

	-		-
MOUNTING ³	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. 4-5</i>	U - Universal (120 thru 277V) 1 - 120V 2 - 277V 3 - 347V Voltage pg. 5	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	 1 - Single Circuit M - Multi Circuit E - Emergency (entire fixture) N - Night Light (entire fixture) Circuiting pg. 5
BATTERY & EMERGENCY⁴	FINISH	FIXTURE OPTIONS	CONTROLS⁵

Brit Petri & Emeridento I			001111020
0 - None	W - White	CP - Chicago Plenum	B3LM - Wattstopper Blanco 3 DLM (wired)
_FSG - Factory Select ALCR	S - Metallic Silver	GLR - Internal Fast Blow Fuse	MOD - Mod options available
_ GB - Bodine GTD	BL - Textured Black	FIL- Field Cut Illuminated Extension	Controls pg. 6
_GI - lota ETS DR	BR - Bronze	MOD - Mod options available	
_ P - Bodine 10W	GR - Graphite	Fixture Options pg. 6	
_IC - lota 10W	CC - Custom Color		
_E - Emergency Circuit Section	Finish pg. 6		
_N - Night Light Circuit Section	· ····		
_L - Life Safety Circuit Section			
Battery and Emergency pg. 5-6			

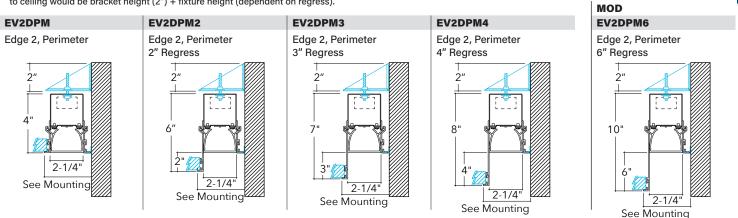
"When specifying SOURCE the first _ is for specifying either 8 - 80CRI, 9 - 90CRI or B - BIOS. The ending _ are for specifying output, example HO - High Output. When specifying BIOS use B and then specify color temperature, either 3500K or 4000K, and output, example B35HO - BIOS 3500K High Output. See output charts for more information. BIOS dynamic available, please contact factory for more information. ²Individual fixtures come in 2, 3', 4', 5', 6', 7' & 8' lengths. Continuous row come in 1/8'' increments. For Patterns, specify pattern shape and overall dimensions. Example: L6x4: L pattern that is 6'x4'. ³Specify mounting for individual or continuous length: GI, G9, GS, FL, NF & SF for continuous length: GI, G9, GS, FL, NF & SF for 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.

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.



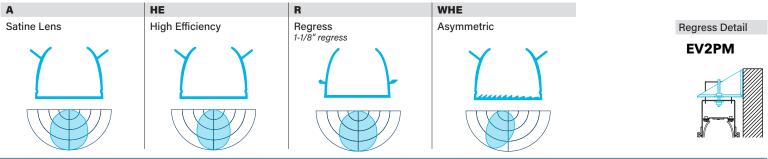
Housing

Mounting bolt allows for adjustability of mount height. If fixture is flushed to mount bracket, distance to ceiling would be bracket height (2") + fixture height (dependent on regress).



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.
- Regress Lens option not available with corners.



Source: White LED¹

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory

Custom Output - Lumens OR Wattage

ouoronn o								
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 = R9≥19 and 90 CRI = R9≥61

Color	Lumens	Shield	ling ¹
	per foot	A	-
		Satine	
		LPW	Watts

80 CRI

		per foot	A		HE		R		WHE	
			Satine		High Eff	ficiency	Regress	Lens	Asymm	etric
			LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft
830	3000K	500	103	4.9	123	4.1	98	5.1	120	4.2
830HO	3000K	750	105	7.2	123	6.1	99	7.6	120	6.3
830VHO	3000K	1000	106	9.4	126	8.0	N/	/Α	123	8.2
835	3500K	500	106	4.7	122	4.1	101	5.0	124	4.0
835HO	3500K	750	108	6.9	127	5.9	101	7.5	123	6.1
835VHO	3500K	1000	108	9.2	130	7.7	102	9.8	127	7.9
840	4000K	500	106	4.7	122	4.1	101	5.0	124	4.0
840HO	4000K	750	108	6.9	127	5.9	101	7.5	123	6.1
840VHO	4000K	1000	108	9.2	130	7.7	102	9.8	127	7.9
90 CRI										
007	07001/	500	04	50	100	40	70	0.4	00	50

.

.

927	2700K	500	84	5.9	102	4.9	79	6.4	99	5.0
927HO	2700K	750	86	8.7	102	7.4	80	9.3	99	7.6
930	3000K	500	93	5.4	109	4.6	86	5.8	106	4.7
930HO	3000K	750	94	8.0	111	6.8	88	8.5	108	6.9
935	3500K	500	92	5.4	108	4.6	86	5.8	106	4.7
935HO	3500K	750	94	8.0	111	6.8	88	8.6	108	7.0
940	4000K	500	92	5.4	108	4.6	86	5.8	106	4.7
940HO	4000K	750	94	8.0	111	6.8	88	8.6	108	7.0

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

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.

