PINNACLE
ARCHITECTURAL LIGHTING®

Project Name _____

Date _____ Type _____

EDGE EX44
4"x 4" Suspended Direct Linear

4"
(101.6mm)

3-3/4" (95.3mm)
4-7/16" (112.7mm)

Key Features

- 6063-T5 Extruded aluminum housing
- Highly reflective die-formed white painted reflector
- Wiring access available through bottom 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

LED | 5 YEAR LED WARRANTY | c UL us | IC RATED | Made in AMERICA

Example Part #: EX44-A-N-830HO-26'-AC48G1-U-OL2-1-0-W

EX44 -	A	- N	- _____	- ____	-	-	-	-	-	-	- ____
	DIRECT SHIELDING	*INDIRECT SHIELDING*	*CRI, CCT & OUTPUT*	*LENGTH OR PATTERN*	*MOUNTING*	*VOLTAGE*	*DRIVER*	*CIRCUITING*	*BATTERY & EMERGENCY*	*FINISH*	*FIXTURE OPTIONS* *CONTROLS*
A		N	_ _ _ _ _ _	_ _ _ _							

DIRECT SHIELDING	INDIRECT SHIELDING	CRI, CCT & OUTPUT	LENGTH OR PATTERN[1]
A - Satine Lens *Shielding pg. 2*	**N** - None *Shielding pg. 2*	**_27_ _** - 2700K **_30_ _** - 3000K **_35_ _** - 3500K **_40_ _** - 4000K **CL_ _ _ _ _ _** - Custom Lumens **CW_ _ _ _ _ _** - Custom Watts *Lumen Output pg. 2* *Example: 830HO is **8** = 80 CRI; **30** = 3000K;* ***HO** = High Output; Blank = Standard Output*	**_ _** - Individual Fixture **_ _** - Continuous Row **S _** - Square **R _ X _** - Rectangle **L _ X _** - L Shape **U _ X _** - U-Shape **M** - Mod Layout *Length and Pattern pg. 2-3*

	_	_ _ _	_
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 **PP_ _JB** - Pendant Pipe to J Box **PP_ _ST** - Pendant Pipe to Structure **WA** - Wall Mount **S** - Surface *Mounting pg. 3*	**U** - Universal *(120 thru 277V)* **1** - 120V **2** - 277V **3** - 347V *Voltage pg. 4*	**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)* **L51** - Lutron 5-Series *(5%, EcoSystem)* **PS1** - Advance Xitanium *(50%/100%)* **OL2** - Osram *(1%, 0-10v)* **ND** - Non-Dimming *Driver pg. 4*	**1** - Single Circuit **M** - Multi Circuit **E** - Emergency *(entire fixture)* **N** - Night Light *(entire fixture)* *Circuiting pg. 4*

_ _ _	_ _	_ _ _ _	_ _ _
BATTERY & EMERGENCY[3]	**FINISH**	**FIXTURE OPTIONS**	**CONTROLS**
0 - None **_P** - Bodine 10W Integral **_IC** - Iota 10W Integral *(CEC Listed)* **_E** - Emergency Section **_N** - Night Light Section **_L** - Life Safety Section **_G** - Bodine GTD *Battery and Emergency pg. 4*	**W** - White **S** - Metallic Silver **BL** - Textured Black **BR** - Bronze **GR** - Graphite **CC** - Custom Color *Finish pg. 5*	**MRA** - Adjustable MR16 Halogen **LMRA** - Adjustable MR16 LED **XLED** - Fixed Xicato LED *Fixture Options pg. 5*	*Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.*

[1] Individual fixtures come in 2', 3', 4', 5', 6', 8' and 12' 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] Example AC48G9 = 48" AC to G9 grid. Specify AC length, 48", 120, 240". Specify grid: G1=15/16", G9=9/16", GS=Screw Slot. Pendant Pipe, specify length 12", 18" 24". Example PP18JB = 18" Pendant Pipe to J Box. [3] Enter quantity for Battery and Emergency, Example 2P.

