

EDGE EX3DI

3" Suspended Direct/Indirect Linear

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



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
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DIRECT SHIELDING	INDIRECT SHIELDING	DIRECT SOURCE <i>QS</i> ¹	INDIRECT SOURCE <i>QS</i> ¹										
A - Satine Lens <i>QS</i> AL - Drop Lens HE - High Efficiency <i>QS</i> BW - Batwing <i>QS</i> WHE - Asymmetric <i>QS</i> HED - Descent <i>Shielding pg. 2</i>	HE - High Efficiency <i>QS</i> BW - Batwing <i>QS</i> WHE - Asymmetric <i>QS</i> HEA - Ascent <i>Shielding pg. 2</i>	27 - 2700K 30 - 3000K 35 - 3500K (available with BIOS) 40 - 4000K (available with BIOS) CL - Custom Lumens CW - Custom Watts <i>Lumen Output pg. 2</i>	27 - 2700K 30 - 3000K 35 - 3500K (available with BIOS) 40 - 4000K (available with BIOS) CL - Custom Lumens CW - Custom Watts <i>Lumen Output pg. 3-4</i>										

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LENGTH OR PATTERN ²	MOUNTING ³	VOLTAGE	DRIVER	CIRCUITING
--- - Individual Fixture <i>QS</i> --- - Continuous Row <i>QS</i> L_x_x - L Shape <i>QS</i> R_x_x - Rectangle <i>QS</i> S_x_x - Square <i>QS</i> U_x_x_x - U-Shape <i>QS</i> T_x_x - T Shape X_x_x_x - X Shape M - Mod Layout <i>Length and Pattern pg. 4-5</i>	AC_G - (M)AC to Grid <i>QS</i> AC_JB - (M)AC to J Box <i>QS</i> AC_ST - (M)AC to Structure <i>QS</i> WA - Wall Mount <i>QS</i> AC5_G - 5" Non-Power Canopy AC5_JB - 5" Non-Power Canopy SQ_G - 5" Square Canopy SQ_JB - 5" Square Canopy <i>Mounting pg. 5</i>	U - Universal <i>QS</i> <i>(120 thru 277V)</i> 1 - 120V <i>QS</i> 2 - 277V <i>QS</i> 3 - 347V <i>Voltage pg. 6</i>	OL2 - Osram (1%, 0-10v, standard) OL3 - Osram 347v (10%, 0-10v) EE1 - eldoLED ECOdrive (1%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) <i>QS</i> L51 - Lutron 5-Series (5%, EcoSystem) PL2 - Advance Xitanium (1%, 0-10v) PS1 - Advance Xitanium (50%/100%) ND - Non-Dimming <i>QS</i> <i>Driver pg. 6</i>	1 - Single Circuit <i>QS</i> 2 - Dual Circuit M - Multi Circuit E - Emergency <i>QS</i> <i>(entire fixture)</i> N - Night Light <i>QS</i> <i>(entire fixture)</i> <i>Circuiting pg. 6</i>

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BATTERY & EMERGENCY ⁴	FINISH	FIXTURE OPTIONS ⁵	CONTROLS ⁶
0 - None <i>QS</i> PL - Bodine 10W IL - Iota 10W <i>QS</i> G - Bodine GTD <i>Battery and Emergency pg. 6</i>	W - White <i>QS</i> S - Metallic Silver <i>QS</i> BL - Textured Black <i>QS</i> BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 7</i>	QS - QuickShip <i>QS</i> LMRA - Adjustable MR16 (LED) XLED - Fixed Xicato LED <i>Fixture Options pg. 7</i>	EASYS - Philips EasySense (wireless) SNSLM - Osram Sensilum (wireless) WVLX - Eaton WaveLinX (wireless) VDO - Lutron Vive Sensor (wireless) VRF - Lutron Vive Connected (wireless) <i>Controls pg. 7</i>

