PINNACLE
ARCHITECTURAL LIGHTING®

Project Name _____

Date _____ Type _____

EDGE EX3DI
3" Suspended Direct/Indirect Linear

5-1/2" (140mm)

3" (76.2mm)
3-1/2" (88.4mm)

Key Features

- 6063-T6 Extruded aluminum housing
- Highly reflective white painted reflector
- Room-Side Maintenance for LED system
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed
- Approved for dry/damp location unless otherwise noted
- Maximum weight is 25 lbs. for a standard 4' fixture
- Buy American Act compliant
- Indigo-Clean available, see Indigo-Clean specification sheets for details

LED | 5 YEAR LED WARRANTY | QUICKSHIP

BUY AMERICAN ACT COMPLIANT | cULus | DESIGNED IN DENVER CO.

Example Part #: EX3DI-BW-HE-830HO-830-26'-AC48G1-U-OL2-1-0-W

EX3DI -	-	-	-	-	-	-	-	-	-	-	-
DIRECT SHIELDING	*INDIRECT SHIELDING*	*DIRECT SOURCE*	*INDIRECT SOURCE*	*LENGTH OR PATTERN*	*MOUNTING*	*VOLTAGE*	*DRIVER*	*CIRCUITING*	*BATTERY & EMERGENCY*	*FINISH*	*FIXTURE OPTIONS*	*CONTROLS*

__ __   ___   _____   _____

DIRECT SHIELDING
A - Satine Lens *QS*
AL - Drop Lens
HE - High Efficiency *QS*
BW - Batwing *QS*
WHE - Asymmetric *QS*
HED - Descent
MOD - Mod options available
Shielding pg. 2

INDIRECT SHIELDING
HE - High Efficiency *QS*
BW - Batwing *QS*
WHE - Asymmetric *QS*
HEA - Ascent
MOD - Mod options available
Shielding pg. 2

DIRECT SOURCE *QS*[1]
_27_ _ - 2700K
_30_ _ - 3000K
_35_ _ - 3500K
_40_ _ - 4000K
CL_ _ _ _ _ _ - Custom Lumens
CW_ _ _ _ _ _ - Custom Watts
MOD - Mod options available
Lumen Output pg. 2

INDIRECT SOURCE *QS*[1]
_27_ _ - 2700K
_30_ _ - 3000K
_35_ _ - 3500K *(available with BIOS)*
_40_ _ - 4000K *(available with BIOS)*
CL_ _ _ _ _ _ - Custom Lumens
CW_ _ _ _ _ _ - Custom Watts
MOD - Mod options available
Lumen Output pg. 3

____   _____   _   ___   _

LENGTH OR PATTERN[2]
_ _ - Individual Fixture *QS*
_ _ - Continuous Row *QS*
L _ x _ - L Shape *QS*
R _ x _ - Rectangle *QS*
S _ - Square *QS*
U _ x _ x _ - U-Shape *QS*
T _ x _ - T Shape
X _ x _ x _ - X Shape
M - Mod Layout
MOD - Mod options available
Length and Pattern pg. 4

MOUNTING[3]
_AC_ _G_ - (M)AC to Grid *QS*
_AC_ _JB - (M)AC to J Box *QS*
_AC_ _ST - (M)AC to Structure *QS*
WA - Wall Mount *QS*
_AC5_ _G_ - 5" Non-Power Canopy
_AC5_ _JB - 5" Non-Power Canopy
_SQ_ _G_ - 5" Square Canopy
_SQ_ _JB - 5" Square Canopy
MOD - Mod options available
Mounting pg. 5

VOLTAGE
U - Universal *QS*
(120 thru 277V)
1 - 120V *QS*
2 - 277V *QS*
3 - 347V
Voltage pg. 5

DRIVER
FSD - Factory Select Driver *(1%, 0-10v)* *QS*
PL2 - Advance Xitanium *(1%, 0-10v)* *QS*
OL2 - eldoLED Optotronic *(1%, 0-10v)*
OL4 - eldoLED Optotronic 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%)*
MOD - Mod options available
Driver pg. 6

