

# 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

<b>EX3DI</b>	<b>DIRECT SHIELDING</b>	<b>INDIRECT SHIELDING</b>	<b>DIRECT SOURCE</b>	<b>INDIRECT SOURCE</b>	<b>LENGTH OR PATTERN</b>	<b>MOUNTING</b>	<b>VOLTAGE</b>	<b>DRIVER</b>	<b>CIRCUITING</b>	<b>BATTERY &amp; EMERGENCY</b>	<b>FINISH</b>	<b>FIXTURE OPTIONS</b>	<b>CONTROLS</b>
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DIRECT SHIELDING	INDIRECT SHIELDING	DIRECT SOURCE <i>QS</i> <sup>1</sup>	INDIRECT SOURCE <i>QS</i> <sup>1</sup>
<b>A</b> - Satine Lens <i>QS</i> <b>AL</b> - Drop Lens <b>HE</b> - High Efficiency <i>QS</i> <b>BW</b> - Batwing <i>QS</i> <b>WHE</b> - Asymmetric <i>QS</i> <b>HED</b> - Descent <i>Shielding pg. 2</i>	<b>HE</b> - High Efficiency <i>QS</i> <b>BW</b> - Batwing <i>QS</i> <b>WHE</b> - Asymmetric <i>QS</i> <b>HEA</b> - Ascent <i>Shielding pg. 2</i>	<b>27</b> - 2700K <b>30</b> - 3000K <b>35</b> - 3500K <b>40</b> - 4000K <b>CL</b> - Custom Lumens <b>CW</b> - Custom Watts <i>Lumen Output pg. 2</i>	<b>27</b> - 2700K <b>30</b> - 3000K <b>35</b> - 3500K (available with BIOS) <b>40</b> - 4000K (available with BIOS) <b>CL</b> - Custom Lumens <b>CW</b> - Custom Watts <i>Lumen Output pg. 3-4</i>

LENGTH OR PATTERN <sup>2</sup>	MOUNTING <sup>3</sup>	VOLTAGE	DRIVER	CIRCUITING
<b>---</b> Individual Fixture <i>QS</i> <b>---</b> Continuous Row <i>QS</i> <b>L_x_x</b> - L Shape <i>QS</i> <b>R_x_x</b> - Rectangle <i>QS</i> <b>S_x_x</b> - Square <i>QS</i> <b>U_x_x_x</b> - U-Shape <i>QS</i> <b>T_x_x</b> - T Shape <b>X_x_x_x</b> - X Shape <b>M</b> - Mod Layout <i>Length and Pattern pg. 4-5</i>	<b>AC_G</b> - (M)AC to Grid <i>QS</i> <b>AC_JB</b> - (M)AC to J Box <i>QS</i> <b>AC_ST</b> - (M)AC to Structure <i>QS</i> <b>WA</b> - Wall Mount <i>QS</i> <b>AC5_G</b> - 5" Non-Power Canopy <b>AC5_JB</b> - 5" Non-Power Canopy <b>SQ_G</b> - 5" Square Canopy <b>SQ_JB</b> - 5" Square Canopy <i>Mounting pg. 5</i>	<b>U</b> - Universal <i>QS</i> <i>(120 thru 277V)</i> <b>1</b> - 120V <i>QS</i> <b>2</b> - 277V <i>QS</i> <b>3</b> - 347V <i>Voltage pg. 6</i>	<b>PL2</b> - Advance Xitanium (1%, 0-10v) <b>OL4</b> - Osram 347V (1%, 0-10v) <b>EE1</b> - eldoLED ECOdrive (1%, 0-10v) <b>LH1</b> - Lutron Hi-lume (1%, EcoSystem) <i>QS</i> <b>L51</b> - Lutron 5-Series (5%, EcoSystem) <b>PS1</b> - Advance Xitanium (50%/100%) <b>OL2</b> - Osram (1%, 0-10v) <b>ND</b> - Non-Dimming <i>QS</i> <i>Driver pg. 6</i>	<b>1</b> - Single Circuit <i>QS</i> <b>2</b> - Dual Circuit <b>M</b> - Multi Circuit <b>E</b> - Emergency <i>QS</i> <i>(entire fixture)</i> <b>N</b> - Night Light <i>QS</i> <i>(entire fixture)</i> <i>Circuiting pg. 6</i>