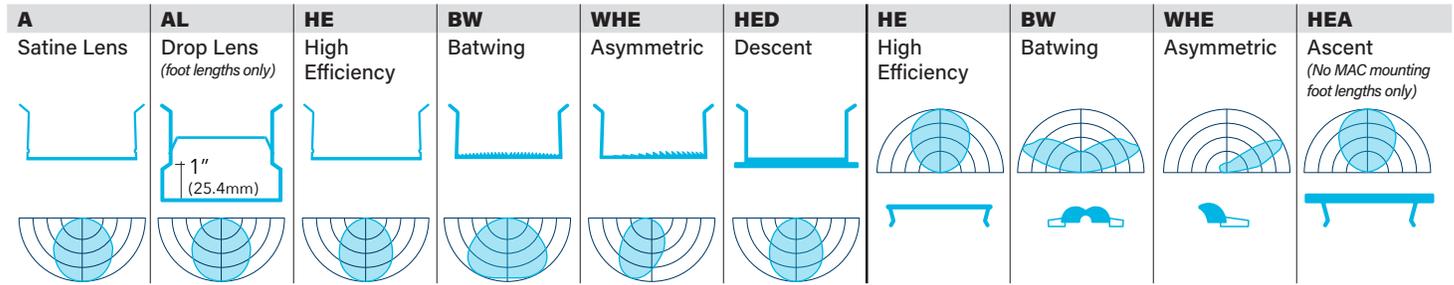
¹When specifying SOURCE the first _ is for specifying either **8** - 80CRI, **9** - 90CRI or **B** - BIOS. The ending __ are for specifying output, example **HO** - High Output. When specifying BIOS use **B** and then specify color temperature, either 3500K or 4000K, and output, example **B35HO** - BIOS 3500K High Output. See output charts for more information. BIOS dynamic available, please contact factory for more information. For Quickship CRI, CCT & Output see chart on page 6 ²Individual 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'. ³Specify 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 MAC option not available with HEA - Ascent Indirect shielding option. ⁴Enter quantity for Battery and Emergency, Example 2PL. ⁵QS must be used in fixture options section of part number to qualify. 1/8" increments not available for QS. ⁶Controls can only be used with Single Circuit (1) or Emergency Circuit (E). See Controls chart on page 7 for driver options and more information.

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Direct Shielding

Indirect Shielding



Direct Source: White LED¹

- 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
- Not all products qualify for DLC listing. For a complete listing of the EV3D products that qualify for DLC, please go to the DLC website.

Custom Output - Lumens OR Wattage

CL _____	Specify CRI, CCT and desired lumens (i.e. CL8351200)	Specify lumens between standard offering listed below. Lumens are specified per color temp
CW _____	Specify CRI, CCT and desired wattage (i.e. CW94015)	Specify watts between standard offering listed below

80 CRI

	Color	Lumens per foot	Shielding ¹											
			A Satine LPW		AL Drop LPW		HE High Efficiency LPW		BW Batwing LPW		WHE Asymmetric LPW		HED Descent LPW	
			Watts/ft	Watts/ft	Watts/ft	Watts/ft	Watts/ft	Watts/ft	Watts/ft	Watts/ft	Watts/ft	Watts/ft		
830	3000K	500	97	5.2	120	4.2	107	4.7	102	4.9	99	5.1	95	5.2
830HO	3000K	750	97	7.8	121	6.2	108	6.9	103	7.3	100	7.5	95	7.9
830VHO	3000K	1000	84	11.8	121	8.2	111	9.0	104	9.6	102	9.8	97	10.3
835	3500K	500	99	5.0	124	4.0	110	4.5	105	4.8	102	4.9	97	5.1
835HO	3500K	750	100	7.5	125	6.0	111	6.8	105	7.1	103	7.3	98	7.7
835VHO	3500K	1000	87	11.5	125	8.0	111	9.0	108	9.3	104	9.6	100	10.0
840	4000K	500	99	5.0	124	4.0	110	4.5	105	4.8	102	4.9	97	5.1
840HO	4000K	750	100	7.5	125	6.0	111	6.8	105	7.1	103	7.3	98	7.7
840VHO	4000K	1000	88	11.4	125	8.0	111	9.0	108	9.3	104	9.6	100	10.0