Designed in Denver, CO • USA | pinnacle-ltg.com | O: 303-322-5570 F: 303-322-5568 EV2DPM_LED_SPEC_MAY2022

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 (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 Uumone Shielding						

•

	Color	Lumens	Shielding			
		per foot	Α		HE	
			Satine		High Effi	ciency
			LPW	Watts/ft	LPW	Watts/ft
B35	3500K	500	63.4	7.9	77	6.5
B35HO	3500K	750	62.0	12.1	77	9.7
B40	4000K	500	63.4	7.9	77	6.5
B40HO	4000K	750	62.0	12.1	77	9.7

Source: Blanco31

- CRI >90, R9 >92
- 3 Channel tunable white for precise black body curve CCT
- Allows for high color consistency between fixtures

Blanco 3 Tunable White (TW3)

	Range	Shieldi	ng¹				
	-	Α	-		HE		
		Satine			High Effic	eiency	
	2700-	Lumens/ft	LPW	Watts/ft	Lumens/ft	LPW	Watts/ft
TW3	6500K	647	77	8.5	769	91	8.5

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

Source: MOD Options

- Specify **MOD** in the part number for any of the below options
- All RGB_ Source Options will require specific driver and control

Self-commissioning with Wattstopper DLM integrated controls Requires Control Ordering Code B3LM (pg. 6) Requires Drive Ordering Code EC2 (pg. 4)

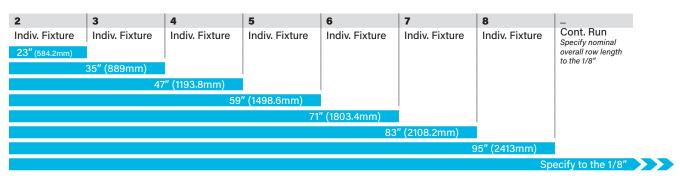
· Consult factory for MOD specification details, pricing, and lead-time information

	Required Driver	Required Control
Color Changing RGB LED	EC2	DMX
Color Changing RGB-W LED	EC2	DMX
2 Channel Tunable White		
Dynamic BIOS		

Length

MOD

- 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
- BIOS and Blanco3 are only available in foot lengths



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.

00

EDGE EV2DPM Recessed Perimeter

.

....

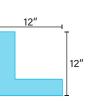


Pattern

- Specify pattern shape and overall dimensions (includes corner dimensions)
- 90 degree horizontal corners are 12"x12" (overall, outside dimension)

.....

- Use with Field Cut Illuminated extensions (FIL) to fit to wall to wall dimensions Not all drivers available with all patterns; consult factory



SI_	SO_	RI_X_	RO_x_	UI_x_x_	UO_x_x_	LI_X_	LO_X_
Square, Inside (SI) or Outsic Provide overall leng each fixture leg		Rectangle, Inside (RI) or Outs Provide overall leng each fixture leg		U-Shape, Inside (UI) or Outsi Provide overall leng each fixture leg		L-Shape, Inside (LI) or Outsi Provide overall leng each fixture leg	
Field Cut Illumi Extension (FIL)							

.....

Mounting

removed

- 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
- 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
- Designed to install into acoustical grid and inaccessible ceilings Grid retention brackets integral to housing and require mechanical attachment

G1G Individual Unit	G9G	GBG	GSG	FLF	NFN	SFS
G1 Continuous Run or Pattern	G9	GB	GS	FL	NF	SF
1" (15/16") T-Bar Flange to Flange: 3-1/16" (77.8mm)	9/16" T-Bar For tegular tile instal- lations, fixture position will not be flush to the bottom of the tile Flange to Flange: 3-1/16" (77.8mm)	9/16" T-Bar Rail has bevel edge details. For tegular tile installations, fixture position will be flush to the bottom of the tile Flange to Flange: 3-1/16" (72.8mm)	Screw Slot & 9/16" T-Bar For 9/16" installations with tegular tile, fixture position will be flush to the bottom of the tile Flange to Flange: 3-1/16" (77.8mm)	Exposed Standard 1/2" Flange Detail Flange to Flange: 3-3/8" (85.7mm)	Metal Pan or Millwork Flange to Flange: 2-11/16" (68.2mm)	Drywall, Flangeless Detail Flange to Flange: 4-1/4" (108mm)
andard Tile	Standard Tile	Tegular Tile	Tegular Tile			

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. Designed in Denver, CO • USA | pinnacle-ltg.com | O: 303-322-5570 F: 303-322-5568

Mounting: MOD Options

Specify MOD in the part number for any of the below options
 MOD specifications are subject to longer lead-times. Consult factory for more information