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

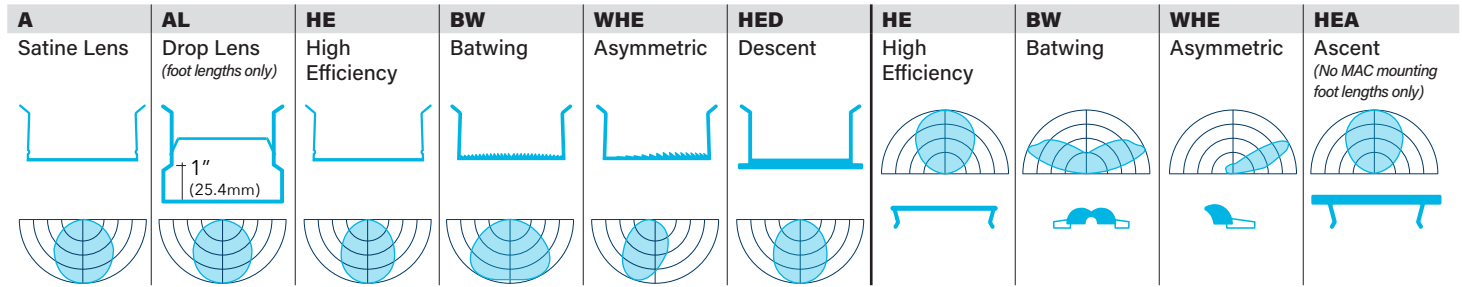
<sup>1</sup>When specifying SOURCE the first \_ is for specifying either 8 - 80CRI or 9 - 90CRI. The ending \_ \_ are for specifying output, example HO - High Output. See output charts for more information. BIOS dynamic available, please contact factory for more information. For Quickship CRI, CCT &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

Indirect Shielding



Direct Source: White LED<sup>1</sup>

- 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

<b>CL</b> _____	Specify CRI, CCT and desired lumens (i.e. CL835500)	Specify lumens between standard offering listed below. Lumens are specified per color temp
<b>CW</b> _____	Specify CRI, CCT and desired wattage (i.e. CW9407)	Specify watts between standard offering listed below

80 CRI

	Color	Lumens per foot	Shielding <sup>1</sup>											
			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		
<b>830</b>	3000K	500	110	4.5	117	4.3	126	4.0	119	4.2	123	4.1	109	4.6
<b>830HO</b>	3000K	750	108	7.0	116	6.4	128	5.9	120	6.3	124	6.1	106	7.1
<b>830VHO</b>	3000K	1000	112	11.8	123	8.2	130	7.7	125	8.0	125	8.0	111	9.0
<b>835</b>	3500K	500	114	4.4	121	4.1	130	3.8	123	4.1	125	4.0	112	4.5
<b>835HO</b>	3500K	750	110	6.8	121	6.2	133	5.6	123	6.1	128	5.9	109	6.9
<b>835VHO</b>	3500K	1000	115	8.7	127	7.9	137	7.3	125	8.0	129	7.7	114	8.8
<b>840</b>	4000K	500	114	4.4	121	4.1	130	3.8	123	4.1	125	4.0	112	4.5
<b>840HO</b>	4000K	750	110	6.8	121	6.2	133	5.6	123	6.1	128	5.9	109	6.9
<b>840VHO</b>	4000K	1000	115	8.7	127	7.9	137	7.3	125	8.0	129	7.7	114	8.8

90 CRI

<b>927</b>	3000K	500	90	5.5	99	5.1	107	4.7	100	5.0	104	4.8	89	5.6
<b>927HO</b>	3000K	750	93	8.1	101	7.4	104	7.2	103	7.3	106	7.1	92	8.2
<b>927VHO</b>	3000K	1000	90	11.1	100	10.0	109	9.2	101	9.9	105	9.5	89	11.2
<b>930</b>	3000K	500	99	5.1	107	4.7	113	4.4	108	4.6	112	4.5	97	5.1
<b>930HO</b>	3000K	750	98	7.6	104	7.2	112	6.7	106	7.1	108	6.9	97	7.7
<b>930VHO</b>	3000K	1000	99	10.1	109	9.2	118	8.4	111	9.0	114	8.8	98	10.2
<b>935</b>	3500K	500	98	5.1	106	4.7	113	4.4	108	4.6	112	4.5	97	5.2
<b>935HO</b>	3500K	750	98	7.7	104	7.2	112	6.7	106	7.1	109	6.9	96	7.8
<b>935VHO</b>	3500K	1000	99	10.1	109	9.2	118	8.5	110	9.1	114	8.8	97	10.3
<b>940</b>	4000K	500	98	5.1	106	4.7	113	4.4	108	4.6	112	4.5	97	5.2
<b>940HO</b>	4000K	750	98	7.7	104	7.2	112	6.7	106	7.1	109	6.9	96	7.8
<b>940VHO</b>	4000K	1000	99	10.1	109	9.2	118	8.5	110	9.1	114	8.8	97	10.3

