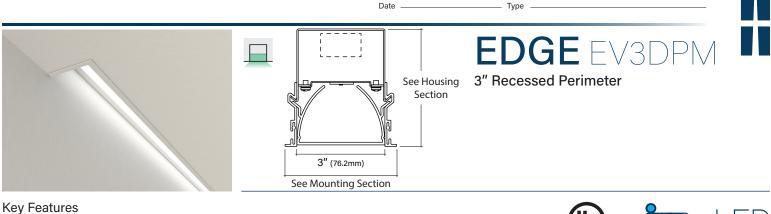
#### L Ρ NNA С Ε RCHITECTURAL LIGHTING

Project Name



- Extruded aluminum trim with formed cold rolled 18 gauge steel back box housing
- Highly reflective white painted steel reflector
- 5-year limited warranty covers LED, driver and fixture UL and cUL listed. IC rated
- Approved for dry/damp location unless otherwise noted Maximum fixture weight is 15lbs per 4ft fixture Room-Side Maintenance for LED system
- .
- Buy American Act compliant .
- . Indigo-Clean available, see Indigo-Clean specification sheets for details





HOUSING SHIELDING SOURCE LENGT PATTE		CIRCUITING BATTERY & FINISH FIXTUR EMERGENCY OPTIO	
HOUSING	SHIELDING	SOURCE	LENGTH OR PATTERN <sup>2</sup>
EV3DPM - Edge 3, Perimeter EV3DPM2 - Edge 3, Perimeter, 2" Regress EV3DPM3 - Edge 3, Perimeter, 3" Regress EV3DPM4 - Edge 3, Perimeter, 4" Regress MOD - Modifications Available Housing pg. 2	A - Satine Lens HE - High Efficiency Lens R - Regress Lens WHE - Asymmetric Lens Shielding pg. 2	<b>_27</b> 2700K <b>_30</b> 3000K <b>_35</b> 3500K <b>_40</b> 4000K <b>TW3</b> - Tunable White ( <i>Blanco 3</i> ) <b>CL</b> Custom Lumens <b>CW</b> Custom Watts <b>MOD</b> - Mod options available <i>Lumen Output pg. 2-3</i>	Individual Fixture Continuous Row SI Inside Square SO Outside Square RI_x Inside Rectangle RO_x Outside Rectangle UI_x Inside U Shape UO_x Outside U Shape LI_x Inside L Shape LO_x Outside L Shape LO_x Outside L Shape
	_		_
MOUNTING <sup>3</sup>	VOLTAGE	DRIVER	CIRCUITING
G1(G) - 1" (15/16") T Bar G9(G) - 9/16" T Bar GB(G) - 9/16" Bevel T Bar GS(G) - Screw Slot T Bar FL(F) - 1/2" Flange NF(N) - Non Flange SF(S) - Spackle Flange MOD - Mod options available <i>Mounting pg. 4</i>	U - Universal (120 thru 277V) 1 - 120V 2 - 277V 3 - 347V Voltage pg. 4	FSD - Factory Select Driver (1%, 0-10v)         PL2 - Advance Xitanium (1%, 0-10v)         OL2 - Osram (1%, 0-10v)         OL4 - Osram 347v (1%, 0-10v)         EE1 - eldoLED ECOdrive (1%, 0-10v)         ES1 - eldoLED SOLOdrive (0%, 0-10v)         LH1 - Lutron Hi-lume (1%, EcoSystem)         L51- Lutron 5-Series (5%, EcoSystem)         PR1 - Advance Xitanium SR         MOD - Mod options available         Driver pg. 5	<ul> <li>1 - Single Circuit</li> <li>M - Multi Circuit</li> <li>E - Emergency (entire fixture)</li> <li>N - Night Light (entire fixture)</li> <li>Circuiting pg. 6</li> </ul>
BATTERY & EMERGENCY <sup>4</sup>	FINISH	FIXTURE OPTIONS	CONTROLS⁵
<ul> <li>0 - None</li> <li>_FSG - Factory Select ALCR</li> <li>_GB - Bodine GTD</li> <li>_GI - lota ETS DR</li> <li>_P - Bodine 10W</li> <li>_IC - lota 10W (CEC Listed)</li> <li>_E - Emergency Circuit Section</li> <li>_N - Night Light Circuit Section</li> <li>_L - Life Safety Circuit Section</li> <li>Battery and Emergency pg. 6</li> </ul>	W - White S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color Finish pg. 6	<b>CP</b> - Chicago Plenum <b>GLR</b> - Internal Fast Blow Fuse <b>FIL</b> - Field Cut Illuminated Extension <b>MOD</b> - Mod options available <i>Fixture Options pg.</i> 6	<b>B3LM -</b> Wattstopper Blanco 3 DLM (wired) <b>MOD</b> - Mod options available <i>Controls pg. 7</i>

