

PBOL

ROUND & SQUARE - BOL

STANDARD

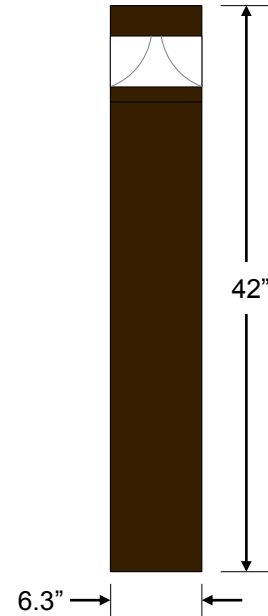


FEATURES

- Available in 4000k (neutral white) and 5000 (cool white) color temperatures.*
- Long-life LEDs provide at least 70% of initial lumen output (L₇₀) for ≥ 180,000 hours of operation, and at least 90% of initial lumen output (L₉₀) for ≥ 54,000 hours of operation.**
- LED chromaticity based on < 5-step ANSI quadrangles.
- LED color maintenance ≤ 0.001 chromaticity shift (Δu'v') over the initial 6,000 hours of operation.
- 2,700 nominal lumens.
- 21 nominal watts.
- 0-10vdc dimming drivers, which provide 10% continuous dimming are standard.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index (Ra) > 80. Red color rendering of at least 15.
- Cast aluminum housing with dark bronze, powder coat finish.
- High-impact, polycarbonate lens.
- Easy installation in new construction or retrofit applications.



DIMENSIONS



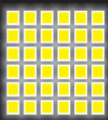
PBOL-R = 8.4 lbs.
PBOL-S = 12.7 lbs

WARRANTY & LISTINGS

- cULus listed for wet locations in ambient temperatures from 40°C to 50°C (-40°F to 122°F).
- IP65 rated for ingress protection.
- DLC 5.1 premium approved.
- Complies with FCC Part 15, class A.
- Complies with ICE61000-4-5, input transient surge protection (line-neutral = 4kV; line- & neutral-ground = 6kV).
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- 5-year warranty of all electronics and housing.

ORDERING INFORMATION

| Series | Style | | Lumen Output | Color Temperature | | Required Mounting Means Order Separately | |
|--------|-------|--------|--------------|-------------------|-------|--|--------------------------------|
| PBOL | | | 27L | | | | |
| | R | Round | 2,700 lm | 4K | 4000k | BOL-R-MTGKIT | Anchor bolt for round bollard |
| | S | Square | | 5K | 5000k | BOL-S-MTGKIT | Anchor bolt for square bollard |



ELECTRICAL DATA

| Model | Color Temperature | CRI ¹ | Luminaire Lumens | Luminaire Watts | Lumens Per Watt | Input Voltage | Input Current (A) | | | Power Factor | THD ² | L ₇₀ Hours ³ |
|---------------|-------------------|------------------|------------------|-----------------|-----------------|---------------|-------------------|------|------|--------------|------------------|------------------------------------|
| | | | | | | | 120V | 240V | 277V | | | |
| PBOL-R-27L-4K | 4000k | > 80 | 2,772 | 22 | 129 | 120-277 | 0.18 | 0.09 | 0.08 | > 90% | < 20% | 180,000 |
| PBOL-R-27L-5K | 5000k | > 80 | 2,785 | 21 | 130 | 120-277 | 0.18 | 0.09 | 0.08 | > 90% | < 20% | 180,000 |
| PBOL-S-27L-4K | 4000k | > 80 | 2,739 | 22 | 126 | 120-277 | 0.18 | 0.09 | 0.08 | > 90% | < 20% | 180,000 |
| PBOL-S-27L-5K | 5000k | > 80 | 2,756 | 21 | 130 | 120-277 | 0.18 | 0.09 | 0.08 | > 90% | < 20% | 180,000 |

¹ Color rendering index

² Total harmonic distortion

³ L₇₀ refers to the number of hours at which lumen output declines to 70% of the initial level. L₇₀ hours are IES TM-21-11 calculated hours.