CIRCUITING
1 - Single Circuit *QS*
2 - Dual Circuit
M - Multi Circuit
E - Emergency *QS*
(entire fixture)
N - Night Light *QS*
(entire fixture)
Circuiting pg. 6

___   __   ____   ___

BATTERY & EMERGENCY[4]
0 - None *QS*
_FSB - Factory Select Battery
_FSG - Factory Select ALCR
_GI - Iota ETS DR
_GB - Bodine GTD
_ILL - Iota 10W *QS*
_PLL - Bodine 10W
Battery and Emergency pg. 7

FINISH
W - White *QS*
S - Metallic Silver *QS*
BL - Textured Black *QS*
BR - Bronze
GR - Graphite
CC - Custom Color
Finish pg. 7

FIXTURE OPTIONS[5]
QS - QuickShip *QS*
LMRA - Adjustable MR16 *(LED)*
XLED - Fixed Xicato LED
DSP - Customer Supplied Battery/Driver/Sensor
MOD - Mod options available
Fixture Options pg. 7

CONTROLS[6]
DLMFS - Wattstopper LLLC *(wireless)*
EASYS - Philips EasySense *(wireless)*
SNSLM - Encelium Sensilum *(wireless)*
WVLX - Eaton WaveLinx *(wireless)*
VDO - Lutron Vive Sensor *(wireless)*
VRF - Lutron Vive Connected *(wireless)*
MOD - Mod options available
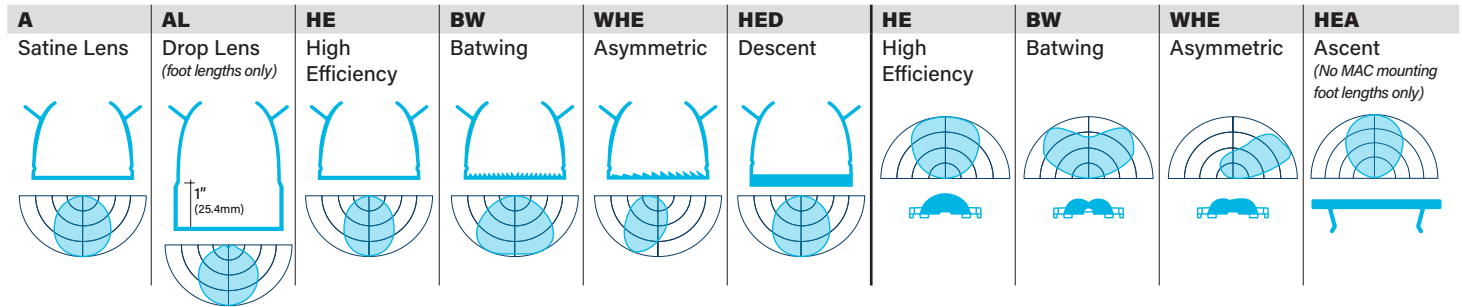*Controls pg. 8*

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1. When specifying SOURCE the first _ is for specifying either 8 - 80CRI, or 9 - 90CRI. The ending _ _ are for specifying output, example HO - High Output. If specifying QS output is 80 CRI, all color temperatures, all lumen packages. Does not include Tunable White. See output charts for more information. 2. Individual fixtures come in 2', 3', 4', 5', 6', 7' & 8' lengths. Continuous row come in 1/8" increments. For Mod layouts specify pattern shape and overall dimensions. Example: L6x4: L pattern that is 6'x4'. 3. Specify 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 4. Enter quantity for Battery and Emergency, Example 2P. 5. QS must be used in fixture options section of part number to qualify. 1/8" increments not available for QS. LMRF option only available with 120v. 6Controls can only be used with Single Circuit (1) or Emergency Circuit (E). See Controls chart on page 5 for driver options and more information.

