

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

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

| LENGTH OR PATTERN ² | MOUNTING ³ | VOLTAGE | DRIVER | CIRCUITING |
|--|--|---|--|---|
| __ - Individual Fixture QS ₂ __ - Continuous Row QS ₂ L_x - L Shape QS ₂ R_x - Rectangle QS ₂ S_ - Square QS ₂ U_x_x - U-Shape QS ₂ T_x - T Shape X_x_x - X Shape M - Mod Layout <i>Length and Pattern pg. 4-5</i> | AC_G - (M)AC to Grid QS ₂ AC_JB - (M)AC to J Box QS ₂ AC_ST - (M)AC to Structure QS ₂ WA - Wall Mount QS ₂ 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 QS ₂ <i>(120 thru 277V)</i> 1 - 120V QS ₂ 2 - 277V QS ₂ 3 - 347V <i>Voltage pg. 6</i> | PL2 - Advance Xitanium (1%, 0-10v) OL4 - Osram 347V (1%, 0-10v) EE1 - eldoLED ECOdrive (1%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) QS ₂ PS1 - Advance Xitanium (50%/100%) OL2 - Osram (1%, 0-10v) ND - Non-Dimming QS ₂ <i>Driver pg. 6</i> | 1 - Single Circuit QS ₂ 2 - Dual Circuit M - Multi Circuit E - Emergency QS ₂ <i>(entire fixture)</i> N - Night Light QS ₂ <i>(entire fixture)</i> <i>Circuiting pg. 6</i> |

| BATTERY & EMERGENCY ⁴ | FINISH | FIXTURE OPTIONS ⁵ | CONTROLS ⁶ |
|--|---|--|---|
| 0 - None QS ₂ PLL - Bodine 10W ILL - Iota 10W QS ₂ G - Bodine GTD <i>Battery and Emergency pg. 6</i> | W - White QS ₂ S - Metallic Silver QS ₂ BL - Textured Black QS ₂ BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 7</i> | QS - QuickShip QS ₂ LMRA - Adjustable MR16 (LED) XLED - Fixed Xicato LED <i>Fixture Options pg. 7</i> | 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) <i>Controls pg. 7</i> |

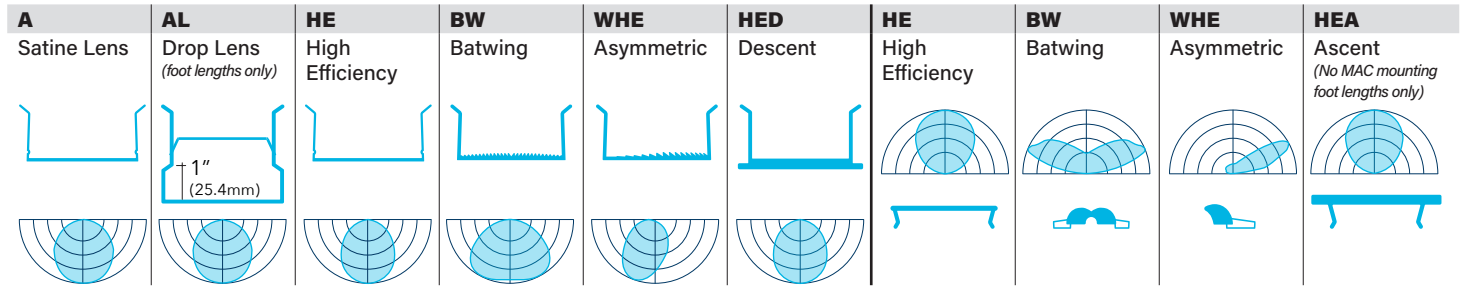
¹When specifying SOURCE the first _ is for specifying either 8 - 80CRI or 9 - 90CRI. The ending __ are for specifying output, example HO - High Output. See output charts for more information. BIOS dynamic available, please contact factory for more information. For Quickship CRI, CCT & Output see chart on page 6 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. 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 | | 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 | 110 | 4.5 | 117 | 4.3 | 126 | 4.0 | 119 | 4.2 | 123 | 4.1 | 109 | 4.6 |
| 830HO | 3000K | 750 | 108 | 7.0 | 116 | 6.4 | 128 | 5.9 | 120 | 6.3 | 124 | 6.1 | 106 | 7.1 |
| 830VHO | 3000K | 1000 | 112 | 11.8 | 123 | 8.2 | 130 | 7.7 | 125 | 8.0 | 125 | 8.0 | 111 | 9.0 |
| 835 | 3500K | 500 | 114 | 4.4 | 121 | 4.1 | 130 | 3.8 | 123 | 4.1 | 125 | 4.0 | 112 | 4.5 |
| 835HO | 3500K | 750 | 110 | 6.8 | 121 | 6.2 | 133 | 5.6 | 123 | 6.1 | 128 | 5.9 | 109 | 6.9 |
| 835VHO | 3500K | 1000 | 115 | 8.7 | 127 | 7.9 | 137 | 7.3 | 125 | 8.0 | 129 | 7.7 | 114 | 8.8 |
| 840 | 4000K | 500 | 114 | 4.4 | 121 | 4.1 | 130 | 3.8 | 123 | 4.1 | 125 | 4.0 | 112 | 4.5 |
| 840HO | 4000K | 750 | 110 | 6.8 | 121 | 6.2 | 133 | 5.6 | 123 | 6.1 | 128 | 5.9 | 109 | 6.9 |
| 840VHO | 4000K | 1000 | 115 | 8.7 | 127 | 7.9 | 137 | 7.3 | 125 | 8.0 | 129 | 7.7 | 114 | 8.8 |