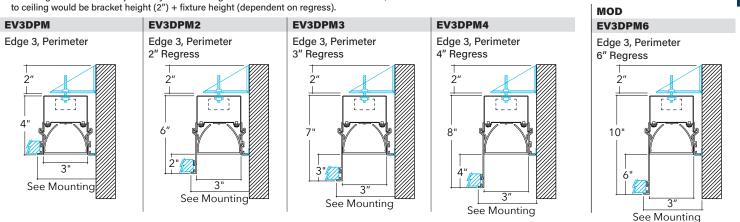
<sup>1</sup>When specifying SOURCE the first \_ is for specifying either **8** - 80CRI or **9** - 90CRI The ending \_ \_ are for specifying output, example **HO** - High Output. See output charts for more information. <sup>2</sup>Individual fixtures come in 2', 3', 4', 5', 6', 7' & 8' lengths. Continuous rows, GIG, G9G, GSG, FLF, NFN & SFS for individual lengths. <sup>4</sup>Enter quantity for Battery and Emergency, Example 2P. <sup>5</sup>Controls can only be used with Single Circuit (1) or Emergency Circuit (E). See Controls chart on page 5 for driver options and more information.

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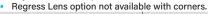
#### Housing

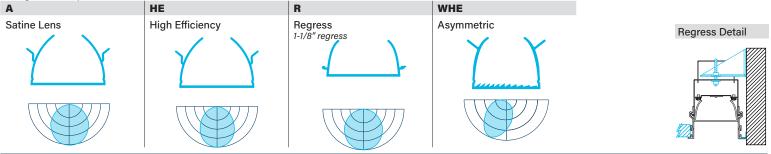
Mounting bolt allows for adjustability of mount height. If fixture is flushed to mount bracket, distance



#### Shielding

- Regress Lens option uses housing with backbox. Back box does not impact mounting. see detail.
- Asymmetric Lens option recommended for use pointing away from wall.





#### 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

### Custom Output - Lumens OR Wattage

CL	Specify CRI, CCT and desired lumens (I.e. CL835500)
CW	Specify CRI, CCT and desired wattage (i.e. CW9407)

Specify lumens between standard offering listed below. Lumens are specified per color temp Specify watts between standard offering listed below

#### 80 CRI

	Color	Lumens	Shield	ing <sup>1</sup>						
		per foot	A	-	HE		R		WHE	
			Satine		High Eff	iciency	Regres	s	Asymm	netric
			LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft
830	3000K	500	119	4.2	134	3.7	117	4.3	131	3.8
830HO	3000K	750	119	6.3	139	5.4	117	6.4	135	5.5
830VHO	3000K	1000	122	8.2	140	7.1	119	8.4	136	7.3
835	3500K	500	123	4.1	138	3.6	121	4.1	135	3.7
835HO	3500K	750	123	6.1	144	5.2	120	6.2	140	5.3
835VHO	3500K	1000	126	7.9	144	6.9	123	8.1	141	7.1
840	4000K	500	123	4.1	138	3.6	121	4.1	135	3.7
840HO	4000K	750	123	6.1	144	5.2	120	6.2	140	5.3
840VHO	4000K	1000	126	7.9	144	6.9	123	8.1	141	7.1
90 CRI										
927	2700K	500	100.3	5.0	113	4.4	97	5.2	110	4.5

927	2700K	500	100.3	5.0	113	4.4	97	5.2	110	4.5
927HO	2700K	750	102.7	7.3	112	6.7	98	7.6	109	6.9
930	3000K	500	108.3	4.6	123	4.1	103	4.8	120	4.2
930HO	3000K	750	105.9	7.1	123	6.1	106	7.1	120	6.3
935	3500K	500	107.9	4.6	122	4.1	103	4.9	119	4.2
935HO	3500K	750	105.5	7.1	123	6.1	105	7.1	119	6.3
940	4000K	500	107.9	4.6	122	4.1	103	4.9	119	4.2
940HO	4000K	750	105.5	7.1	123	6.1	105	7.1	119	6.3

<sup>1</sup>LPW and watts/ft based off 47" fixture size.

