on battery for 6' or 8' and 1/3 for 12' 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>

#### For Approximate Battery Lumen Output

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

### 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

#### 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> )

### Controls

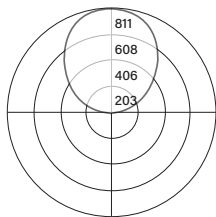
- Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.



Photometrics

Open

Test # ITL86775  
 Catalog # EX44-N-O-840-4  
 Lumens 2272 lm  
 Watts 18.6 W  
 Efficacy 122 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
90	0	0	0	0	0
95	11	8	4	3	4
100	52	48	34	28	25
105	121	117	106	95	87
110	200	199	189	190	196
115	283	280	268	274	282
120	365	355	356	356	363
125	434	431	432	432	437
130	508	503	498	501	505
135	572	562	562	561	564
140	622	613	615	615	614
145	671	660	663	660	662
150	711	701	704	701	700
155	744	735	737	735	734
160	769	762	765	762	761
165	789	783	786	784	783
170	803	799	801	799	800
175	809	808	809	808	809
180	811	811	811	811	811

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. 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](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 110°F/43°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), Life Safety (L) or Night Light circuit (N). For emergency circuiting situations that require no through wire or cir-cuit 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.

**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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