

EDGE EV6PM

6" Recessed Perimeter

Key Features

- Extruded aluminum trim with formed cold rolled 20 gauge steel back box housing
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed. IC rated
- Approved for dry/damp location unless otherwise noted
- Room-Side Maintenance for LED system
- Product transparency with third-party verified Living Building Challenge (LBC) Declared



Example Part #: EV6PM2-A-830HO-26'-G1-U-FSD-1-0-W

HOUSING	SHIELDING	CRI, CCT & OUTPUT	LENGTH OR PATTERN	MOUNTING	VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	Fixture Options	CONTROLS
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HOUSING	SHIELDING	CRI, CCT & OUTPUT ¹	LENGTH OR PATTERN ²
EV6PM - Edge 6, Perimeter			
EV6PM2 - Edge 6, Perimeter, 2" Regress			
EV6PM3 - Edge 6, Perimeter, 3" Regress			
EV6PM4 - Edge 6, Perimeter, 4" Regress			
MOD - Modifications Available			
<i>Housing pg. 2</i>	<i>Shielding pg. 2</i>	<i>Custom Lumens</i> <i>Custom Watts</i> <i>Lumen Output pg. 2</i>	<i>Individual Fixture</i> <i>Continuous Row</i> SI - Inside Square SO - Outside Square RI - Inside Rectangle RO - Outside Rectangle UI - Inside U Shape UO - Outside U Shape LI - Inside L Shape LO - Outside L Shape <i>Length pg. 3</i>

MOUNTING	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 <i>Mounting pg. 4</i>	U - Universal (120 thru 277V) 1 - 120V 2 - 277V 3 - 347V <i>Voltage pg. 4</i>	FSD - Factory Select Driver (1%, 0-10v) PL2 - Advance Xitanium (1%, 0-10v) OL2 - eldoLED Optotronic (1%, 0-10v) OL4 - eldoLED Optotronic 347V (1%, 0-10v) EE1 - eldoLED ECOfdrive (1%, 0-10v) ES1 - eldoLED SOLOdrive (0.1%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) L51 - Lutron 5-Series (5%, EcoSystem) PS1 - Advance Xitanium (50%/100%) <i>Driver pg. 4</i>	1 - Single Circuit M - Multi Circuit E - Emergency (entire fixture) N - Night Light (entire fixture) <i>Circuiting pg. 5</i>

BATTERY & EMERGENCY ³	FINISH	Fixture Options ⁴	CONTROLS
0 - None FSB - Factory Select Battery FSG - Factory Select ALCR GB - Bodine GTD GI - Iota ETS DR ILL - Iota 10W PLL - Bodine 10W <i>Battery and Emergency pg. 5</i>	W - White S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 5</i>	CP - Chicago Plenum GLR - Internal Fast Blow Fuse FW6 - 6' Flex Whip DSP - Customer Supplied Battery/Driver/Sensor FIL - Field Cut Illuminated Extension BA - Buy America(n) Act and/or Build America Buy America Compliant <i>Fixture Options pg. 5</i>	<i>Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.</i>

¹When specifying CRI, CCT & OUTPUT 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' & 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'. ³Enter quantity for Battery and Emergency, Example 2PLL. ⁴Compliance is configuration dependent; consult factory for confirmation.

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.



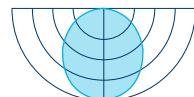
Housing

EV6PM	EV6PM2	EV6PM3	EV6PM4	MOD EV6DPM6
Edge 6, Perimeter	Edge 6, Perimeter 2" Recess	Edge 6, Perimeter 3" Recess	Edge 6, Perimeter 4" Recess	Edge 6, Perimeter 6" Recess
See Mounting	See Mounting	See Mounting	See Mounting	See Mounting