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

Direct Shielding

A	AL	HE	BW	WHE	HED
Satine Lens	Drop Lens *(foot lengths only)*	High Efficiency	Batwing	Asymmetric	Descent

Indirect Shielding

HE	BW	WHE	HEA
High Efficiency	Batwing	Asymmetric	Ascent *(No MAC mounting foot lengths only)*

Shielding: MOD Options

- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD	Clear lens overlay

Direct Source: White LED[1]

- 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. 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	Lumens per foot	Shielding[1] A Satine LPW	Watts/ft	AL Drop LPW	Watts/ft	HE High Efficiency LPW	Watts/ft	BW Batwing LPW	Watts/ft	WHE Asymmetric LPW	Watts/ft	HED Descent LPW	Watts/ft
830	3000K	500	108	4.6	118	4.2	123	4.1	120	4.2	124	4.0	106	4.7
830HO	3000K	750	110	6.8	117	6.4	128	5.9	119	6.3	123	6.1	108	6.9
830VHO	3000K	1000	110	9.1	120	8.3	131	7.6	122	8.2	126	7.9	109	9.2
835	3500K	500	111	4.5	122	4.1	127	3.9	123	4.1	123	4.1	110	4.6
835HO	3500K	750	111	6.8	121	6.2	132	5.7	123	6.1	127	5.9	112	6.7
835VHO	3500K	1000	114	8.8	124	8.0	133	7.5	126	7.9	131	7.7	113	8.9
840	4000K	500	111	4.5	122	4.1	127	3.9	123	4.1	123	4.1	110	4.6
840HO	4000K	750	111	6.8	121	6.2	132	5.7	123	6.1	127	5.9	112	6.7
840VHO	4000K	1000	114	8.8	124	8.0	133	7.5	126	7.9	131	7.7	113	8.9

90 CRI

	Color	Lumens per foot	A LPW	Watts/ft	AL LPW	Watts/ft	HE LPW	Watts/ft	BW LPW	Watts/ft	WHE LPW	Watts/ft	HED LPW	Watts/ft
927	2700K	500	89	5.6	98	5.1	104	4.8	99	5.0	102	4.9	88	5.7
927HO	2700K	750	90	8.3	99	7.6	106	7.1	99	7.6	102	7.3	89	8.4
927VHO	2700K	1000	90	11.1	99	10.1	106	9.4	100	10.0	104	9.7	88	11.4
930	3000K	500	97	5.1	104	4.8	113	4.4	106	4.7	109	4.6	96	5.2
930HO	3000K	750	99	7.6	106	7.0	113	6.6	108	6.9	112	6.7	97	7.7
930VHO	3000K	1000	98	10.2	107	9.4	116	8.6	108	9.2	112	8.9	97	10.3
935	3500K	500	97	5.2	104	4.8	113	4.4	105	4.7	109	4.6	96	5.2
935HO	3500K	750	98	7.6	106	7.1	112	6.7	108	7.0	111	6.7	97	7.7
935VHO	3500K	1000	98	10.2	106	9.4	116	8.6	108	9.3	112	9.0	97	10.3
940	4000K	500	97	5.2	104	4.8	113	4.4	105	4.7	109	4.6	96	5.2
940HO	4000K	750	98	7.6	106	7.1	112	6.7	108	7.0	111	6.7	97	7.7
940VHO	4000K	1000	98	10.2	106	9.4	116	8.6	108	9.3	112	9.0	97	10.3

[1]LPW and watts/ft based off 48" fixture size, see IES files for specific fixture length.

