Туре



Key Features

HOUSING

Extruded aluminum trim with formed cold rolled 18 gauge steel back box housing

LENGTH OR MOUNTING

VOLTAGE

- 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









FIXTURE





Example Part #: EV4DPM2-HE-830HO-26'-G1-U-PL2-1-0-W

CONTROLS

Length pg. 3

PATTER	RN	EMERGENCY OPTIO	NS
HOUSING	SHIELDING	SOURCE	LENGTH OR PATTERN ²
EV4DPM - Edge 3, Perimeter EV4DPM2 - Edge 3, Perimeter, 2" Regress EV4DPM3 - Edge 3, Perimeter, 3" Regress EV4DPM4 - 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		Individual Fixture Continuous Row SI Inside Square SO Outside Square RI_x Inside Rectangle RO_x Outside Rectangle UI_x Inside U Shape UI_x Inside L Shape LI_x Noutside L Shape LO_x Outside L Shape

CIRCUITING

BATTERY &

FINISH

4" (101.6mm) See Mounting Section

DRIVER

		_	
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 Mounting pg. 3	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 Driver pg. 4	1 - Single Circuit M - Multi Circuit E - Emergency (entire fixture) N - Night Light (entire fixture) Circuiting pg. 5

BATTERY & EMERGENCY⁴	FINISH	FIXTURE OPTIONS	CONTROLS ⁶
_FSG - Factory Select ALCR _GB - Bodine GTD _GI - lota ETS DR _P - Bodine 10W _IC - lota 10W (CEC Listed) E - Fmergency Circuit Section	W - White S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color Finish pg. 5	GLR - Internal Fast Blow Fuse FIL - Field Cut Illuminated Extension <i>Fixture Options pg.</i> 6	DLMFC - Wattstopper DLM (wired) DLMFS - Wattstopper LLLC (wireless) EASYS - Philips EasySense (wireless) SNSLM - Osram Sensilum (wireless) WVLX - Eaton Wavelinx (wireless) VDO - Lutron Vive Sensor (wireless) VRF - Lutron Vive Connected (wireless) ENL Enlighted (wireless) 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. and information are continuous row come in 1/8" increments. Specify mounting for individual or continuous length: G1, G9, GS, FL, NF & SF for continuous rows, G1G, G9G, GSG, FLF, NFN & SFS for individual lengths. The area of the second of

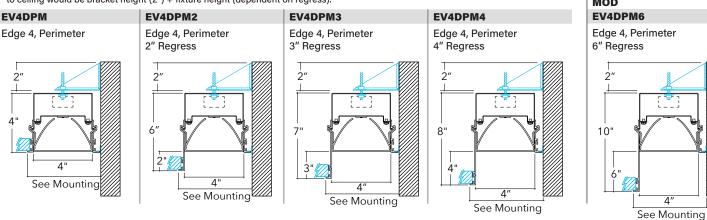
Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions. Designed in Denver, CO • USA | pinnacle-ltg.com | O: 303-322-5570

EV4DPM_LED_SPEC_JAN2022



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).

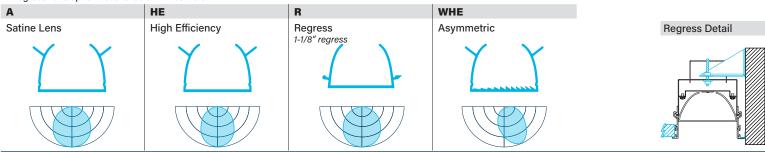


MOD Edge 4, Perimeter

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

- 80 CRI = R9≥19 and 90 CRI = R9≥61
- LPW and watts/ft based off 47" fixture size.

Custom	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

ou Chi										
	Color	Lumens	Shield	ling ¹						
		per foot	Α	Ū	HE		R		WHE	
			Satine		High Ef	ficiency	Regre	SS	Asymi	netric
			LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft
830	3000K	500	114	4.4	126	4.0	103	4.9	123	4.1
830HO	3000K	750	114	6.6	130	5.8	103	7.3	127	5.9
830VHO	3000K	1000	117	8.5	131	7.6	104	9.6	130	7.7
835	3500K	500	118	4.3	130	3.9	104	4.8	127	4.0
835HO	3500K	750	117	6.4	134	5.6	106	7.1	131	5.7
835VHO	3500K	1000	120	8.3	136	7.4	107	9.4	132	7.6
840	4000K	500	118	4.3	130	3.9	104	4.8	127	4.0
840HO	4000K	750	117	6.4	134	5.6	106	7.1	131	5.7
840VHO	4000K	1000	120	8.3	136	7.4	107	9.4	132	7.6
90 CRI										
		1	L	1	1	1	1	1	1	1
927	2700K	500	94	5.3	106	4.7	83	6.0	103	4.8
927HO	2700K	750	96	7.8	108	6.9	85	8.8	105	7.1
930	3000K	500	103	4.9	115	4.3	91	5.5	113	4.4
930HO	3000K	750	103	7.3	115	6.5	92	8.1	112	6.7
935	3500K	500	103	4.9	115	4.3	90	5.5	112	4.5
935HO	3500K	750	102	7.3	115	6.5	92	8.1	112	6.7
940	4000K	500	103	4.9	115	4.3	90	5.5	112	4.5
940HO	4000K	750	102	7.3	115	6.5	92	8.1	112	6.7