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#### 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)

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

Requires Drive Ordering Code ESLM (pg.
 Requires Drive Ordering Code EC2 (pg. 4)

Blanco 3 Tunable White (TW3)

		Range	Shieldi	ng¹				
			A			HE		
			Satine			High Effic	eiency	
		2700-	Lumens/ft	LPW	Watts/ft	Lumens/ft	LPW	Watts/ft
TV	V3	6500K	653	77	8.5	754	88	8.5

<sup>1</sup>LPW and watts/ft based off 47" fixture size.

#### Source: MOD Options

Field Cut Illuminated

Extension (FIL)

Specify MOD in the part number for any of the below options

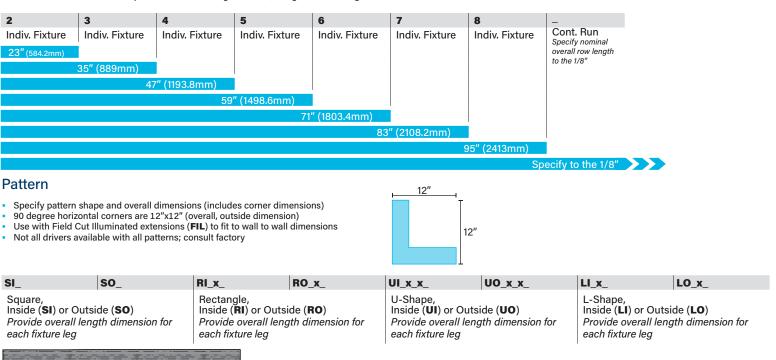
<ul> <li>All RGB_ Source</li> </ul>	<ul> <li>All RGB_ Source Options will require specific driver and control</li> </ul>		Required Control
Color Changing RGB LED		EC2	DMX
	Color Changing RGB-W LED EC2 DMX		DMX
MOD	Color Changing RGB-A LED EC2 DMX		DMX
2 Channel Tunable White			
	Dynamic BIOS		

#### Length

- All individual units cannot be joined, end trims are factory installed and cannot be removed
- Refer to Pattern section for specification and ordering options
- Continuous Rows are made up of even and odd length fixtures; designed to fall on-grid

90° Inside

90° Outside



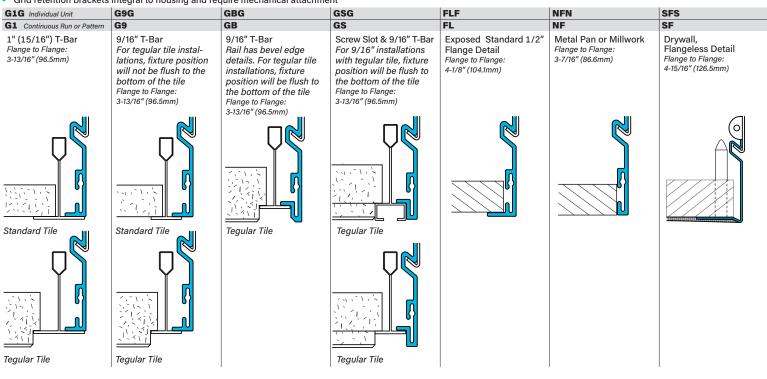
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# EDGE EV3DPM Recessed Perimeter



### Mounting

- Individual Units, specify G\_G, FLF, SFS, NFN
- Continuous Units, specify G\_, FL, SF, NF
- Individual units cannot be joined, end trims are factory installed and cannot be removed
  - Designed to install into acoustical grid and inaccessible ceilings
- Grid retention brackets integral to housing and require mechanical attachment
- Each housing contains 4 grid retention brackets
- Tie off fixture to structure with retention wires
- Approved for dry/damp location unless otherwise noted
- Specified mounting will not be on wall side, wall side of fixture is always FL to rest on J rail



#### Mounting: MOD Options

- Specify  $\ensuremath{\textbf{MOD}}$  in the part number for any of the below options
- Consult factory for MOD specification details, pricing, and lead-time information

Description

MOD	
-----	--

Alternative Ceiling Solutions

#### Voltage

Some EV3D configurations will not accommodate all voltage options; consult with factory