90 CRI

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

Direct Source: Blanco3¹

- 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 ¹ | | | | | | | | |
|------------|------------|------------------------|-----|----------|--------------------|-----|----------|------------|-----|----------|
| | | A Satine | | | HE High Efficiency | | | BW Batwing | | |
| | | Lumens/ft | LPW | Watts/ft | Lumens/ft | LPW | Watts/ft | Lumens/ft | LPW | Watts/ft |
| TW3 | 2700-6500K | 615 | 74 | 8.6 | 726 | 84 | 8.6 | 680 | 79 | 8.6 |

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

90 CRI

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

Direct Source: Blanco3¹

- 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 ¹ | | |
|------------|------------|------------------------------------|-----|----------|
| | | HE High Efficiency Lumens/ft | LPW | Watts/ft |
| TW3 | 2700-6500K | 727 | 85 | 8.5 |

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

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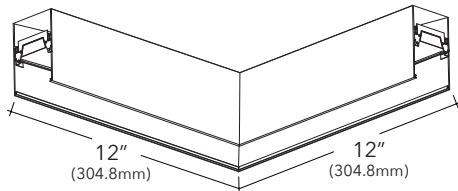


Length

- 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

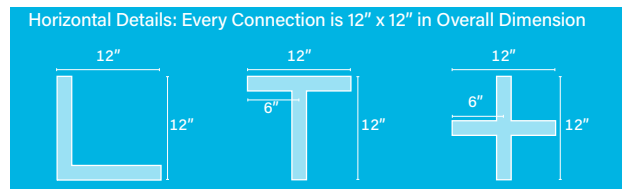
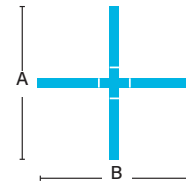
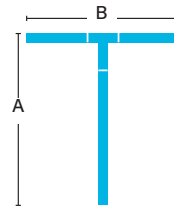
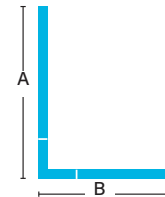
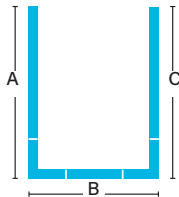
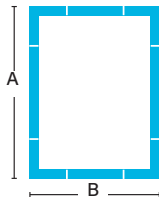
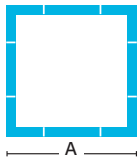
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | - |
|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|
| Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | Indiv. Fixture | 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 |



