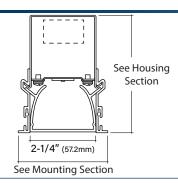
Туре







2" Recessed Perimeter

Key Features

HOUSING

- 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
- ETL Listed conforming to UL1598 in US and CSA 250 in Canada
- Approved for dry/damp location unless otherwise noted
- Maximum fixture weight is 15lbs per 4ft fixture

SOURCE

- Room-Side Maintenance for LED system
- Buy American Act compliant

SHIELDING

Indigo-Clean available, see Indigo-Clean specification sheets for details

LENGTH OR

PATTERN

MOUNTING









FIXTURE

OPTIONS



CONTROLS





Example Part #: EV2DPM2-HE-830HO-26'-G1-U-PL2-1-0-W

 HOUSING	 SHIELDING	SOURCE ¹	LENGTH OR PATTERN ²
EV2DPM - Edge 2, Perimeter EV2DPM2 - Edge 2, Perimeter, 2" Regress EV2DPM3 - Edge 2, Perimeter, 3" Regress EV2DPM4 - Edge 2, 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	_27 2700K _30 3000K _35 3500K (available as BIOS) _40 4000K (available as BIOS) TW3 - Tunable White (Blanco 3) CL Custom Lumens CW Custom Watts MOD - Mod options available Lumen Output pg. 2-3	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

CIRCUITING

BATTERY &

EMERGENCY

	_		_
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 Mounting pg. 4-5	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) 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

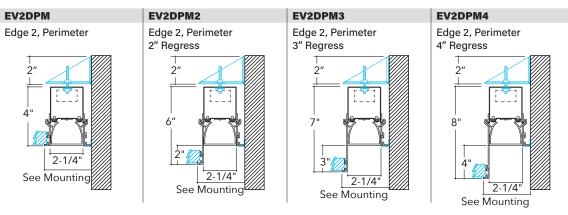
BATTERY & EMERGENCY⁴	FINISH	FIXTURE OPTIONS	CONTROLS ⁵
O - None _FSG - Factory Select ALCR _GB - Bodine GTD _GI - lota ETS DR _P - Bodine 10W _IC - lota 10W _E - Emergency Circuit Section _N - Night Light Circuit Section _L - Life Safety Circuit Section _Battery and Emergency pg. 5-6	W - White S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color Finish pg. 6	CP - Chicago Plenum GLR - Internal Fast Blow Fuse FIL- Field Cut Illuminated Extension MOD - Mod options available Fixture Options pg. 6	B3LM - Wattstopper Blanco 3 DLM (wired) MOD - Mod options available Controls pg. 6

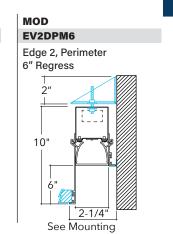
When specifying SOURCE the first _ is for specifying either 8 - 80CRI, 9 - 90CRI or B - BIOS. The ending _ _ are for specifying output, example HO - High Output. When specifying BIOS use B and then specify color temperature, either 3500K or 4000K, and output, example B35HO - BIOS 3500K High Output. See output charts for more information. BIOS dynamic available, please contact factory for more information. 2 Individual 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: G1, G9, GS, FL, NF & SF for continuous rows, G1G, G9G, GSG, FLF, NFN & SFS for individual lengths. 4Enter quantity for Battery and Emergency, Example 2P. 5Controls 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

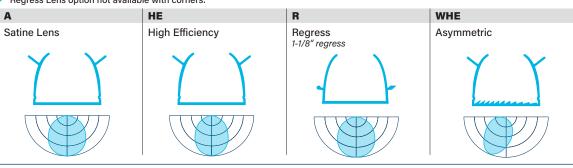
Mounting bolt allows for adjustability of mount height. If fixture is flushed to mount bracket, distance to ceiling would be bracket height (2") + fixture height (dependent on regress).





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.



Regress Detail EV2PM



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

C	Custom Output - Lumens OR Wattage				
C	L	Specify CRI, CCT and desired lumens (i.e. CL835500)	Specify lumens between standard offering listed below. Lumens are specified per color temp		
C		Specify CBL CCT and desired wattage (i.e. CW9407)	Specify watts between standard offering listed below		

					0 (,			
80 CRI										
	Color	Lumens	Shield	lina¹						
		per foot	A	9	HE		R		WHE	
			Satine			fficiency	Regress	Lens	Asymm	netric
			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		/A	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										
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.

