

Project:	
Type:	
Catalog #:	

The POL SERIES Cutoff Architectural Wall Sconces provide controlled down lighting with a uniform distribution designed to replace HID lighting systems up to 70w MH or HPS. Typical wall mounted lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 8 to 16 feet can be used based on light level and uniformity requirements.

SPECIFICATIONS AND FEATURES:

HOUSING: Die Cast Aluminum Housing with Flush Mount Easy-Hang Wall Bracket, Built-In Level, Flat Top, Sealed Driver Compartment. Photocell Adaptable.

LISTING AND RATINGS: CSA: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 Sealed LED Compartment.

FINISH: Textured Architectural Bronze or Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

LENS: Clear Polycarbonate or SoftLED LumaLens Opal Polycarbonate Vandal-Resistant Inner Lens to Seal LED Array.

Mounting Options: Mount over a 4" Recessed Outlet Box.

LED: Aluminum Boards

WATTAGE: Array: 16.6w, System: 20.2w (70w HID Equivalent)

DRIVER: Electronic Driver, 120-277V, 50/60Hz or 347V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

CONTROLS: Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

WARRANTY:

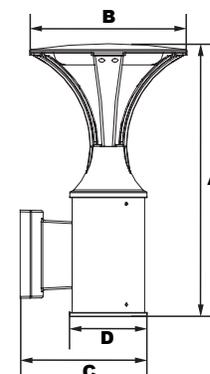
5-Year Warranty for -40°C to +40°C Environment.



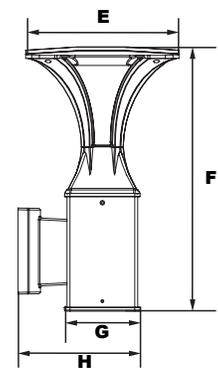
POL3 - Reveal Round Wall Sconce



POL4 - Reveal Square Wall Sconce



POL3



POL4

POL3 Dimensions

Width (B)	10 1/4" (260mm)
Height (A)	17 3/4" (452mm)
Diameter (D)	5" (127mm)
Length (C)	8 3/8" (207mm)

POL4 Dimensions

Width (E)	10 1/4" (260mm)
Height (F)	17 3/4" (449mm)
Diameter (G)	5" (128mm)
Length (H)	8 3/8" (207mm)

ORDER INFORMATION EXAMPLE

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
POL3 - Round Wall Sconce POL4 -Square Wall Sconce	F =Wide Beam Spread	1X16 16=16w	LV =120-277V C =347V	4K =4000K 5K =5000K	C =Clear Polycarbonate Array Lens L =SoftLED LumaLens Opal Polycarbonate Array Lens	Z =Bronze B =Black C =Custom (Consult Factory)	SF =Single Fuse DF =Double Fuse SP =Surge Protection PC1 =Photocell, 120VAC PC2 =Photocell, 250-305VAC

ACCESSORIES AND REPLACEMENT PARTS



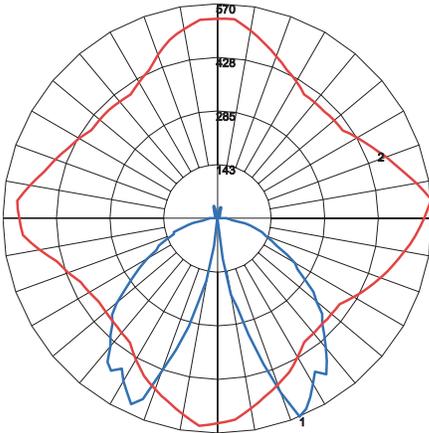
PC1 & PC2

REPLACEMENT PARTS (Order Separately, Field Installed)

POLL	SoftLED LumaLens Opal Polycarbonate Array Lens
POLLL	SoftLED LumaLens Opal Polycarbonate Array Lens
PC1	120VAC, Photocell
PC2	250-305VAC, Photocell

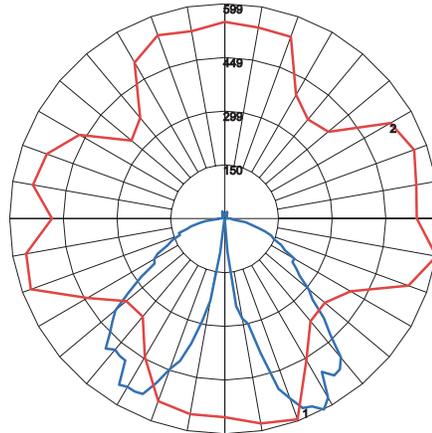
For Replacement Battery Backup, see the LEPG LED Battery Backup Specification Sheet.

PHOTOMETRIC DATA



Maximum Candela = 570,207 Located At Horizontal Angle = 5, Vertical Angle = 22.5
1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (22.5) (Through Max. Cd.)

POL3QF1X16U5KC
Type V



Maximum Candela = 598,595 Located At Horizontal Angle = 350, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (350 - 170) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)

POL4QF1X16U5KC
Type V

PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI					4000 CCT 80 CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
16w	525	20	POL3 Type V	1,603	80	1	2	1	1,539	77	1	2	1
			POL4 Type V	1,678	84	1	2	1	1,611	81	1	2	1

PROJECTED LUMEN MAINTENANCE

Data shown for 5000 CCT		Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70 at 25°C
POL3 L70 Lumen Maintenance at 25°C / 77°F	20	1.00	0.96	0.92	0.84	187,000
POL4 L70 Lumen Maintenance at 25°C / 77°F	20	1.00	0.96	0.92	0.84	187,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70 at 50°C
POL3 L70 Lumen Maintenance at 50°C / 122°F	20	1.00	0.94	0.87	0.74	117,000
POL4 L70 Lumen Maintenance at 50°C / 122°F	20	1.00	0.93	0.87	0.73	113,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80 at 40°C
POL3 L80 Lumen Maintenance at 40°C / 104°F	20	1.00	0.97	0.93	0.87	151,000
POL4 L80 Lumen Maintenance at 40°C / 104°F	20	1.00	0.97	0.93	0.86	144,000

NOTES:

- Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
- Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.