Indirect Source: White LED[1]

- 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	Lumens per foot	Shielding[1] HE High Efficiency		BW Batwing		WHE Asymmetric		HEA Ascent	
			LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft
830	3000K	500	140	3.6	131	3.8	119	4.2	125	4.0
830HO	3000K	750	146	5.1	135	5.5	119	6.3	125	6.0
830VHO	3000K	1000	147	6.8	137	7.3	122	8.2	128	7.8
835	3500K	500	145	3.4	135	3.7	123	4.1	125	4.0
835HO	3500K	750	151	5.0	141	5.3	122	6.1	129	5.8
835VHO	3500K	1000	148	6.8	141	7.1	126	8.0	133	7.5
840	4000K	500	145	3.4	135	3.7	123	4.1	125	4.0
840HO	4000K	750	151	5.0	141	5.3	122	6.1	129	5.8
840VHO	4000K	1000	148	6.8	141	7.1	126	8.0	133	7.5

90 CRI

	Color	Lumens per foot	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft
927	2700K	500	118	4.2	110	4.5	99	5.1	102	4.9
927HO	2700K	750	118	6.4	110	6.8	98	7.6	104	7.2
927VHO	2700K	1000	121	8.3	113	8.9	100	10.0	105	9.5
930	3000K	500	124	4.0	120	4.2	105	4.7	111	4.5
930HO	3000K	750	129	5.8	120	6.3	107	7.0	111	6.8
930VHO	3000K	1000	132	7.6	123	8.2	108	9.3	114	8.8
935	3500K	500	124	4.0	120	4.2	105	4.8	111	4.5
935HO	3500K	750	128	5.8	119	6.3	107	7.0	110	6.8
935VHO	3500K	1000	132	7.6	122	8.2	107	9.3	113	8.8
940	4000K	500	124	4.0	120	4.2	105	4.8	111	4.5
940HO	4000K	750	128	5.8	119	6.3	107	7.0	110	6.8
940VHO	4000K	1000	132	7.6	122	8.2	107	9.3	113	8.8

[1]LPW and watts/ft based off 48" fixture size, see IES files for specific fixture length.

Source: MOD Options

- Specify **MOD** in the part number for any of the below options
- All RGB_ Source Options will require specific driver and control
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD		Required Driver	Required Control
	Color Changing RGB LED	EC1/EC4	DMX
	Color Changing RGB-W LED	EC1/EC4	DMX
	2 Channel Tunable White		

Length

- Individual units cannot be joined, end plates are factory installed and cannot be removed
- For Continuous Runs, add 3/16" (4.7mm) for each end plate or 3/8" (9.5mm) to the overall length of the row
- For patterns, refer to Pattern section on next page

2	3	4	5	6	7	8	—
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run

Cont. Run: Specify nominal overall row length to the 1/8" Longer lead-time may apply for lengths to the 1/8". Consult factory.

- 24-3/8" (619.1mm)
- 36-3/8" (934.8mm)
- 48-3/8" (1228.7mm)
- 60-3/8" (1533.5mm)
- 72-3/8" (1838.3mm)
- 84-3/8" (2143.1mm)
- 96-3/8" (2447.9mm)
- Specify to the 1/8"

Pattern
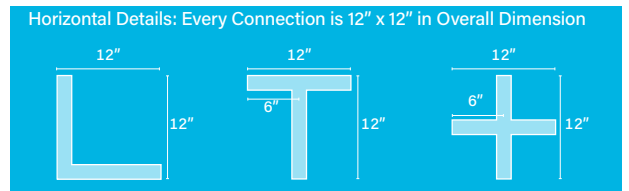

12" (304.8mm)   12" (304.8mm)
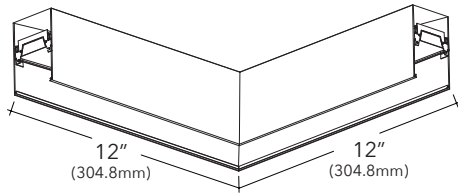
- Specify pattern shape and overall dimensions (includes corner dimensions)
- Refer to dimensions table below for available standard lengths
- All connectors are direct only
- 90 degree horizontal corners are 12"x12" (overall, outside dimension)
- Angles and shapes not shown require Mod Pattern; consult factory
- Only available with "A" or "HE" lens options