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PINNACLE ARCHITECTURAL LIGHTING®

EDGE EX44 Suspended Linear

Direct Shielding

A
Satine Lens

Indirect Shielding

N
None
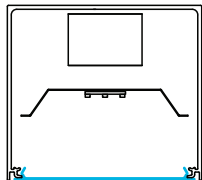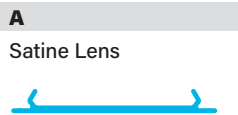
Output

- 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. CL835500)	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 A Satine Lumens/ft	LPW
830	3000K	Standard	4.6	376	81.6
830HO	3000K	High	8.6	687	79.6
835	3500K	Standard	4.6	387	84.0
835HO	3500K	High	8.6	706	81.9
840	4000K	Standard	4.6	394	85.6
840HO	4000K	High	8.6	720	83.4

90 CRI

	Color	Output	Watts per foot	Shielding A Satine Lumens/ft	LPW
927	2700K	Standard	4.6	297	64.5
927HO	2700K	High	8.6	543	62.9
930	3000K	Standard	4.6	346	75.2
930HO	3000K	High	8.6	633	73.4
935	3500K	Standard	4.6	348	75.7
935HO	3500K	High	8.6	635	73.6
940	4000K	Standard	4.6	352	76.5
940HO	4000K	High	8.6	643	74.6

Length

- All individual units cannot be joined, SJT cord 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
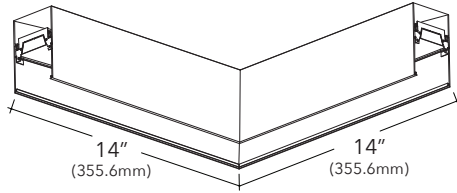- For patterns, refer to Pattern section on next page

2 Indiv. Fixture	3 Indiv. Fixture	4 Indiv. Fixture	5 Indiv. Fixture	6 Indiv. Fixture	8 Indiv. Fixture	12 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'

Pattern

14" (355.6mm)   14" (355.6mm)

- 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)
- Not all drivers available with all patterns; consult factory
- Angles and shapes not shown require Mod Pattern; consult factory

S_	R_x_	U_x_x_	L_x_	M
Square *Provide A dimension* *Example:* **S4'** *Nominal Length- 4'x4'* *Minimum Length- 4'4"'x4'4"*	Rectangle *Provide AxB dimensions* *Example:* **R4'x4'** *Nominal Length- 4'x4'* *Minimum Length- 4'4"'x4'4"*	U-Shape *Provide AxBxC dimensions* *Example:* **U3'x4'x3'** *Nominal Length- 3'x4'x3'* *Minimum Length- 3'2"x4'4"x3'2"*	L-Shape *Provide AxB dimensions* *Example:* **L3'x3'** *Nominal Length- 3'x3'* *Minimum Length- 3'2"x3'2"*	ModLayout *For patterns or lengths not shown or standard*
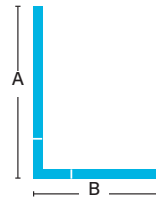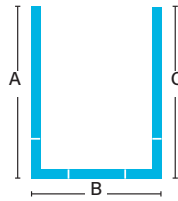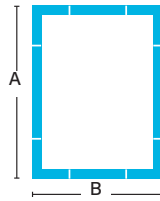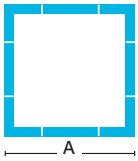
Mounting

- 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'-0" (1219.2mm) and 8'-0" (2438.4mm) centers
- Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies
- 3/8" diameter pendant pipe lengths 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 jobsite
- Maximum fixture weight is 15 lbs for a standard 4' fixture

Code	Description
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
PP__JB	Pendant Pipe Junction Box
PP__ST	Pendant Pipe Structure
WA	Wall Mount
S	Surface

S - Surface

1/2"

AC - Single, Adjustable Aircraft Cable   PP - Pendant   WA - Wall

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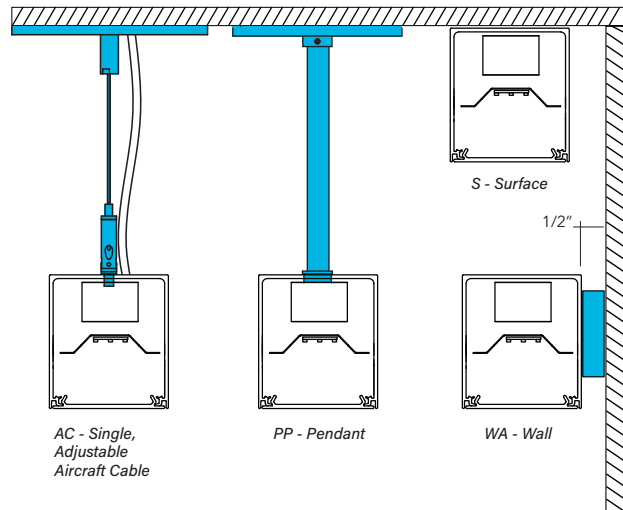
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Voltage