U	Universal
1	120 volt
2	277 volt
3	347 volt

Some EV3D configurations will not accommodate all driver options;

consult with factory



#### Driver

- Standard Driver Option = FSD
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide

0-10V Drivers	
FSD	Factory Select Driver 1%, 0-10v
PL2	Signify Advance Xitanium 1%, 0-10v
PL4	Advance Xitanium 347v 1%, 0-10v, requires 347v
OL2	Osram Optotronic, 1%, 0-10v
OL4	Osram Optotronic 347v, 1% 0-10v, requires 347v option
EE1	eldoLED ECOdrive 1%, 0-10v Logarithmic
EE2	eldoLED ECOdrive 1%, 0-10v Linear
ES1	eldoLED SOLOdrive 0-10v, 0% Logarithmic
ES2	eldoLED SOLOdrive 0-10v, 0% Linear
OL5	Osram Optotronic 1%, 0-10v, AUX
DALI Drivers	
EE3	eldoLED SOLOdrive .1%, DALI (logarithmic)
EE4	eldoLED SOLOdrive .1%, DALI (linear)
OD1	Osram Optotronic 1%, DEXAL
OD2	Osram Optotronic 1%, DALI 2 Channel
Lutron Drivers	5
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
LH4	Lutron Hi-Lume 1%, 2-wire, Lutron-LTEA2W, 120v only
<b>Alternate Driv</b>	ers
PS1	Signify Advance Xitanium Step Dimming 50%/100%
PR1	Philips Advance Xitanium SR, requires EASYS, VDO, or VRF
EH1	ELV 120v only, 0-10v universal

#### **Driver: MOD Options**

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

	Description
MOD	Power Over Ethernet

#### How to specify Circuiting, Battery and Emergency

- Select fixture circuiting from options below
- Some EV3D configurations will not accommodate all circuiting options, consult with factory

#### Circuiting

1	Single Circuit
M	Multi Circuit (Not available with controls)
E	Emergency Circuit only (uses nIO EZ PH ER with NLIGHT)
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 EV3D configurations will not accommodate all circuiting options, consult with factory

#### Battery and/or Emergency If Required



No battery or specific emergency section required

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# **EDGE** EV3DPM Recessed Perimeter

#### Battery

- Select battery section type if required, indicate total QTY. Example 2P
- 90 minute battery runtime; test button is remote
- No battery option available for 2' & 3' lengths

0	No Battery
_IC	lota 10w Integral
_ILL	lota 10w Integral Lithium, Self Testing
_IRH	lota 20w Remote
_ <b>P</b>	Bodine 10w Integral
_PLL	Bodine 10w Integral Lithium, Self Testing
_PRH	Bodine 20w Remote

#### Emergency

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

_FSG	Factory Select ALCR, Automatic Load Control Relay
_GI	Iota ETS DR, Emergency Lighting Control Device
_GB	Bodine GTD, Emergency Lighting Control Device
_E	Emergency circuit section
_N	Night Light circuit section
_L	Life Safety circuit section NO THROUGH WIRE

- Entire fixture is on battery for lengths up to 5'
- Half of 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 (LPW) x 10 (watts) = 923 battery lumen output

		_		
Battery OR Emergency Ordering Exa	amples		Combination Section Ordering Examples	
Single circuit, 10w Integral Battery	Ordering Code: 1-1P		• Single circuit, (1) 10w battery, (1) emergency section	Ordering Code: 1-1P1E
Emergency only, 10w Integral Battery	Ordering Code: E-1P		Multi circuit, (2) 10w battery, (2) emergency sections	Ordering Code: M-2P2E
Single circuit, GTD required	Ordering Code: 1-1G		<ul> <li>Single circuit, (1) night light section</li> </ul>	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
S	Metallic Silver
BL	Textured Black
GR	Graphite
BR	Bronze
CC	Custom Color

#### **Fixture Options**

- Additional options to enhance the fixture and finish of the product
- FIL has 2" min 12" max length

СР	Chicago Plenum
GLR	Internal Fast Blow Fuse
FIL	Field Cut Illuminated Extension

#### **Fixture Options: MOD Options**

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

MOD

Remote Driver

- FIL Option angle range is 40° to 90°
- FIL Option is not IC rated

#### **Controls: Tunable White**

- Pinnacle Lighting offers easy to specify tunable white solutions for integrated Pinnacle Lighting fixtures ship technology ready; comissioning 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