90 CRI

927	2700K	500	79	6.3	100	5.0	88	5.7	84	6.0	81	6.2	78	6.4
927HO	2700K	750	82	9.2	100	7.5	89	8.5	84	9.0	84	8.9	80	9.4
930	3000K	500	85	5.9	108	4.6	97	5.2	90	5.6	87	5.7	84	5.9
930HO	3000K	750	86	8.7	109	6.9	96	7.8	91	8.2	88	8.5	85	8.9
935	3500K	500	85	5.9	107	4.7	96	5.2	90	5.6	87	5.7	84	5.9
935HO	3500K	750	86	8.7	108	6.9	96	7.8	91	8.3	88	8.5	84	8.9
940	4000K	500	85	5.9	107	4.7	96	5.2	90	5.6	87	5.7	84	5.9
940HO	4000K	750	86	8.7	108	6.9	96	7.8	91	8.3	88	8.5	84	8.9

Direct Source: BIOS¹

- CRI >84, R9 >90
- Spectrum focused lighting for circadian stimulus
- High EML or M/P ratio: .8 for 3500K, .9 for 4000K
- COI: ≤3.3
- Available for use with most Driver or Control options

Custom Output - Lumens OR Wattage

CLB _____	Specify CRI, CCT and desired lumens (i.e. CLB35500)	Specify lumens between standard offering listed below. Lumens are specified per color temp
CWB _____	Specify CRI, CCT and desired wattage (i.e. CWB9407)	Specify watts between standard offering listed below

BIOS

	Color	Lumens per foot	Shielding ¹					
			A Satine LPW		HE High Efficiency LPW		BW Batwing LPW	
			Watts/ft	Watts/ft	Watts/ft	Watts/ft	Watts/ft	Watts/ft
B35	3500K	500	57	8.7	67	7.4	61	8.2
B35HO	3500K	750	N/A		66	11.4	60	12.5
B40	4000K	500	59	8.6	69	7.2	62	8.0
B40HO	4000K	750	N/A		68	11.1	61	12.3

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

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Indirect Source: White LED¹

- 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
- Not all products qualify for DLC listing. For a complete listing of the EV3D products that qualify for DLC, please go to the DLC website.

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		BW		WHE		HEA	
			HE High Efficiency LPW	Watts/ft	Batwing LPW	Watts/ft	Asymmetric LPW	Watts/ft	Ascent LPW	Watts/ft
830	3000K	500	129	3.9	123	4.0	100	5.0	125	4.0
830HO	3000K	750	131	5.7	127	5.9	100	7.5	127	5.9
830VHO	3000K	1000	134	7.5	127	7.9	102	101.7	129	7.7
835	3500K	500	133	3.8	127	3.9	103	4.9	129	3.9
835HO	3500K	750	136	5.5	130	5.8	104	7.2	131	5.7
835VHO	3500K	1000	138	7.3	132	7.6	105	9.5	134	7.5
840	4000K	500	133	3.8	127	3.9	103	4.9	129	3.9
840HO	4000K	750	136	5.5	130	5.8	104	7.2	131	5.7
840VHO	4000K	1000	138	7.3	132	7.6	105	9.5	134	7.5

90 CRI

927	2700K	500	109	4.6	105	4.8	82	6.1	105	4.7
927HO	2700K	750	110	6.8	105	7.1	82	9.1	107	7.0
927VHO	2700K	1000	109	9.2	108	9.3	N/A		109	9.2
930	3000K	500	117	4.3	112	4.5	88	5.7	114	4.4
930HO	3000K	750	118	6.4	114	6.6	89	8.4	115	6.5
930VHO	3000K	1000	118	8.4	114	8.8	91	11.0	115	8.7
935	3500K	500	117	4.3	112	4.5	88	5.7	113	4.4
935HO	3500K	750	117	6.4	113	6.6	89	8.5	115	6.5
935VHO	3500K	1000	118	8.5	113	8.8	90	11.1	115	8.7
940	4000K	500	117	4.3	112	4.5	88	5.7	113	4.4
940HO	4000K	750	117	6.4	113	6.6	89	8.5	115	6.5
940VHO	4000K	1000	118	8.5	113	8.8	90	11.1	115	8.7

Indirect Source: BIOS¹

- CRI >84, R9 >90
- Spectrum focused lighting for circadian stimulus
- High EML or M/P ratio: .8 for 3500K, .9 for 4000K
- COI: >3.0
- Available for use with most Driver or Control options