Direct Source: Blanco3<sup>1</sup>

- CRI >90, R9 >92
- 3 Channel tunable white for precise black body curve CCT
- Allows for high color consistency between fixtures
- Self-commissioning with Wattstopper DLM integrated controls
- Requires Control Ordering Code **B3LM** (pg. 6)
- Requires Drive Ordering Code **EC2** (pg. 4)

Blanco 3 Tunable White (TW3)

	Range	Shielding <sup>1</sup>												
		A Satine		HE High Efficiency			BW Batwing							
		Lumens/ft	LPW	Watts/ft	Lumens/ft	LPW	Watts/ft	Lumens/ft	LPW	Watts/ft				
<b>TW3</b>	2700-6500K	615	74	8.6	726	84	8.6	680	79	8.6				

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

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### Indirect Source: White LED<sup>1</sup>

- 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

<b>CL</b> _____	Specify CRI, CCT and desired lumens (i.e. CL835500)	Specify lumens between standard offering listed below. Lumens are specified per color temp
<b>CW</b> _____	Specify CRI, CCT and desired wattage (i.e. CW9407)	Specify watts between standard offering listed below

#### 80 CRI

	Color	Lumens per foot	Shielding <sup>1</sup>		BW Batwing		WHE Asymmetric		HEA Ascent	
			HE High Efficiency LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft
<b>830</b>	3000K	500	132	3.8	126	4.0	102	4.9	128	3.9
<b>830HO</b>	3000K	750	135	5.6	128	5.9	104	7.2	131	5.7
<b>830VHO</b>	3000K	1000	139	7.2	129	7.7	103	9.7	135	7.4
<b>835</b>	3500K	500	136	3.7	130	3.9	105	4.8	132	3.8
<b>835HO</b>	3500K	750	139	5.4	133	5.6	102	7.4	135	5.6
<b>835VHO</b>	3500K	1000	143	7.0	137	7.3	106	9.4	139	7.2
<b>840</b>	4000K	500	136	3.7	130	3.9	105	4.8	132	3.8
<b>840HO</b>	4000K	750	139	5.4	133	5.6	102	7.4	135	5.6
<b>840VHO</b>	4000K	1000	143	7.0	137	7.3	106	9.4	139	7.2

#### 90 CRI

<b>927</b>	2700K	500	111	4.5	106	4.7	82	6.1	108	4.6
<b>927HO</b>	2700K	750	109	6.9	104	7.2	85	8.8	106	7.1
<b>927VHO</b>	2700K	1000	113	8.8	109	9.2	83	12.1	110	9.1
<b>930</b>	3000K	500	118	4.2	113	4.4	91	5.5	114	4.4
<b>930HO</b>	3000K	750	119	6.3	112	6.7	93	8.1	114	6.6
<b>930VHO</b>	3000K	1000	124	8.1	118	8.5	91	11.0	120	8.4
<b>935</b>	3500K	500	118	4.2	113	4.4	90	5.5	114	4.4
<b>935HO</b>	3500K	750	118	6.3	112	6.7	93	8.1	113	6.6
<b>935VHO</b>	3500K	1000	123	8.1	118	8.5	90	11.1	119	8.4
<b>940</b>	4000K	500	118	4.2	113	4.4	90	5.5	114	4.4
<b>940HO</b>	4000K	750	118	6.3	112	6.7	93	8.1	113	6.6
<b>940VHO</b>	4000K	1000	123	8.1	118	8.5	90	11.1	119	8.4

### Direct Source: Blanco3<sup>1</sup>

- CRI >90, R9 >92
- 3 Channel tunable white for precise black body curve CCT
- Allows for high color consistency between fixtures
- Self-commissioning with Wattstopper DLM integrated controls
- Requires Control Ordering Code **B3LM** (pg. 6)
- Requires Drive Ordering Code **EC2** (pg. 4)

### Blanco 3 Tunable White (TW3)

	Range	Shielding <sup>1</sup>		
		HE High Efficiency Lumens/ft	LPW	Watts/ft
<b>TW3</b>	2700-6500K	727	85	8.5

