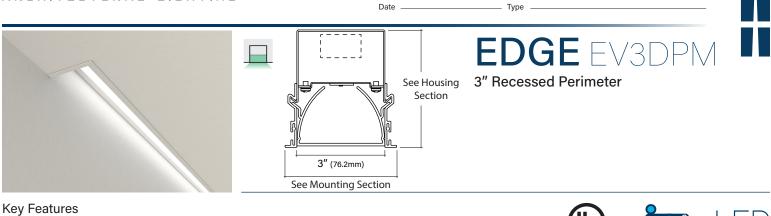
Ρ NNA С L Ε RCHITECTURAL LIGHTING

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 .



Example Part #: EV3DPM-HE-830HO-26'-G1-U-PL2-1-0-W

HOUSING SHIELDING SOURCE LENGT PATTER	H OR MOUNTING VOLTAGE DRIVER	CIRCUITING BATTERY & FINISH FIXTUI EMERGENCY FINISH OPTIO	
HOUSING	SHIELDING	SOURCE	LENGTH OR PATTERN ²
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 <i>Housing pg. 2</i>	A - Satine Lens HE - High Efficiency Lens R - Regress Lens WHE - Asymmetric Lens Shielding pg. 2	_27 2700K _30 3000K _35 3500K _40 4000K TW3 - Tunable White (<i>Blanco 3</i>) CL Custom Lumens CW Custom Watts MOD - 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 UO _x Outside U Shape UO _x Outside U Shape LI _x Inside L Shape LO _x Outside L Shape Lo _x Outside L Shape
	-		_
MOUNTING ³	VOLTAGE	DRIVER	CIRCUITING
G1 - 1" (15/16") T Bar G9 - 9/16" T Bar GB - 9/16" Bevel T Bar GS - Screw Slot T Bar FL - 1/2" Flange NF - Non Flange SF - Spackle Flange MOD - Mod options available Mounting pg. 4	U - Universal (120 thru 277V) 1 - 120V 2 - 277V 3 - 347V Voltage pg. 4	FSD - Factory Select Driver (1%, 0-10v)1 - Single CircuitPL2 - Advance Xitanium (1%, 0-10v)M - Multi CircuitOL2 - Osram (1%, 0-10v)E - EmergencyOL4 - Osram 347v (1%, 0-10v)E - EmergencyEE1 - eldoLED ECOdrive (1%, 0-10v)(entire fixture)ES1 - eldoLED SOLOdrive (0.1%, 0-10v)N - Night LightL51 - Lutron 5-Series (5%, EcoSystem)(entire fixture)PR1 - Advance Xitanium SRCircuiting pg. 6MOD - Mod options availableDriver pg. 5	
BATTERY & EMERGENCY ⁴	FINISH	FIXTURE OPTIONS	CONTROLS⁵
 0 - None FSB - Factory Select Battery FSG - Factory Select ALCR GB - Bodine GTD GI - lota TOW (<i>CEC Listed</i>) P - Bodine 10W E - Emergency Circuit Section N - Night Light Circuit Section L - Life Safety Circuit Section Battery and Emergency pg. 6 	W - White S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg.</i> 6	CP - Chicago Plenum GLR - Internal Fast Blow Fuse FIL - Field Cut Illuminated Extension DSP - Customer Supplied Battery/Driver/ Sensor MOD - Mod options available <i>Fixture Options pg.</i> 6	B3LM - Wattstopper Blanco 3 DLM (wired) MOD - Mod options available Controls pg. 7

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. ²Individual fixtures come in 2', 3', 4', 5', 6', 7' & 8' lengths. Continuous rows, GIG, 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.

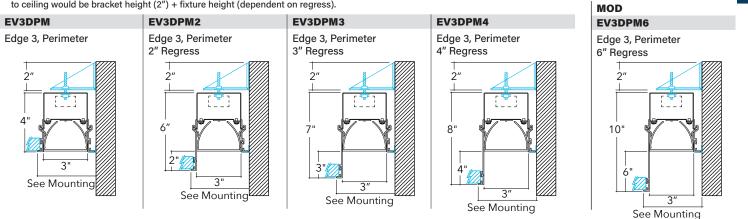
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Housing

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

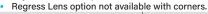
to ceiling would be bracket height (2") + fixture height (dependent on regress).

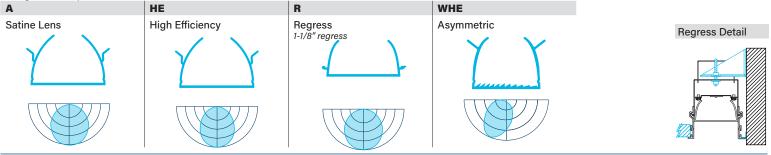


Shielding

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.