S_	R_x_	U_x_x_	L_x_	T_x_	X_x_
Square	Rectangle	U-Shape	L-Shape	T-Shape	X-Shape
Provide A	*Provide AxB*	*Provide AxBxC*	*Provide AxB*	*Provide AxB*	*Provide AxB*
Example: **S4'**	*Example:* **R4'x4'**	*Example:* **U3'x4'x3'**	*Example:* **L3'x3'**	*Example:* **T3'x5'**	*Example:* **X5'x5'**
Minimum Length-4'x4'	*Minimum Length-4'x4'*	*Minimum Length-3'x4'x3'*	*Minimum Length-3'x3'*	*Minimum Length-3'x5'*	*Minimum Length-5'x5'*

Length or Pattern: MOD Options

- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD	
	Specify MOD for patterns, lengths or angles not shown above
	45- 180 degree angles
	Single-piece welded housings up to 4' x 4

Horizontal Details: Every Connection is 12" x 12" in Overall Dimension

12"   12"   12"
12"   6"   12"   6"   12"

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EX3DI_LED_SPEC_NOV2023

pg. 4

Mounting

- Specify cable length in ordering code (AC48G1)
- Standard specifiable lengths are 48″, 120″, 240″ and 350″
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4′ (1219.2mm) and 8′ (2438.4mm) centers
- Maximum recommended 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 25 lbs for a standard 4′ fixture
- AC__GS and MAC__GS – works with screw slot and bolt slot grid ceiling types
- Wall Mount – ADA Compliant, bracket is 1/2″ off wall
- MAC options not available with HEA lens option
- MAC options not available with HEA lens option
- For a wall mounted fixture with an indirect asymmetric lens, light will be directed away from the wall as a standard

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

AC - Single, Adjustable Aircraft Cable

MAC - Movable Y- Aircraft Cable

WA - Wall
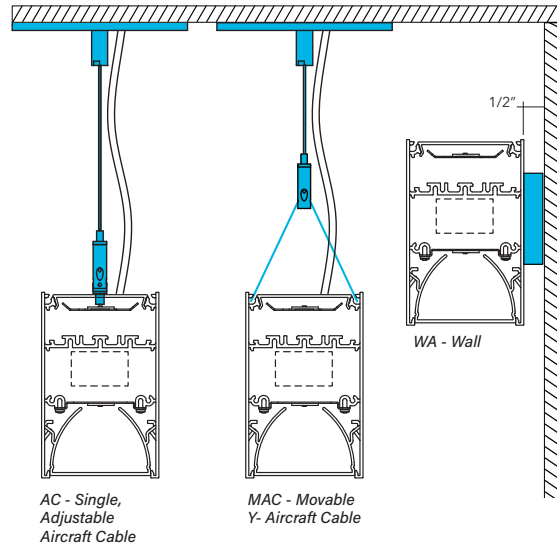
Straight EDGE Joint System
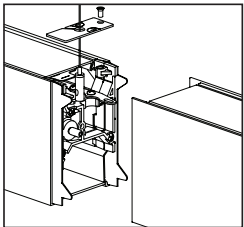
- The Straight EDGE Joint comes standard for all runs.
- Two connection points – one to cinch fixtures together, the other to perfectly align all fixtures in a run.
- Factory-installed light shields on both sides of the fixture ensure no light leaks.
- Patented.

Mounting: MOD Options

- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

| MOD | Recessed to Suspended |
| | Pendant Pipe |

Voltage

- Some EX3DI configurations will not accommodate all voltage options; consult with factory

U	Universal
1	120 volt
2	277 volt
3	347 volt

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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 EX3DI 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	eldoLED Optotronic, 1%, 0-10v
OL4	eldoLED 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
OL5	eldoLED Optotronic 1%, 0-10v, AUX
PL5	Advance Xitanium 1%, 0-10v, AUX
DALI Drivers	
EE3	eldoLED ECOdrive .1%, DALI (logarithmic)
ES3	eldoLED SOLOdrive .1%, DALI (logarithmic)
OD1	eldoLED Optotronic 1%, DEXAL
OD2	eldoLED 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%
PR1	Philips Advance Xitanium SR, requires EASYS, VDO or VRF
OD1	eldoLED Optotronic 1%, DEXAL
EH1	ELV 120v only, 0-10v universal
EC1	Constant Voltage LED driver, 120v or 277v required