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



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			
DIOC					

	Color	Lumens	Shielding ¹			
		per foot	Α		HE	
			Satine		High Efficiency	
			LPW	LPW Watts/ft		Watts/ft
B35	3500K	500	500 70.1 7.1		81	6.2
В35НО	3500K	750	69.3	10.8	82	9.2
B35VHO	3500K	1000	N.	/A	79	12.7
B40	4000K	500	72.0	6.9	83	6.0
В40НО	4000K	750	71.3	10.5	84	8.9
B40VHO	4000K	1000	N/A		81	12.3

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			HE		
		Satine			High Effic	ciency	
	2700-	Lumens/ft	LPW	Watts/ft	Lumens/ft	LPW	Watts/ft
TW3	6500K	653	77	8.5	743	87	8.5

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

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



LI_x_

L-Shape,

LO_x

Pattern

SI

Square,

- 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

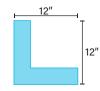
RI_x_

Rectangle,

RO_x_

Not all drivers available with all patterns; consult factory

SO



UO_x_x

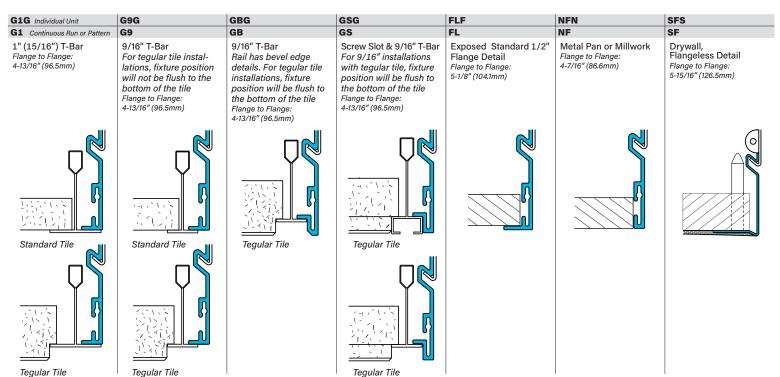
UI_x_x_

U-Shape,

Inside (SI) or Outside (SO) Provide overall length dimension for each fixture leg	Inside (RI) or Outside (RO) Provide overall length dimension for each fixture leg	Inside (UI) or Outside (UO) Provide overall length dimension for each fixture leg	Inside (LI) or Outside (LO) Provide overall length dimension for each fixture leg
Field Cut Illuminated 90° Insi Extension (FIL)	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		

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





Voltage

Some EV4D 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 EV4D configurations will not accommodate all driver options; consult with factory

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 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

How to Specify Circuiting, Battery and Emergency



- Select fixture circuiting from options below
- Some EV4D 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 EV4D 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			
_P	Bodine 10w Integral			
_IC	lota 10w Integral CEC Listed			

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

_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				

Battery OR Emergency Ordering Examples

Single circuit, 10w Integral Battery
 Emergency only, 10w Integral Battery
 Single circuit, GTD required
 Ordering Code: E-1P
 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
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

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

Controls: Tunable White

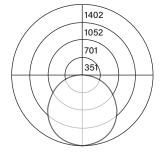
- Pinnacle Lighting offers easy to specify tunable white solutions for integrated building control solutions or standalone controls
- Pinnacle Lighting fixtures ship technology ready; comissioning by others
- Controls can only be used with Single Circuit (1) or Emergency Circuit (E)
- Contact factory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

	Solution	Components	Network/Sensor	Connection	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

Test # ITL91432 Catalog # EV2D-A-840VHO-4 Lumens 4020 lm Watts 34.7 w Efficacy 116 LPW



Candela Distribution

Vert Horizontal Angle

Angle						
	0	22.5	45	67.5	90	
0	1400	1400	1400	1400	1400	
5	1393	1395	1397	1398	1399	
10	1379	1382	1382	1379	1381	
15	1348	1344	1350	1350	1348	
20	1306	1298	1306	1307	1304	
25	1253	1245	1253	1254	1247	
30	1191	1178	1185	1184	1183	
35	1112	1104	1112	1108	1105	
40	1030	1023	1029	1027	1024	
45	940	932	935	932	930	
50	839	834	836	833	830	
55	734	730	730	729	727	
60	624	618	619	618	615	
65	507	504	503	501	503	
70	388	386	387	388	387	
75	269	268	271	273	274	
80	156	160	164	166	168	
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	

For all available IES files, please visit our website at pinnacle-ltq.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-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 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. 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.

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 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 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 and 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.