Source: White LED¹

Specify either 80 or 90 CRI

Longer lead-time may apply for 90 CRI. Consult factory Custom Output - Lumens OR Wattage

90 CRI = R9≥50

Specify CRI, CCT and desired lumens (i.e. CL835500) CL 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	ling ¹						
		per foot	Α	-	HE		R		WHE	
			Satine		High Ef	ficiency	Regres	SS	Asymr	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

¹LPW 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)
 - 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
1	TW3	6500K	653	77	8.5	754	88	8.5

'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

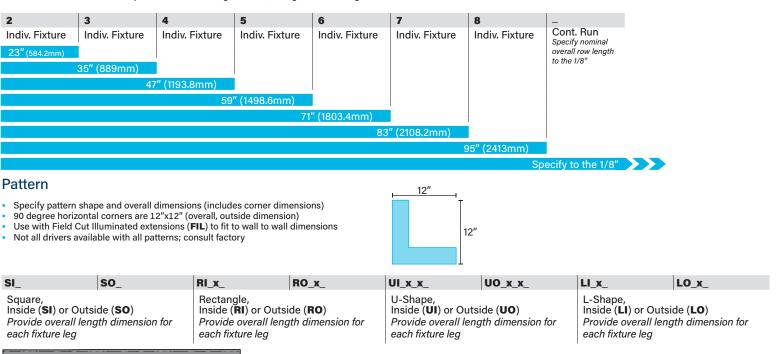
 Specify MOD in the part number for any of the below options All RGB_ Source Options will require specific driver and control 		Consult factory for	or MOD specification details, pricing, and lead-time information
		Required Driver	Required Control
	Color Changing RGB LED	EC1/EC4	DMX
	Color Changing RGB-W LED	EC1/EC4	DMX
MOD	Color Changing RGB-A LED	EC1/EC4	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



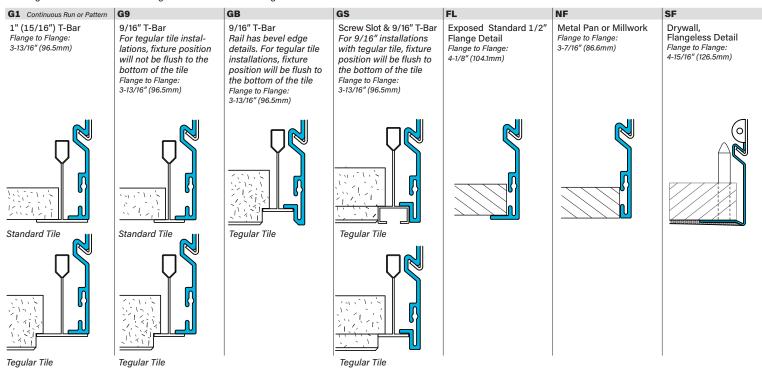


EDGE EV3DPM Recessed Perimeter



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



Mounting: 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

Descri	ption	

М	0	D	

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, 0.1% Logarithmic
ES2	eldoLED SOLOdrive 0-10v, 0% Linear
OL5	Osram Optotronic 1%, 0-10v, AUX
PL5	Advance Xitanium 1%, 0-10c, AUX
DALI Drivers	
EE3	eldoLED ECOdrive .1%, DALI (logarithmic)
ES3	eldoLED SOLOdrive .1%, DALI (logarithmic)
OD1	Osram Optotronic 1%, DEXAL
OD2	Osram Optotronic 1%, DALI 2 Channel
Lutron Drivers	\$
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	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
- MOD
- Description 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
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 EV3D configurations will not accommodate all circuiting options, consult with factory

Battery and/or Emergency If Required

0

No battery or specific emergency section required

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EDGE EV3DPM Recessed Perimeter

Half of fixture is on battery for 6' or 8' housing lengths

For more battery options available, see Pinnacle Resource Guide

Entire fixture is on battery for lengths up to 5'

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
_FSB	Factory Select Battery (10w option)
_FSBST	Factory Select Battery (10w, Self Testing)
_IC	lota 10w Integral
_ILL	lota 10w Integral Lithium, Self Testing
_IRH	lota 20w Remote
_P	Bodine 10w Integral
_PRH	Bodine 20w Remote
_PLL	Bodine 10w Integral Lithium, Self Testing

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 Automatic Load Control Relay (ALCR), UNV
_GI	Emergency Transfer Switch (ETS) DR Emergency Control Device, UNV
_GB	Bodine GTD, Generator Transfer Device, 120v or 277v
_E	Emergency circuit section
_N	Night Light circuit section
_L	Life Safety circuit section NO THROUGH WIRE

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	mples	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-2P2
 Single 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

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
DSP	Customer Supplied Battery/Driver/Sensor

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

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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

	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

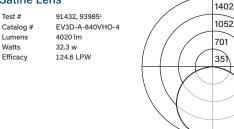
- Specify **MOD** in the part number for any of the below options
- Control Options may require specific driver. Refer to the chart below

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

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

¹Based 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. 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. 90 CRI = R9 \geq 50.

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 1598 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.