Driver: MOD Options

- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD	Power Over Ethernet

How to specify Circuiting, Battery and Emergency

1
- Select fixture circuiting from options below
- Some EX3DI configurations will not accommodate all circuiting options, consult with factory

Circuiting

1	Single Circuit
2	Dual 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 EX3DI 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' or 3' 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	Iota 10w Integral
_ILL	Iota 10w Integral Lithium, Self Testing
_IRH	Iota 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: 1-1PL
- 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 *(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 CC-C to match housing. If not specified, canopy will be standard matte white

LMRF	Adjustable MR16 LED *(only available with 120v)*
DSP	Customer Supplied Battery/Driver/Sensor
XLED	Fixed Xicato LED

Fixture Options: MOD Options

- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD	Remote Driver
	End Power Feed

Quick Ship

Shielding	CRI, CCT & Output	Mounting		Voltage		Driver		Circuiting		Battery		Finish	
10-Day													
A - Direct **HE -** Direct **BW -** Direct **WHE -** Direct **HE -** Indirect **BW -** Indirect **WHE -** Indirect	80 CRI, all color temperatures, all lumen packages *See pg 2*	**(M)AC48G_** **(M)AC48JB** **(M)AC48ST** **W** **S**	(M)AC to Grid (M)AC to J-BOX (M)AC to Structure Wall Mount Surface Mount	**U** **1** **2**	Universal (120-277) 120V 277V	**FSD** **PL2** **OL2**	Factory Select Driver *(1%, 0-10v)* Advance Xitanium 0-10v, 1% Osram 0-10v, 1%	**1** **E** **N**	Single Circuit Emergency Night Light	**0** **_ILL**	None Iota 10w Integral	**W** **S** **BL**	White Silver Black

All lengths and continuous rows up to 1,000 ft OR 150 individual fixtures. Black QuickShip only available in 4', 6', and 8' individual lengths. Consult factory for larger projects.

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Controls

- Pinnacle Lighting offers easy to specify network control solutions that connect to an intelligent centralized system to maximize lighting energy efficiencies or integral sensors for individual fixture control
- Pinnacle Lighting fixtures ship technology ready; commissioning by others
- Controls can only be used with Single Circuit (**1**) or Emergency Circuit (**E**)

- Contact factory for any non-standard configurations for layout, placement, or EM options
- One drop per sensor typical, consult factory for more information
- Must specify required driver in driver section

|	Solution	Components	Network/Sensor	Connection	Required Drivers	Limitation
DLMFS	Legrand Wattstopper LLLC	LMFS-601-W / LMFI-111	Wireless DLM Fixture Sensor	Wireless	OD1, PR1 or 0-10v	0-10v requires interface
EASYS	Philips EasySense	SNS-210	Daylight/PIR Occupancy	Wireless to switches	PR1	Not available with 347 volt
SNSLM	Encelium Sensilum	EN-CLM-PIR-DD-ZB	Encelium, Daylight/PIR Occupancy	Wireless	OD1, OL5	Not available with 347 volt
WLVX	Eaton Wavelinx	SWPD1, NSP3IVMVDC1	WaveLinx WCL, Daylight	Wireless	Any 0-10v	Not available with 347 volt
VDO	Lutron Vive Sensor	DFCSJ-OEM-OCC	Vive, Daylight/PIR Occupancy	Wireless	OD1, PR1	Not available with 347 volt
VRF	Lutron Vive Connected	DFCSJ-OEM-RF	Vive	Wireless	OD1, PR1	Not available with 347 volt

Controls: MOD Options

- Specify **MOD** in the part number for any of the below options
- **Control** Options may require specific driver. Refer to the chart below

- Consult factory for **MOD** specification details, pricing, and lead-time information