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Source: BIOS¹

- CRI >84, R9 >90
- Spectrum focused lighting for circadian stimulus High EML or M/P ratio: .8 for 3500K, .9 for 4000K

- COI: <3.3
- Available for use with most Driver or Control options

Custom Output - Lumens OR Wattage

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

BIOS

	Color	Lumens	Shielding ¹			
		per foot	Α		HE	
			Satine		High Effi	ciency
			LPW	Watts/ft	LPW	Watts/ft
B35	3500K	500	63.4	7.9	77	6.5
B35H0	3500K	750	62.0	12.1	77	9.7
B40	4000K	500	63.4	7.9	77	6.5
В40НО	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

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

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

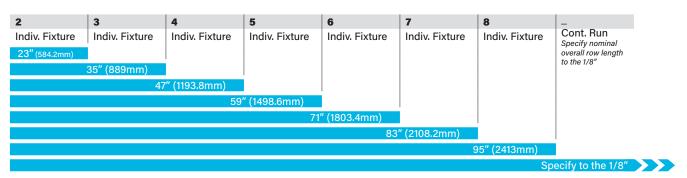
Source: MOD Options

- Specify **MOD** in the part number for any of the below options
- All RGB_ Source Options will require specific driver and control
- Consult factory for MOD specification details, pricing, and lead-time information

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

Length

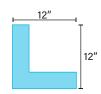
- All individual units cannot be joined, end trims are factory installed and cannot be removed
- Refer to Pattern section for specification and ordering options
- Continuous Rows are made up of even and odd length fixtures; designed to fall on-grid
- BIOS and Blanco3 are only available in foot lengths



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Pattern

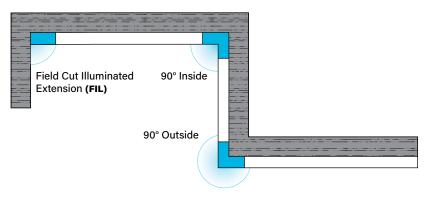
- Specify pattern shape and overall dimensions (includes corner dimensions)
- 90 degree horizontal corners are 12"x12" (overall, outside dimension)
- Use with Field Cut Illuminated extensions (FIL) to fit to wall to wall dimensions
- Not all drivers available with all patterns; consult factory



3I_	30_	ni_x_	hU_X_	UI_X_X_	UU_X_X_	
Square, Inside (SI) or Outside	de (SO)	Rectangle, Inside (RI) or Outsi	de (RO)	U-Shape, Inside (UI) or Outsi	de (UO)	L
Provide overall leng each fixture leg	th dimension for	Provide overall leng	th dimension for	Provide overall leng	th dimension for	₽ €
· ·						ı

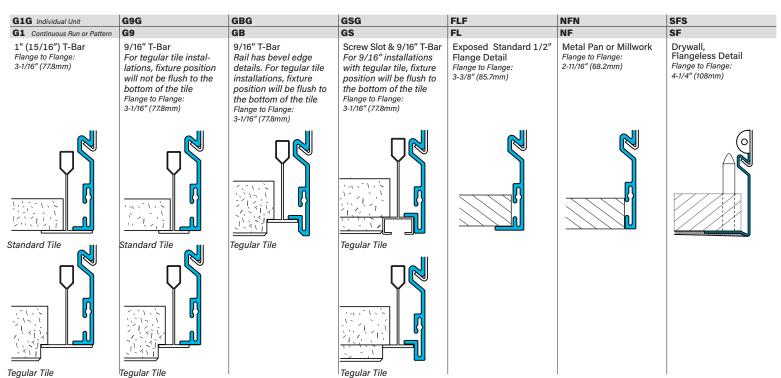
LI_x_ L-Shape, Inside (**LI**) or Outside (**LO**) Provide overall length dimension for each fixture leg

LO x



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
- 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



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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

MOD **Alternative Ceiling Solutions**

Voltage

Some EV2D configurations will not accommodate all voltage options; consult with

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

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

	options see i illiadie nesource duide			
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 Driver	s			
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1			
LH4	Lutron Hi-Lume 1%, 2-wire, Lutron-LTEA2W, 120v only			
Alternate Drivers				
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



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
M	Multi Circuit (Not available with controls)
E	Emergency Circuit only (uses nIO EZ PH ER with NLIGHT)
N	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

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

				_			
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

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

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 section (NLIGHT ONLY full housing not sections)
_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: 1-1P Emergency only, 10w Integral Battery Ordering Code: E-1P • Single circuit, GTD required Ordering Code: 1-1G

Combination Section Ordering Examples

- Single circuit, (1) 10w battery, (1) emergency section
- Multi circuit, (2) 10w battery, (2) emergency sections
- Single circuit, (1) night light section

Ordering Code: 1-1P1E Ordering Code: M-2P2E

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
СС	Custom Color

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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

FIL Option angle range is 40° to 90°

FIL Option is not IC rated

Fixture Options: MOD Options

- Specify $\boldsymbol{\mathsf{MOD}}$ 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 can only be used with Single Circuit (1) or Emergency Circuit (E),
- Contact factory for any non-standard configurations for layout or placement

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

	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

Paguired Driver

Controls: MOD Options

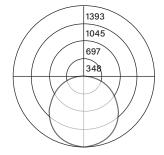
- Specify **MOD** in the part number for any of the below options
- Control Options may require specific driver. Refer to the chart below
- Consult factory for MOD specification details, pricing, and lead-time information

		nequired Driver
MOD	Enlighted (Wireless) - ENLI	Any 0-10v
	Enlighted (Wireless) - ENLC	Any 0-10v
	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 3984 lm Watts 36.2 w Efficacy 110 LPW



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.

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-ltg. 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 is available for 2700K, 3000K, 3500K, and 4000K. 80 CRI = R9≥19 and 90 CRI = R9≥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 zecontrol, requires factory shop drawing (M), Emergency circuit (E), Life Safety (L) or hight 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.