MOD Alternative Ceiling Solutions

Voltage

 Some EV2D 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 = 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				
Alternate Driv	rers				
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				
EC2	Constant Voltage LED Driver, 120v of 277v required				

Driver: MOD Options

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

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

MOD

Power Over Ethernet

Some EV2D configurations will not accommodate all driver options; consult with factory

How to Specify Circuiting, Battery and Emergency



Select fixture circuiting from options below

Some EV2D configurations will not accommodate all circuiting options, consult with factory

Circuiting

1	Single Circuit
М	Multi Circuit (Not available with controls)
E	Emergency Circuit only (uses nIO EZ PH ER with NLIGHT)
Ν	Night Light Circuit only



Battery and emergency section options are available in addition to fixture circuit Select battery and emergency section options below; factory shop drawing required Some EV2D 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 2P
- 90 minute battery runtime; test button location dependant on configuration, consult
- factory No battery option available for 2' & 3' lengths

0	No Battery
_ILL	lota 10w Integral Lithium, Self Testing
_IRH	lota 20w Remote
_PLL	Bodine 10w Integral Lithium, Self Testing
_PRH	Bodine 20w Remote

- 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

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 sectio	n (NLIGHT ONLY full housing not sections,)		
_N	Night Light circuit sectio	n			
_L	Life Safety circuit section	NO THROUGH WIRE			
_G	Bodine GTD, Generator T	ransfer Device section			
Battery	OR Emergency Ordering Exa	amples	Combination Section Ordering Examples		
 Single c 	circuit, 10w Integral Battery	Ordering Code: 1-1P	Single circuit, (1) 10w battery, (1) emergency section	Ordering Code:	1-1P1E
Emerge	ency only, 10w Integral Battery	Ordering Code: E-1P	• Multi circuit, (2) 10w battery, (2) emergency sections	Ordering Code:	M-2P2
- Single o	circuit GTD required	Ordering Code: 1-1G	 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
S	Metallic Silver
BL	Textured Black
GR	Graphite
BR	Bronze
CC	Custom Color

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



Fixture Options

Additional options to enhance the fixture and finish of the product

FIL Has 2 Hill - 12 Hax 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

Controls: Tunable White

- Pinnacle Lighting offers easy to specify tunable white solutions for integrated building control or standalone controls
- 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

	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

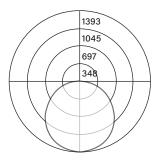
- Specify **MOD** in the part number for any of the below options
- Control Options may require specific driver. Refer to the chart below
- Consult factory for MOD specification details, pricing, and lead-time information

		Required Driver	
	Enlighted (Wireless) - ENLI	Any 0-10v	
MOD	Enlighted (Wireless) - ENLC	Any 0-10v	
WOD	Encelium Sensilum	OD1, OL5	
	Legrand Wattstopper DLM	OL2, OL4	
	Acuity nLight Air Wireless Connected	EE6, ES6	

Photometrics

Satine Lens

Test #	ITL91423
Catalog #	EV2D-A-840VHO-4
Lumens	3984 lm
Watts	36.2 w
Efficacy	110 LPW
Enicacy	110 LF W



Candela Distribution

Vert Angle	Horizontal Angle					
	0	22.5	45	67.5	90	
0	1393	1393	1393	1393	1393	
5	1388	1387	1388	1390	1390	
10	1372	1370	1375	1375	1373	
15	1343	1339	1347	1345	1343	
20	1302	1295	1302	1301	1298	
25	1250	1241	1250	1247	1243	
30	1187	1178	1186	1183	1178	
35	1114	1105	1112	1105	1102	
40	1032	1024	1028	1021	1018	
45	942	935	937	930	927	
50	846	838	838	832	828	
55	739	730	731	723	722	
60	627	621	618	612	610	
65	508	505	499	494	491	
70	387	383	377	375	374	
75	264	263	258	255	256	
80	148	146	146	145	144	
85	52	53	54	55	54	
90	0	0	0	0	0	

Luminance Data (cd/sq.m)

Angle In	Average	Average	Average
Degrees	0-Deg	45-Deg	90-Deg
45	19508	19404	19197
55	18867	18663	18433
65	17602	17290	17013
75	14937	14597	14484
85	8737	9073	9073

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. Designed in Denver, CO • USA | pinnacle-ltg.com | O: 303-322-5570 F: 303-322-5568

EV2DPM_LED_SPEC_MAY2022

EDGE EV2DPM Recessed Perimeter



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.

White 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 = 146,500 hours and L90 = 45,000 hours. MacAdam 3-Step Ellipses. Not all products are Lighting Facts listed. For all available IES files, please visit our website at pinnacle-Itg. com. 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 = R9 \geq 19 and 90 CRI = R9 \geq 61.

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.

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.

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 z control, requires factory shop drawing (M), Emergency circuit (E), Life Safety (L) or high 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 location dependant on configuration, consult factory. 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: ETL listed conforming to UL1598 abd CSA 250. 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.