		Required Driver
MOD	Encelium Sensilum	OD1, OL5
	Enlighted (Wireless) - ENLI	Any 0-10v
	Enlighted (Wireless) - ENLC	Any 0-10v
	Acuity nLight Air Wireless Connected	EE6, ES6

Photometrics

Satine Lens - Open

Test #	SCALED FROM ITL91451 & ITL94661
Catalog #	EX3DI-BW-BW-840VHO-840VHO-4
Lumens	8000 lm
Watts	58.9 w
Efficacy	135.8 LPW

1283
962
642
321
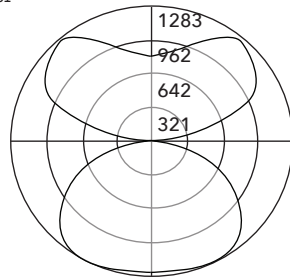
Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1268	1268	1268	1268	1268
5	1262	1263	1266	1269	1270
15	1215	1218	1246	1271	1279
25	1117	1130	1197	1258	1280
35	977	1005	1107	1199	1236
45	806	845	963	1065	1100
55	615	656	763	848	872
65	418	449	527	574	580
75	219	237	278	294	292
85	51	61	69	68	67
90	8	54	96	90	97
95	73	144	225	208	195
105	221	300	495	562	539
115	369	438	649	873	925
125	486	570	785	1011	1089
135	572	666	906	1111	1185
145	655	725	934	1131	1207
155	729	768	892	1005	1052
165	784	799	848	892	909
175	811	814	819	823	826
180	814	814	814	814	814

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20720	22599	24984
55	19447	21238	23211
65	17871	18722	19356
75	15161	14244	13612
85	10078	6705	5453

[1]Based on ITL Reports 91451, 91463 and 93985.
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.

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Applications & Certificates

Construction: 6063-T6 Extruded aluminum housing. Highly reflective die-formed white painted reflector.

Shielding: Direct: diffuse snap-in acrylic lens, removable for maintenance. Indirect: diffuse snap in lens or over optic. High Efficiency (HE) & Ascent (HEA) are snap in options. Batwing (BW) & Asymmetric (WHE) are over optics.

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 moveable 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 25 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. For all available IES files, please visit our website at pinnacle-ltg.com.

Tunable White LED: Blanco 3; 3 Channel tunable white for precise black body curve CCT. Self-commissioning with Wattstopper DLM integrated controls. Custom lumen output and color temperature configurations require use of controls.

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 94°F/35°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 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.

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. LED lamps are not included. Consult factory for other lamp types. Standard 60 watt max LED electronic transformer (120v), MR16 installed as an independent circuit. MR16 to match fixture voltage. LMRA option not available with 277v. Consult factory for MR16 configurations.

Controls: nLight Air rES7 sensor provides wireless control, daylight harvesting and occupancy detection with PIR using eldoLED LED drivers. nLight Air rES7 sensor provides wireless control, daylight harvesting and occupancy detection with PDT using eldoLED LED drivers. nLight Air rIO module provides wireless control using eldoLED LED drivers. EasySense sensor provides daylight harvesting and PIR occupancy detection using the SR LED driver; the Philips app provides advanced configurations. ENCELIUM SensiLUM sensor provides wireless control, daylight harvesting and PIR occupancy; driver data is available when using the DEXAL driver. ENCELIUM SensiLUM sensor provides wireless control, daylight harvesting and PIR occupancy; driver data is available when using the DEXAL driver. WaveLinx Connected Lighting sensor provides wireless control and daylight harvesting using 0-10V LED drivers. Lutron Vive sensor provides wireless control, daylight harvesting and PIR occupancy detection using DEXAL or SR LED drivers. Lutron Vive module provides wireless control using DEXAL or SR LED drivers.

Labels: UL and cUL 2108 or 1598 listed depending on product configuration. Standard and HO lumen packages are approved for dry/damp location unless otherwise noted.

Fixture Weight: Maximum fixture weight is 25 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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