Shielding

A

Satine Lens



CRI, CCT & Output

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory
- 90 CRI = R9≥50

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

	Color	Output	Watts per foot	Shielding		
				A	Satine Lumens/ft	LPW
830	3000K	Standard	4.6	411	88.9	
830HO	3000K	High	8.7	752	86.9	
835	3500K	Standard	4.6	423	91.5	
835HO	3500K	High	8.7	774	89.4	
840	4000K	Standard	4.6	431	93.2	
840HO	4000K	High	8.7	788	91.1	

90 CRI

927	2700K	Standard	4.6	325	70.2
927HO	2700K	High	8.7	594	68.7
930	3000K	Standard	4.6	379	81.9
930HO	3000K	High	8.7	693	80.1
935	3500K	Standard	4.6	381	82.4
935HO	3500K	High	8.7	696	80.5
940	4000K	Standard	4.6	385	83.2
940HO	4000K	High	8.7	704	81.4

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Length

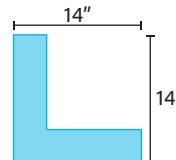
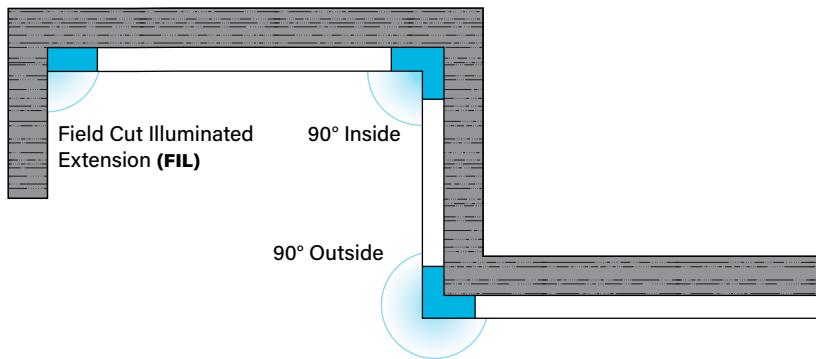
- Individual units cannot be joined, end trims are factory installed and cannot be removed
- Refer to Pattern section for specification and ordering options
- Continuous Rows are made up of even and odd length fixtures; designed to fall on-grid

2	3	4	5	6	8	-
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run Specify nominal overall row length to the 1/8"
23" (584.2mm)						
35" (889mm)						
47" (1193.8mm)						
59" (1498.6mm)						
71" (1803.4mm)						
95" (2413mm)						
Specify to the 1/8"						

Pattern

- Specify pattern shape and overall dimensions (includes corner dimensions)
- 90 degree horizontal corners are 14" x 14" (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_x	SO_x	RI_x	RO_x	UI_x_x	UO_x_x	LI_x	LO_x
Square, Inside (SI) or Outside (SO) Provide overall length dimension for each fixture leg	Rectangle, Inside (RI) or Outside (RO) Provide overall length dimension for each fixture leg	U-Shape, Inside (UI) or Outside (UO) Provide overall length dimension for each fixture leg	L-Shape, Inside (LI) or Outside (LO) Provide overall length dimension for each fixture leg				