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

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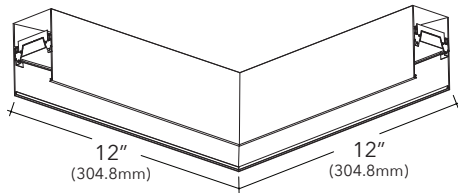


## Length

- 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

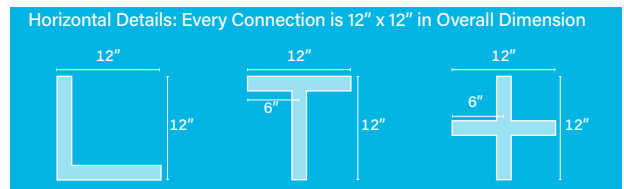
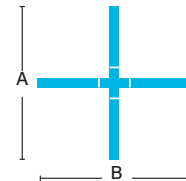
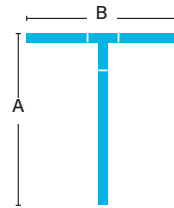
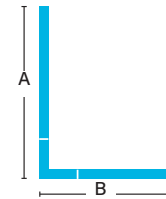
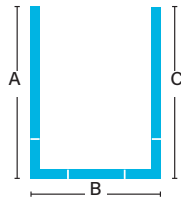
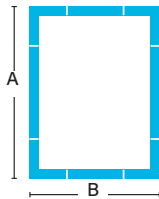
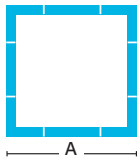
2	3	4	5	6	7	8	-
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run
24-3/8" (619.1mm)	36-3/8" (934.8mm)	48-3/8" (1228.7mm)	60-3/8" (1533.5mm)	72-3/8" (1838.3mm)	84-3/8" (2143.1mm)	96-3/8" (2447.9mm)	Specify nominal overall row length to the 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: <b>S4'</b> Minimum Length- 4'x4'	Rectangle Provide AxB Example: <b>R4'x4'</b> Minimum Length- 4'x4'	U-Shape Provide AxBxC Example: <b>U3'x4'x3'</b> Minimum Length- 3'x4'x3'	L-Shape Provide AxB Example: <b>L3'x3'</b> Minimum Length- 3'x3'	T-Shape Provide AxB Example: <b>T3'x5'</b> Minimum Length- 3'x5'	X-Shape Provide AxB Example: <b>X5'x5'</b> Minimum Length- 5'x5'	Mod Layout For patterns or lengths not shown or standard



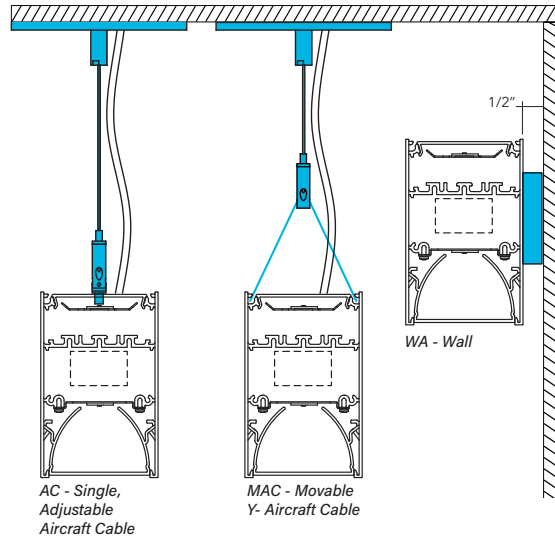


## Mounting

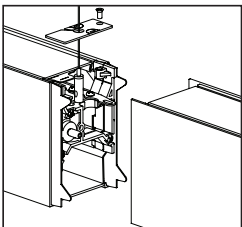
- Specify cable length in ordering code (AC48G1)
- Standard specifiable lengths are 48", 120", 240" and 350"
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- Maximum recommended movable mounting locations are 12" from end of 4'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