- Some EX44 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 = PL2
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some EX44 configurations will not accommodate all driver options; consult with factory

PL2	Advance Xitanium 1%, 0-10v
OL4	Osram Optotronic 347v, 1%, 0-10v (requires 347v)
EE1	eldoLED ECOdrive 1%, 0-10v Logarithmic
EE2	eldoLED ECOdrive 1%, 0-10v Linear
ES1	eldoLED SOLOdrive 0%, 0-10v Logarithmic
ES2	eldoLED SOLOdrive 0-10v, 0% Linear
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
OL2	Osram Optotronic 1%, 0-10v, nominal 1% dimming range
ND	Non-Dimming

How to specify Circuiting, Battery and Emergency

1
- Select fixture circuiting from options below
- Some EX44 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 EX44 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 of fixture for 12' housing lengths
- For more battery options available, see Pinnacle Resource Guide

0	No battery
_P	Bodine 10w Integral
_IC	Iota 10w Integral *CEC Listed*

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: 1-1P
- 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

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EX44_LED_SPEC_JUNE2021

pg. 4

P I N N A C L E
ARCHITECTURAL LIGHTING ®

EDGE EX44 Suspended Linear

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 *(white cord/white canopy)*
S	Metallic Silver *(grey cord/silver canopy)*
BL	Textured Black *(black cord/black canopy)*
BR	Bronze *(white cord/bronze canopy)*
GR	Graphite *(white cord/graphite canopy)*
CC	Custom Color *(white cord/color match canopy)*

Fixture Options

- Additional options to enhance the fixture and finish of the product
- Consult factory for MR16 configurations
- Specify to match housing. If not specified, canopy and/or pendant will be standard matte white

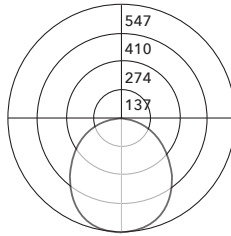| MRA	Adjustable MR16 Halogen
LMRA	Adjustable MR16 LED
XLED	Fixed Xicato LED

Controls

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

Photometrics

Satine Lens

Test #	ITL86798
Catalog #	EX44-A-N-840-4
Lumens	1465 lm
Watts	18.6 W
Efficacy	79 LPW

Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	547	547	547	547	547
5	545	545	544	544	544
10	536	535	534	534	533
15	523	519	520	518	516
20	503	497	498	495	492
25	477	470	471	467	464
30	446	441	440	435	432
35	414	408	407	401	397
40	378	372	370	365	362
45	339	335	332	327	325
50	300	297	293	289	287
55	260	256	255	251	250
60	219	217	216	213	211
65	178	177	176	174	174
70	139	138	138	137	137
75	100	100	100	100	100
80	64	65	64	64	65
85	30	31	31	31	31
90	0	0	0	0	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3590	3514	3439
55	3389	3323	3256
65	3157	3121	3084
75	2886	2886	2886
85	2536	2624	2624

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℃ 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.

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. Pendant Pipe lengths are 12", 18", and 24" Refer to installation instructions for appropriate ceiling detail. Canopies are painted white unless otherwise specified. Maximum fixture weight is 15 lbs. per standard 4' fixture.

LED: 25ºC 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 & 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℃ ambient operating conditions. Ambient operating range: -20°F/-30℃ to 110°F/43℃. 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, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes. Pendants and 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 or 277v), 50 watt max halogen lamp electronic transformer (120v or 277v), MR16 installed as an independent circuit. MR16 to match fixture voltage. 277v dimmer must be sourced. Consult factory for available Xicato units. Must specify Xicato series, output, color temperature and beam angle. 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 Listed. Standard and HO lumen packages are approved for dry/damp location unless otherwise noted.

Fixture Weight: Maximum fixture weight is 15 lbs. per 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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