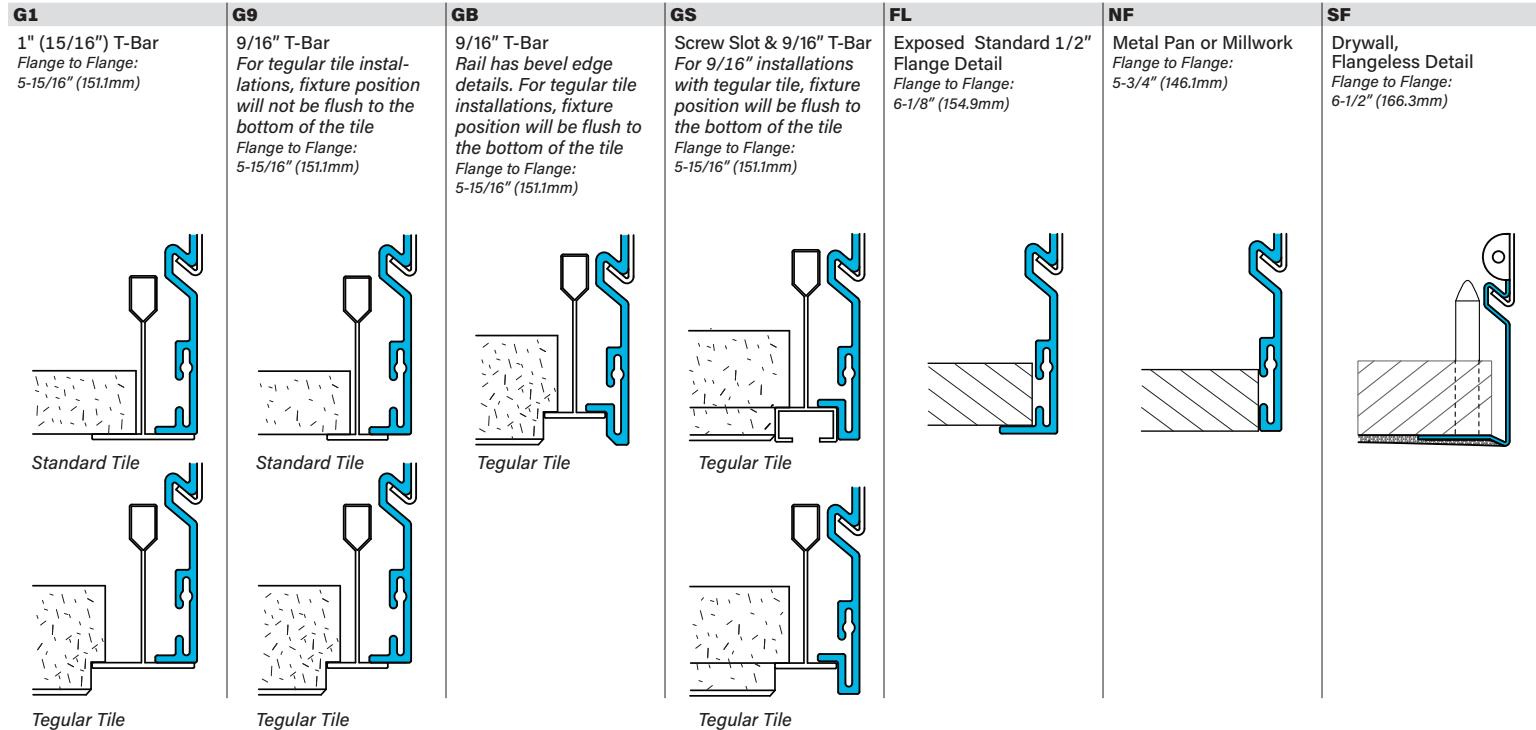




Mounting

- All 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 EV6 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
- Some EV6 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	eldoLED Optotronic, 1%, 0-10v
OL4	eldoLED 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

DALI Drivers

EE3	eldoLED ECOdrive 1%, DALI 2, Logarithmic, DT6
ES3	eldoLED SOLOdrive 0.1%, DALI 2, Logarithmic, DT6

Lutron Drivers

LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
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Alternate Drivers

PS1	Advance Xitanium Step Dimming 50%/100%
EH1	ERP 1%, Line Voltage and ELV, requires 120v



How to specify Circuiting, Battery and Emergency

1

- Select fixture circuiting from options below
- Some EV6 configurations will not accommodate all circuiting options, consult with factory

Circuiting

1	Single Circuit
M	Multi Circuit
E	Emergency Circuit only
N	Night Light Circuit only

2

- Battery and emergency section options are available in addition to fixture circuit
- Select battery and emergency section options below; factory shop drawing required
- Some EV6 configurations will not accommodate all circuiting options, consult with factory

3

Battery and/or Emergency If Required

0	No battery or specific emergency section required
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Battery

- Select battery section type if required, indicate total QTY. Example 2PLL
- 90 minute battery runtime; test button is remote to fixture and requires an additional drop
- No battery option available for 2' lengths