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

	Solution	Components	Network/Sensor	Connection	Required- Drivers	Required LED	Required 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

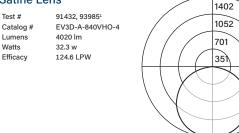
#### **Controls: MOD Options**

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

		Required Driver
Er	nlighted (Wireless) - ENLI	Any 0-10v
MOD	nlighted (Wireless) - ENLC	Any 0-10v
Er	ncelium Sensilum	OD1, OL5
Le	egrand Wattstopper DLM	OL2, OL4
Ac	cuity nLight Air Wireless Connected	EE6, ES6

#### **Photometrics**





#### **Candela Distribution**

Ę

Vert Angle	Horizontal Angle						
	0	22.5	45	67.5	90		
0	1400	1400	1400	1400	1400		
5	1393	1395	1397	1398	1399		
15	1348	1344	1350	1350	1348		
25	1253	1245	1253	1254	1247		
35	1112	1104	1112	1108	1105		
45	940	932	935	932	930		
55	734	730	730	729	727		
65	507	504	503	501	503		
75	269	268	271	273	274		
85	65	66	70	73	73		
90	0	0	0	0	0		

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

Angle In	Average	Average	Average
Degrees	0-Deg	45-Deg	90-Deg
45	10950	10892	10833
55	10541	10483	10440
65	9882	9804	9804
75	8561	8625	8720
85	6143	6616	6899

<sup>1</sup>Based on ITL Reports 91432 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.

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#### **Applications & Certificates**

**Housing:** Formed cold-rolled 18 gauge steel housing. Highly reflective die-formed white painted steel reflector.

Shielding: Diffuse snap-in acrylic lens, removable for maintenance.

**Mounting:** EDGE is designed to install into acoustical grid and inaccessible ceilings. Specify GXG, FLF, SFS, NFN for individual, unjoinable units (individual units will fall ongrid). Specify GX, FL, SF, NF for continuous runs (runs designed to fall on-grid). Consult factory for detailed installation instructions. Maximum fixture weight is 15lbs per 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. Lifetime Projection L70 = 121,600 hours and L90 = 36,200 hours. MacAdam 3-Step Ellipses. Not all products are Lighting Facts listed. For all available IES files, please visit our website at pinnacle-ltg.com.

**BIOS LED:** Spectrum focused lighting for circadian stimulus. EML or M/P ratio: .8 for 3500K, .9 for 4000K. COI >3.0. Not all lumen packages available. 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.

**CRI, CCT & Lumen Output:** Three lumen packages available. Standard, High (HO) and Very High (VHO). 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 $\geq$ 19 and 90 CRI = R9 $\geq$ 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 EDGE 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 98°F/37°C. For more driver options, see Pinnacle Resource Guide. Some EDGE configurations will not accommodate all driver options.

**Circuiting:** Select from single circuit (1), Multi circuit - For multiple circuiting and zone control, requires factory shop drawing (M), Emergency circuit (E), Life Safety (L) or Night Light circuit (N). For emergency circuiting situations that require no through wire or circuit separation, Life Safety Circuit should be selected. This will provide a separate power feed and only the Life Safety Circuit in that section. Some EDGE configurations will not accommodate all circuiting options; consult with factory.

**Battery & Emergency:** Select battery or emergency options if required. If battery or emergency option is not required, enter 0. Battery duration is 90 minutes as standard. Test button is remote to fixture. For more Battery options, see Pinnacle Resource Guide.

**Finish:** Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes or for additional custom color and finish options.

**Controls:** (B3LM) Wattstopper control of Intensity and CCT for tunable white, allows simple integration into a Wattstopper DLM control system. Blanco 3 offers the highest quality tunable white by mixing three channels of white LEDs for precise black body curve CCT. Uses constant voltage LED driver (EC2), BLM and Blanco 3 channel LED arrays (TW3).

**Labels:** UL and cUL Listed. Standard, HO and VHO lumen packages are IC Rated, approved for dry/damp location unless otherwise noted.

Fixture Weight: Maximum fixture weight is 15lbs per 4' fixture.

#### **Buy American Act Compliant**

Warranty: EDGE LED offered with a 5-year limited warranty. Covers LED, driver and fixture.