Custom Output - Lumens OR Wattage

CLB _____	Specify CRI, CCT and desired lumens (i.e. CL835500)	Specify lumens between standard offering listed below. Lumens are specified per color temp
CWB _____	Specify CRI, CCT and desired wattage (i.e. CW9407)	Specify watts between standard offering listed below

BIOS

	Color	Lumens per foot	Shielding ¹	
			HE High Efficiency LPW	Watts/ft
B35	3500K	500	84	6.0
B35HO	3500K	750	84	8.9
B35VHO	3500K	1000	82	12.3
B40	4000K	500	85	5.9
B40HO	4000K	750	84	9.0
B40VHO	4000K	1000	83	12.1

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

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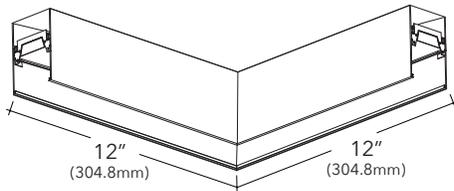


Length

- 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

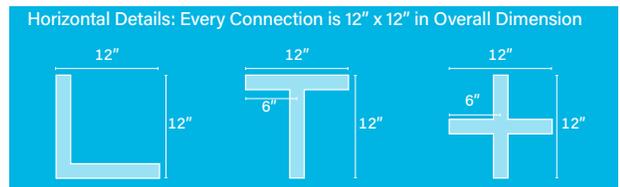
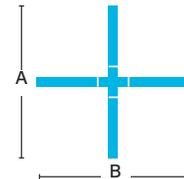
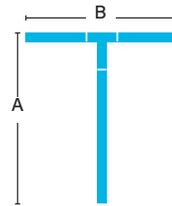
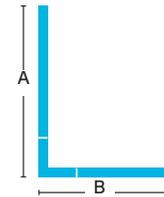
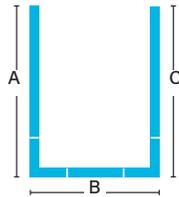
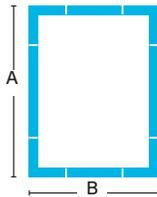
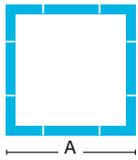
2	3	4	5	6	7	8	—
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run
24-3/8" (619.1mm)	36-3/8" (934.8mm)	48-3/8" (1228.7mm)	60-3/8" (1533.5mm)	72-3/8" (1838.3mm)	84-3/8" (2143.1mm)	96-3/8" (2447.9mm)	Specify nominal overall row length to the 1/8" Longer lead-time may apply for lengths to the 1/8" Consult factory.
							Specify to the 1/8"

Pattern



- 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	M
Square Provide A Example: S4' Minimum Length- 4'x4'	Rectangle Provide AxB Example: R4'x4' Minimum Length- 4'x4'	U-Shape Provide AxBxC Example: U3'x4'x3' Minimum Length- 3'x4'x3'	L-Shape Provide AxB Example: L3'x3' Minimum Length- 3'x3'	T-Shape Provide AxB Example: T3'x5' Minimum Length- 3'x5'	X-Shape Provide AxB Example: X5'x5' Minimum Length- 5'x5'	Mod Layout For patterns or lengths not shown or standard



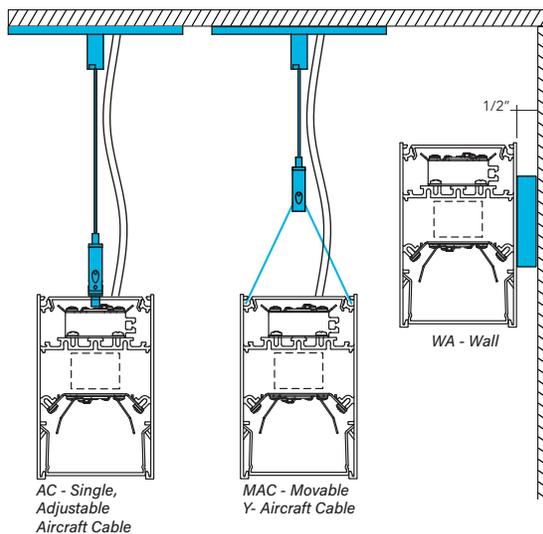


Mounting

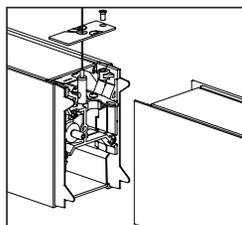
- Specify cable length in ordering code (AC48G1)
- Standard specifiable lengths are 48", 120", 240" and 350"
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- Maximum recommended movable mounting locations are 12" from end of 4' 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



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.