<b>AC_G1</b>	Aircraft Cable 1" (15/16") T-Bar
<b>AC_G9</b>	Aircraft Cable 9/16" T-Bar
<b>AC_GS</b>	Aircraft Cable Screw Slot T-Bar
<b>AC_JB</b>	Aircraft Cable Junction Box
<b>AC_ST</b>	Aircraft Cable Structure
<b>AC5_G</b>	Aircraft Cable 5" (127mm) Non-Power Canopy
<b>AC5_JB</b>	Aircraft Cable 5" (127mm) Non-Power Canopy
<b>SQ_G</b>	Aircraft Cable 5" (127mm) Square Canopy
<b>SQ_JB</b>	Aircraft Cable 5" (127mm) Square Canopy
<b>MAC_G1</b>	Moveable AC 1" (15/16") T-Bar
<b>MAC_G9</b>	Moveable AC 9/16" T-Bar
<b>MAC_GS</b>	Moveable AC Screw Slot T-Bar
<b>MAC_JB</b>	Moveable AC Junction Box
<b>MAC_ST</b>	Moveable AC Structure
<b>MAC5_G</b>	Moveable AC 5" (127mm) Non-Power Canopy
<b>MAC5_JB</b>	Moveable AC 5" (127mm) Non-Power Canopy
<b>MSQ_G</b>	Moveable AC 5" (127mm) Square Canopy
<b>MSQ_JB</b>	Moveable AC 5" (127mm) Square Canopy
<b>WA</b>	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

<b>U</b>	Universal
<b>1</b>	120 volt
<b>2</b>	277 volt
<b>3</b>	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 EX3DI configurations will not accommodate all driver options; consult with factory

<b>PL2</b>	Advance Xitanium 1%, 0-10v
<b>OL4</b>	Osram Optotronic 347v, 1%, 0-10v (requires 347v)
<b>OL5</b>	Osram Optotronic 1%, 0-10v, AUX
<b>OD1</b>	Osram Optotronic 1%, DEXAL
<b>EE1</b>	eldoLED ECOdrive 1%, 0-10v Logarithmic
<b>EE2</b>	eldoLED ECOdrive 1%, 0-10v Linear
<b>ES1</b>	eldoLED SOLOdrive 0%, 0-10v Logarithmic
<b>ES2</b>	eldoLED SOLOdrive 0-10v, 0% Linear
<b>LH1</b>	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
<b>L51</b>	Lutron 5-Series 5%, EcoSystem, LDE5
<b>PR1</b>	Advance Xitanium SR, requires EASY, VDO, or VRF
<b>EC2</b>	Constant Voltage LED driver, 120v or 277v required
<b>OL2</b>	Osram Optotronic 1%, 0-10v, nominal 1% dimming range
<b>ND</b>	Non-Dimming

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.

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EX3DI\_LED\_SPEC\_JUNE2021



## 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

<b>1</b>	Single Circuit
<b>2</b>	Dual Circuit
<b>M</b>	Multi Circuit
<b>E</b>	Emergency Circuit only
<b>N</b>	Night Light Circuit only

- 2** + **3**
- Battery and emergency section options are available in addition to fixture circuit
  - Select battery and emergency section options below; factory shop drawing required
  - Some 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

#### 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
- $92.3 \text{ (LPW)} \times 10 \text{ (watts)} = 923 \text{ battery lumen output}$

<b>0</b>	No battery
<b>_PLL</b>	Bodine 10w Integral Lithium <i>(self testing)</i>
<b>_ILL</b>	Iota 10w Integral <i>(self testing)</i>

#### Emergency

- Select emergency section type if required, indicate total QTY. *Example 1E*
- Combine battery and emergency section ordering codes if both options are selected

<b>_E</b>	Emergency circuit section
<b>_N</b>	Night Light circuit section
<b>_L</b>	Life Safety circuit section NO THROUGH WIRE
<b>_G</b>	Bodine GTD, Generator Transfer Device section

#### Battery OR Emergency Ordering Examples

- Single circuit, 10w Integral Battery      Ordering Code: 1-1PL
- 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

<b>W</b>	White <i>(white cord/white canopy)</i>
<b>S</b>	Metallic Silver <i>(grey cord/silver canopy)</i>
<b>BL</b>	Textured Black <i>(black cord/black canopy)</i>
<b>BR</b>	Bronze <i>(white cord/bronze canopy)</i>
<b>GR</b>	Graphite <i>(white cord/graphite canopy)</i>
<b>CC</b>	Custom Color <i>(white cord/color match canopy)</i>



## 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

<b>LMRF</b>	Adjustable MR16 LED
<b>XLED</b>	Fixed Xicato LED

## Quick Ship

Shielding	CRI, CCT & Output	Mounting	Voltage	Driver	Circuiting	Battery	Finish
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## 10-Day

