

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 - 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> |
| --- | --- | --- | --- |
| 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> | FSD - Factory Select Driver (1%, 0-10v) PL2 - Advance Xitanium (1%, 0-10v) OL2 - Osram (1%, 0-10v) OL4 - Osram 347v (1%, 0-10v) EE1 - eldoLED ECODrive (1%, 0-10v) ES1 - eldoLED SOLOdrive (0.1%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) PS1 - Advance Xitanium (50%/100%) <i>Driver pg. 3</i> | 1 - Single Circuit M - Multi Circuit E - Emergency (<i>entire fixture</i>) N - Night Light (<i>entire fixture</i>) <i>Circuiting pg. 4</i> |
| --- | --- | --- | --- |
| BATTERY & EMERGENCY ³ | FINISH | CONTROLS | |
| 0 - None _FSB - Factory Select Battery _FSG - Factory Select ALCR _GI - Iota ETS DR _GB - Bodine GTD _IC - Iota 10W Integral (CEC Listed) _P - Bodine 10W Integral _E - Emergency Section _N - Night Light Section _L - Life Safety Section <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 Specify AC length standard AC is 48"; Specify grid: G1=15/16", G9=9/16", GS=Screw Slot. Example AC48G1
³ Enter quantity for Battery and Emergency, Example 2P.

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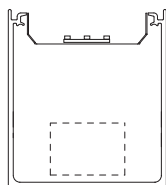


Direct Shielding

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

90 CRI

| | | | | | |
|--------------|-------|----------|-----|-----|-------|
| 927 | 2700K | Standard | 4.7 | 428 | 92.0 |
| 927HO | 2700K | High | 8.6 | 792 | 92.6 |
| 930 | 3000K | Standard | 4.7 | 500 | 107.5 |
| 930HO | 3000K | High | 8.6 | 924 | 108.1 |
| 935 | 3500K | Standard | 4.7 | 501 | 107.7 |
| 935HO | 3500K | High | 8.6 | 928 | 108.5 |
| 940 | 4000K | Standard | 4.7 | 507 | 109.0 |
| 940HO | 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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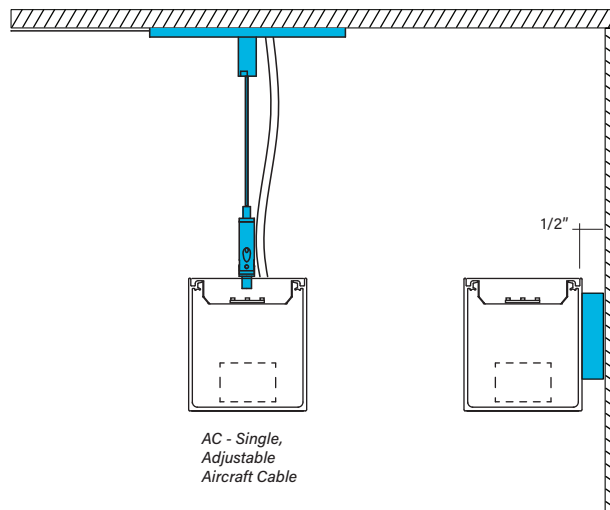


Mounting

- 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

| | |
|---------------|--|
| 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 |

- 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



Voltage

- Some EX44N configurations will not accommodate all voltage options; consult with factory

| | |
|----------|-----------|
| U | Universal |
| 1 | 120 volt |
| 2 | 277 volt |
| 3 | 347 volt |

Driver

WA - Wall

- Standard Driver Option = FSD
- 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

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

1

- Select fixture circuiting from options below
- Some EX44N 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 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

| | |
|---------------|--|
| 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>) |

Controls

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

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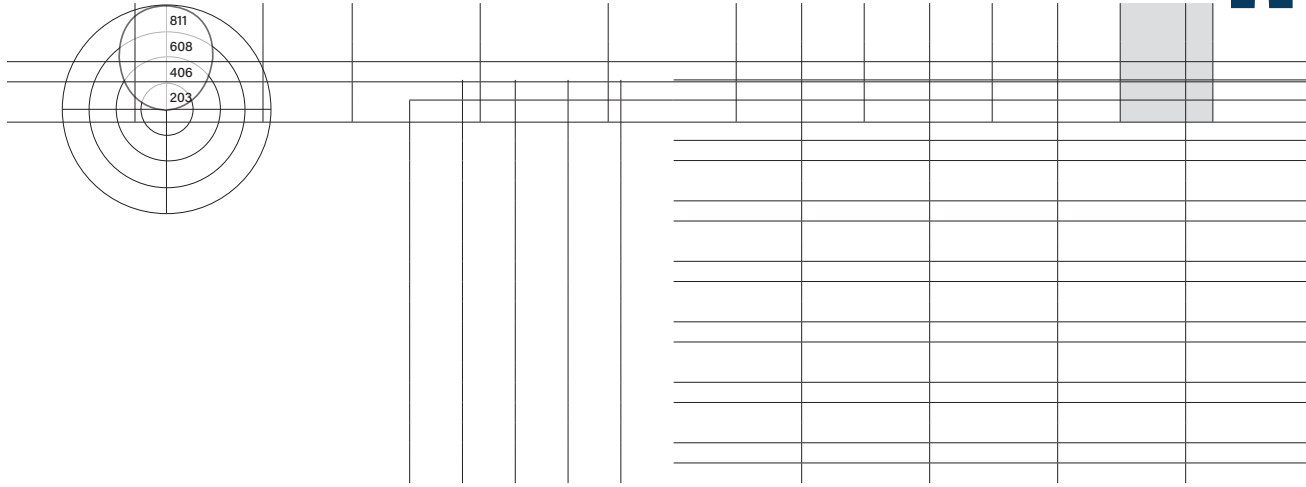
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EX44N_LED_SPEC_APRIL2023



Photometrics

Open



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. 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. 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 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 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.

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 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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