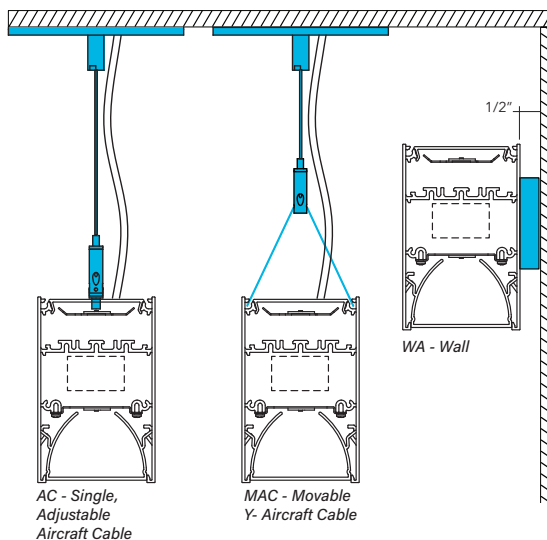


Mounting

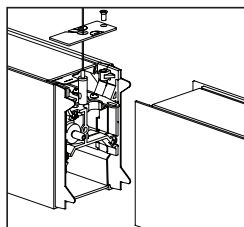
- Specify cable length in ordering code (AC48G1)
- Standard specifiable lengths are 48", 120", 240" and 350"
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- Maximum recommended movable mounting locations are 12" from end of 4'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

| | |
|------------|---|
| PL2 | Advance Xitanium 1%, 0-10v |
| OL4 | Osram Optotronic 347v, 1%, 0-10v (requires 347v) |
| OL5 | Osram Optotronic 1%, 0-10v, AUX |
| OD1 | Osram Optotronic 1%, DEXAL |
| 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 |
| LH1 | Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1 |
| PR1 | Advance Xitanium SR, requires EASY, VDO, or VRF |
| EC2 | Constant Voltage LED driver, 120v or 277v required |
| OL2 | Osram Optotronic 1%, 0-10v, nominal 1% dimming range |
| ND | Non-Dimming |

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EX3DI_LED_SPEC_AUG2021



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

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 |
| _PLL | Bodine 10w Integral Lithium <i>(self testing)</i> |
| _ILL | 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

| | |
|-----------|---|
| _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 1 2 | Universal (120-277) 120V 277V | PL2 LH1 OL2 ND | Advance Xitanium 0-10v, 1% Lutron LDE1 Osram 0-10v, 1% Non-Dimming | 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.

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-200 | Daylight/PIR Occupancy | Wireless to switches | PR1 | Not available with 347 volt |
| SNSLM | Encelium Sensilium | EN-CLM-PIR-DD-ZB | Encelium, Daylight/PIR Occupancy | Wireless | OD1, OL5 | Not available with 347 volt |
| WLWX | Eaton Wavelinx | SWPDI, 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: Tunable White

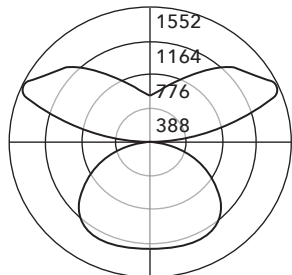
- Pinnacle Lighting offers easy to specify tunable white solutions for integrated building control solutions or standalone controls
- Pinnacle Lighting fixtures ship technology ready; commissioning by others
- Controls can only be used with Single Circuit (1) or Emergency Circuit (E)
- Contact factory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

| | Solution | Components | Network/Sensor | Connection | RQD Drivers | RQD LED | RQD Controls | Limitations |
|-------------|------------------------------|------------|-----------------------------------|-----------------------|-------------|---------|--------------|-----------------------------|
| B3LM | 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 |

¹Based 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°C ambient conditions.

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.

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.