<b>A</b> - Direct <b>HE</b> - Direct <b>BW</b> - Direct <b>WHE</b> - Direct <b>HE</b> - Indirect <b>BW</b> - Indirect <b>WHE</b> - Indirect	80 CRI, all color temperatures, all lumen packages <i>See pg 2</i>	<b>(M)AC48G_</b> <b>(M)AC48JB</b> <b>(M)AC48ST</b>  <b>W</b> <b>S</b>	(M)AC to Grid (M)AC to J-BOX (M)AC to Structure Wall Mount Surface Mount	<b>U</b> <b>1</b> <b>2</b>	Universal (120-277) 120V 277V	<b>PL2</b> <b>LH1</b> <b>OL2</b> <b>ND</b>	Advance Xitanium 0-10v, 1% Lutron LDE1 Osram 0-10v, 1% Non-Dimming	<b>1</b> <b>E</b> <b>N</b>	Single Circuit Emergency Night Light	<b>0</b> <b>_ILL</b>	None Iota 10w Integral	<b>W</b> <b>S</b> <b>BL</b>	White Silver Black
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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	Limitation
<b>DLMFS</b>	Legrand Wattstopper LLLC	LMFS-601-W / LMFI-111	Wireless DLM Fixture Sensor	Wireless	OD1, PR1 or 0-10v	0-10v requires interface
<b>EASYS</b>	Philips EasySense	SNS-200	Daylight/PIR Occupancy	Wireless to switches	PR1	Not available with 347 volt
<b>SNSLM</b>	Osram Sensilum	EN-CLM-PIR-DD-ZB	Encelium, Daylight/PIR Occupancy	Wireless	OD1, OL5	Not available with 347 volt
<b>WLWX</b>	Eaton Wavelinx	SWPDI, NSP3IVMVDC1	WaveLinx WCL, Daylight	Wireless	Any 0-10v	Not available with 347 volt
<b>VDO</b>	Lutron Vive Sensor	DFCSJ-OEM-OCC	Vive, Daylight/PIR Occupancy	Wireless	OD1, PR1	Not available with 347 volt
<b>VRF</b>	Lutron Vive Connected	DFCSJ-OEM-RF	Vive	Wireless	OD1, PR1	Not available with 347 volt

## Controls: Tunable White

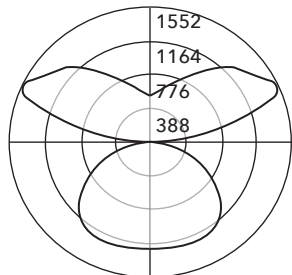
- Pinnacle Lighting offers easy to specify tunable white solutions for integrated building control solutions or standalone controls
- Pinnacle Lighting fixtures ship technology ready; commissioning by others
- Controls can only be used with Single Circuit (1) or Emergency Circuit (E)
- Contact factory for any non-standard configurations for layout or placement

	Solution	Components	Network/Sensor	Connection	RQD Drivers	RQD LED	RQD Controls	Limitations
<b>B3LM</b>	Legrand Wattstopper Blanco 3	BLM3-DLM	Digital Lighting Management (DLM)	Wired, two RJ45 ports	EC2	TW3	B3LM	Not available with 347 volt

## Photometrics

### Satine Lens - Open

Test # 91451, 91463, 93985  
 Catalog # EX3DI-BW-BW-840VHO-840VHO-4  
 Lumens 8000 lm  
 Watts 60 w  
 Efficacy 133.3 LPW



### Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1275	1275	1275	1275	1275
5	1269	1270	1273	1276	1277
15	1221	1224	1253	1278	1286
25	1123	1136	1204	1264	1287
35	982	1010	1113	1206	1243
45	810	849	968	1071	1106
55	617	658	766	853	876
65	416	449	528	577	583
75	215	234	276	295	293
85	46	55	65	67	67
90	0	0	0	0	0
95	38	128	503	345	270
105	140	192	749	1133	1008
115	242	283	643	1357	1552
125	318	374	663	1192	1386
135	368	440	693	1078	1255
145	423	488	684	906	1016
155	480	524	650	769	822
165	526	545	600	650	670
175	550	552	559	566	569
180	553	553	553	553	553

### Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9427	11268	12871
55	8845	10990	12574
65	8104	10273	11358
75	6833	8760	9319
85	4334	6090	6364

<sup>1</sup>Based on ITL Reports 91451, 91463 and 93985.

For all available IES files, please visit our website at [pinnacle-ltg.com](http://pinnacle-ltg.com). Photometry testing in accordance to IESNA-LM-79-08 at an NVLAP accredited testing laboratory. Testing conducted at 25°C ambient conditions.

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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. 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.

**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. 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°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.

**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.