

Spec Grade
PROlite LED Lighting™

A Division of Emergence® Lighting, Inc.



Job Name: _____

Type: _____

Part #: _____

Notes: _____

PWBB3Q Series

Reveal Round & Square Wall Sconces.



The LEPG PWBB3Q and PWBB4Q EasyLED Reveal 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 & 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 UV-Stabilized Polycarbonate or SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Inner Lens to Seal LED Array.

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

EasyLED 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 LEPG Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

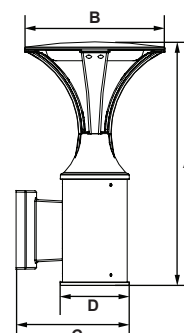
Warranty: 5-Year Warranty for -40°C to +50°C Environment.



PWBB3Q - Reveal Round Wall Sconce



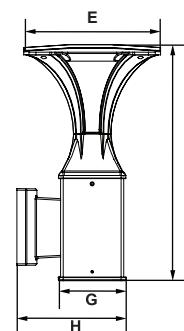
PWBB4Q - Reveal Square Wall Sconce



PWBB3Q

PWBB3Q Dimensions

| | |
|--------------|-----------------|
| Width (B) | 10 1/4" (260mm) |
| Height (A) | 17 1/4" (442mm) |
| Diameter (D) | 5" (127mm) |
| Length (C) | 8 1/4" (207mm) |



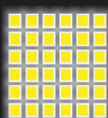
PWBB4Q

PWBB4Q Dimensions

| | |
|--------------|-----------------|
| Width (E) | 10 1/4" (260mm) |
| Height (F) | 17 1/4" (442mm) |
| Diameter (G) | 5" (127mm) |
| Length (H) | 8 1/4" (207mm) |

Order Information:

| Model | Optics | Wattage | Driver | CCT | Lens | Color | Options |
|----------------------------------|--------------------|----------|----------------------|----------------------|--|---|---|
| | F=Wide Beam Spread | 1X16=16w | | | | | |
| PWBB3Q=Reveal Round Wall Sconce | F=Wide Beam Spread | 1X16=16w | U=120-277V C=347V | 4K=4000K 5K=5000K | C=Clear UV-Stabilized Polycarbonate Array Lens L=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens | Z=Bronze B=Black C=Custom (Consult Factory) | SF=Single Fuse (120-277V Only) DF=Double Fuse (120-277V Only) SP=Surge Protection PC1=Photocell, 120VAC PC3=Photocell, 120-277VAC |
| PWBB4Q=Reveal Square Wall Sconce | | | | | | | |



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Job Name:

Type:

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Accessories & Replacement Parts:

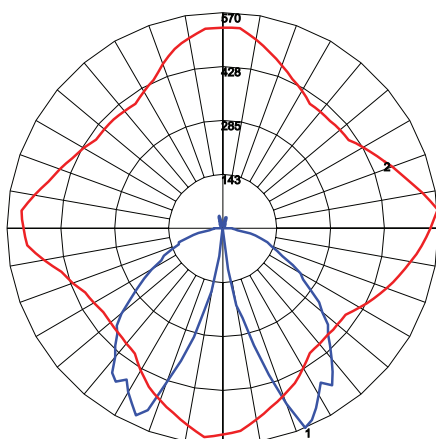


P18100 &
P18103

Replacement Parts (Order Separately, Field Installed)

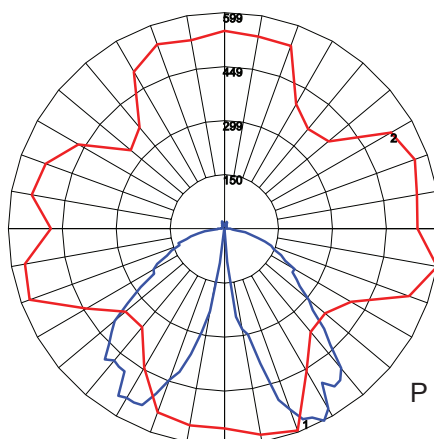
| | |
|--------|--|
| B3LL | SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens |
| B4LL | SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens |
| P18100 | 120VAC Photocell |
| P18103 | 120-277VAC Photocell |

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.)

PWBB3QF1X16U5KC
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.)

PWBB4QF1X16U5KC
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 |
| EasyLED 16w | 525 | 20 | PWBB3 Type V | 1,603 | 80 | 1 | 2 | 1 | 1,539 | 77 | 1 | 2 | 1 |
| | | | PWBB4 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@ 25°C |
| PWBB3 L70 Lumen Maintenance @ 25°C / 77°F | 20 | 1.00 | 0.96 | 0.92 | 0.84 | 187,000 |
| PWBB4 L70 Lumen Maintenance @ 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@ 50°C |
| PWBB3 L70 Lumen Maintenance @ 50°C / 122°F | 20 | 1.00 | 0.94 | 0.87 | 0.74 | 117,000 |
| PWBB4 L70 Lumen Maintenance @ 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@ 40°C |
| PWBB3 L80 Lumen Maintenance @ 40°C / 104°F | 20 | 1.00 | 0.97 | 0.93 | 0.87 | 151,000 |
| PWBB4 L80 Lumen Maintenance @ 40°C / 104°F | 20 | 1.00 | 0.97 | 0.93 | 0.86 | 144,000 |

NOTES:

1. 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.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.