- Entire fixture is on battery for lengths up to 5'
- Largest reflector section is on battery for 6', 7' and 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

0	No Battery
_FSB	Factory Select Battery (10w option)
_FSBST	Factory Select Battery (10w, Self Testing)
_ILL	Iota 10w Integral Lithium, Self Testing
_PLL	Bodine 10w Integral Lithium, Self Testing

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 Emergency Control Device, UNV
_GI	Iota ETS-DR, Emergency Control Device, UNV
_GB	Bodine GTD, Emergency Control Device, 120v or 277v
_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	Ordering Code: 1-1FSB
▪ Emergency only, 10w Integral Battery	Ordering Code: E-1PLL
▪ Single circuit, GTD required	Ordering Code: 1-1GB

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

CP	Chicago Plenum
GLR	Internal Fast Blow Fuse
FW6	6' Flex Whip
DSP	Customer Supplied Battery/Driver/Sensor
FIL	Field Cut Illuminated Extension

- Domestic content option - compliance is configuration dependent; consult factory for conformation

BA	Buy America(n) Act and/or Build America Compliant
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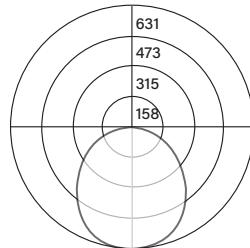
Controls

- Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.

Photometrics

Satine Lens

Test # ITL86394
Catalog # EV6A-840-4
Lumens 1724 lm
Watts 18.5 W
Efficacy 93 LPW



Candela Distribution

Vert Angle	0	22.5	45	67.5	90
0	631	631	631	631	631
5	627	627	627	627	627
10	619	616	616	615	
15	602	598	599	599	596
20	582	575	578	575	574
25	553	546	548	545	543
30	521	514	516	512	508
35	483	476	477	473	470
40	442	436	436	432	429
45	399	393	393	389	386
50	354	350	348	344	343
55	308	304	303	300	298
60	261	257	256	254	253
65	213	211	209	207	207
70	167	165	163	162	162
75	121	119	118	118	118
80	78	77	76	75	75
85	38	37	37	36	36
90	0	0	0	0	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3722	3666	3599
55	3535	3477	3418
65	3321	3257	3225
75	3087	3009	3009
85	2851	2774	2697

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 or IAS accredited testing laboratory. Testing conducted at 25°C ambient conditions

Applications & Certificates

Housing: Extruded aluminum trim with formed cold rolled 20 gauge steel back box housing. Highly reflective die-formed white painted steel reflector.

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

Mounting: Evolution is designed to install into acoustical grid and inaccessible ceilings. Specify GXG, FLF, SFS, NFN for individual, unjoinable units (individual units will fall on-grid). Specify GX, FL, SF, NF for continuous runs (runs designed to fall on-grid). Grid retention brackets are integral to housing. Each housing contains 4 grid retention brackets. Consult factory for detailed installation instructions.

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 = 135,200 hours and L90 = 40,300 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.

CRI, CCT & Lumen Output: 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. 80 CRI is available for 3000K, 3500K, and 4000K. 90 CRI is available for 2700K, 3000K, 3500K, and 4000K. 90 CRI = R9≥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 Evolution 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: Consult factory.

Buy America Act (BAA) and Build America, Buy America Act (BABA) Compliance: BAA and/or BABA compliance options are available to support federally funded projects requiring domestic content. Availability depends on configuration; Compliance is configuration-dependent; consult factory for confirmation.

Labels: UL and cUL 1598 listed. Standard and HO lumen packages are IC Rated, approved for dry/damp location unless otherwise noted.

Sustainability: All models are Living Building Challenge (LBC) Declared with third-party verification. The Declare Label from ILFI provides transparent insights into materials, sourcing, and environmental impact, promoting informed, sustainable choices that benefit both people and the planet. View the label [here](#).

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

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