PHOTOMETRIC DATA

PBOL-R-27L-5K

Luminaire Data

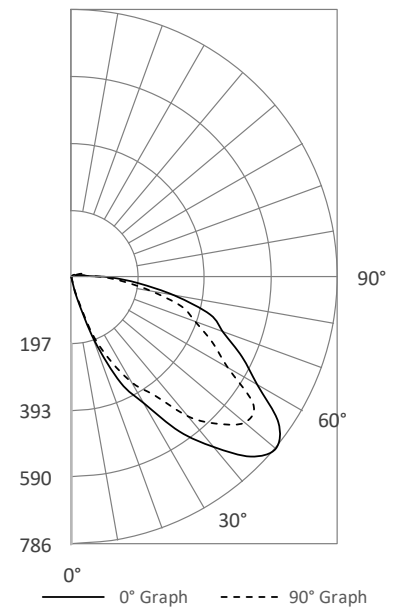
| | |
|-----------------------------|----------------------------|
| Description | BOLLARD (ROUND) 27L, 5K |
| Total Lumens | 2,796 |
| Input Wattage | 21 |
| Efficacy (lm/W) | 131 |
| Max. Cd. | 827.74 (45H, 54V) |
| IES Classification | Type IV |
| Longitudinal Classification | Very Short |

Luminaire Classification Systems (LCS)

| LCS Zone | | Lumens | %Lum |
|--------------|---------|--------|--------|
| FL | 0-30 | 85 | 3.1% |
| FM | 30-60 | 749 | 26.8% |
| FH | 60-80 | 463 | 16.6% |
| FVH | 80-90 | 104 | 3.7% |
| BL | 0-30 | 71 | 2.5% |
| BM | 30-60 | 679 | 24.3% |
| BH | 60-80 | 438 | 15.7% |
| BVH | 80-90 | 98 | 3.5% |
| UL | 90-100 | 49 | 1.7% |
| UH | 100-180 | 61 | 2.2% |
| Total | | 2,796 | 100.0% |

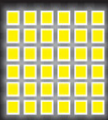
BUG Rating B1-U3-G2

180° **Polar Graph**



Zonal Lumen Summary

| Zone | Lumens | %Fixt |
|----------|--------|--------|
| 0-30° | 157 | 5.6% |
| 0-60° | 1,584 | 56.7% |
| 0-80° | 2,485 | 88.9% |
| 80-90° | 202 | 7.2% |
| 0-90° | 2,687 | 96.1% |
| 90-110° | 77 | 2.7% |
| 110-180° | 0 | 0.0% |
| 0-180° | 2,796 | 100.0% |



Job Name: _____

Type: _____

Part #: _____

Notes: _____

PHOTOMETRIC DATA

PBOL-S-27L-5K

Luminaire Data

| | |
|-----------------------------|-----------------------------|
| Description | BOLLARD (SQUARE) 27L, 5K |
| Total Lumens | 2,760 |
| Input Wattage | 21 |
| Efficacy (lm/W) | 130 |
| Max. Cd. | 757.38 (90H, 51V) |
| IES Classification | Type VS |
| Longitudinal Classification | Short |

Zonal Lumen Summary

| Zone | Lumens | %Fixt |
|----------|--------|--------|
| 0-30° | 153 | 5.5% |
| 0-60° | 1,525 | 55.2% |
| 0-80° | 2,465 | 89.3% |
| 80-90° | 167 | 6.1% |
| 0-90° | 2,632 | 95.4% |
| 90-110° | 90 | 3.3% |
| 110-180° | 0 | 0.0% |
| 0-180° | 2,760 | 100.0% |

Luminaire Classification Systems (LCS)

| LCS Zone | Lumens | %Lum | |
|--------------|---------|--------------|---------------|
| FL | 0-30 | 84 | 3.0% |
| FM | 30-60 | 695 | 25.2% |
| FH | 60-80 | 463 | 16.8% |
| FVH | 80-90 | 79 | 2.9% |
| BL | 0-30 | 69 | 2.5% |
| BM | 30-60 | 676 | 24.5% |
| BH | 60-80 | 477 | 17.3% |
| BVH | 80-90 | 88 | 3.2% |
| UL | 90-100 | 63 | 2.3% |
| UH | 100-180 | 65 | 2.4% |
| Total | | 2,760 | 100.0% |

BUG Rating

B1-U3-G1

180° Polar Graph