Voltage

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

OL2	Osram Optotronic 1%, 0-10v, nominal 1% dimming range
OL5	Osram Optotronic 1%, 0-10v, AUX
OD1	Osram Optotronic 1%, DEXAL
EE1	eldoLED ECOdrive 1%, 0-10v Logarithmic
EE6	eldoLED ECOdrive 1%, for nLight Air Wireless
ES1	eldoLED SOLOdrive 0%, 0-10v Logarithmic
ES6	eldoLED SOLOdrive 0%, for nLight Air Wireless
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
L51	Lutron 5-Series 5%, EcoSystem, LDE5
PL2	Advance Xitanium 1%, 0-10v
PR1	Advance Xitanium SR, requires EASY, VDO, or VRF
ND	Non-Dimming

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EX3DI_LED_SPEC_JAN2021



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

For Approximate Battery Lumen Output

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

0	No battery
_PL	Bodine 10w Integral
_IL	Iota 10w Integral

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 <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>



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
XLED	Fixed Xicato LED

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 <i>See pg 2</i>	(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 Universal (120-277) 1 120V 2 277V	OL2 Osram 0-10v, 1% PL2 Advance Xitanium 0-10v, 1% LH1 Lutron LDE1 ND Non-Dimming	1 Single Circuit E Emergency N Night Light	0 None I Iota 10w Integral	W White S Silver BL 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.

Controls

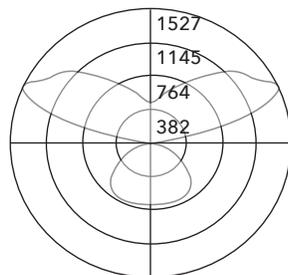
- Pinnacle Lighting offers easy to specify network control solutions that connect to an intelligent centralized system to maximize lighting energy efficiencies or integral sensors for individual fixture control
- Pinnacle Lighting fixtures ship technology ready; commissioning by others
- Controls can 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/sensor per run typical, contact factory for more information
- Must specify required driver in driver section

	Solution	Components	Network/Sensor	Connection	Required Drivers	Limitations
EASYS	Philips EasySense	SNS-200	Daylight/PIR Occupancy	Wireless to switches	PR1	Not available with 347 volt
SNSLM	Osram Sensillum	EN-CLM-PIR-DD-ZB	Encelium, Daylight/PIR Occupancy	Wireless	OD1, OL5	Not available with 347 volt
WLVX	Eaton WaveLinx	SWPD1, MSP3IVMVC1	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

Photometrics

Satine Lens - Open

Test # ITL89827
 Catalog # EX3DI-BW-BW-840-840HO-4
 Lumens 5608 lm
 Watts 50.8 W
 Efficacy 110.4 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	666	666	666	666	666
5	663	663	665	667	668
15	640	642	657	671	675
25	591	597	635	674	689
35	519	533	596	662	687
45	430	450	526	598	620
55	328	351	420	472	479
65	221	239	286	315	316
75	112	122	146	156	153
85	20	25	30	31	30
90	0	0	0	0	0
95	30	79	458	125	81
105	115	148	703	1127	877
115	211	228	528	1307	1527
125	267	308	527	1092	1284
135	298	353	562	904	1090
145	336	391	564	756	845
155	379	420	532	639	680
165	417	435	485	531	551
175	438	441	447	453	456
180	441	441	441	441	441

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6606	8081	9525
55	6212	7954	9072
65	5681	7351	8122
75	4701	6128	6422
85	2493	3739	3739

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.



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. All 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.

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 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. For LED (lamps are not included). Consult factory for other lamp types. Standard 60 watt max LED electronic transformer (120v or 277v), MR16 installed as an independent circuit. MR16 to match fixture voltage. 277v dimmer must be sourced. Consult factory for MR16 configurations. Pinnacle's MR16 applications are to be used with Soraa lamps with a maximum of 13 transformers on one circuit.

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 Listed. 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.