



LED bollard with architectural quality and strength at an affordable price point. Cylindrical post with dome head. Available in 4 light pattern configurations including 360° (24W), 270°(18W), 180°(12W option) & 90°(12W standard).

Color: Bronze

Weight: 10.4 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

LED Info

Type	Constant Current	Watts	18W
120V	0.24A	Color Temp	5100K (Cool)
208V	0.18A	Color Accuracy	73 CRI
240V	0.15A	L70 Lifespan	100,000 Hours
277V	0.12A	Lumens	2,166 lm
Input Watts	17.1W	Efficacy	126.7 lm/W

Technical Specifications

Compliance

UL Listed:

Suitable for wet locations. Suitable for mounting within 4 ft (1.2m) of the ground.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

LED Characteristics

LEDs:

Long-life, high-efficiency, surface-mount LEDs

Color Consistency:

5-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warranted to shift no more than 200K in color temperature over a 5-year period

Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

Performance

Lifespan:

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Wattage Equivalency:

Equivalent to 50W Metal Halide

Optical

BUG Rating:

B1 U3 G2

Construction

Cold Weather Starting:

The minimum starting temperature is -40°C (-40°F)

Thermal Management:

Cast aluminum Thermal Management system for optimal heat sinking. The BDLED is designed for cool operation, maximum efficiency and long life by minimizing LED junction temperature.

Housing:

Die-cast aluminum with extruded aluminum post

Lens:

Frosted vandal resistant polycarbonate

Reflector:

Vacuum-metalized polycarbonate

Gaskets:

High-temperature silicone gaskets seal out moisture gaskets seal out moisture

Anchor Bolt:

Anchor Bolt Dimension is available [here](#).

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Installation

Mounting:

Four (4) anchor bolts provided for concrete pad mounting. Internal base support has leveling screws.

Other

Patents:

The design of BLED is protected by patents in US, Canada & China

Technical Specifications (continued)

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Electrical

Driver:

Constant Current, Class 2, 100-277V, 50/60 Hz, 4kV Surge Protection, 700mA, 120V: 0.24A, 208V: 0.18A, 240V: 0.15A, 277V: 0.12A

THD:

12.13% at 120V, 7.58% at 277V

Power Factor:

93.9% at 120V, 92.8% at 277V

Dimensions



Features

- Patented base mount design for super sturdy installation
- Durable construction and frosted vandal-resistant polycarbonate lens
- Precision-engineered optics deliver maximum downward lighting without glare
- Four leveling screws provided for easy installation
- 100,000-hour LED lifespan

Ordering Matrix

Family	Wattage	Color Temp	Finish		Distribution	Driver	Dimming	Backup
BDLEDR	18			-				
	18 = 18W 270° Pattern 24 = 24W 360° Pattern 12 = 12W	Blank = 5000K Cool N = 4000K Neutral Y = 3000K Warm	Blank = Bronze W = White K = Black		Blank = Standard ¹ 180 = 180 degrees (12W only)	Blank = No Option (120-277V) /480 = 480V (24W only)	Blank = None (Standard) /D10 = 0-10V Dimming	Blank = No Battery Backup /E = Battery Backup (24W only) ³ /EC = Battery Backup Cold Weather (24W only) ³

¹ Standard Distributions: 24W = 360Å°, 18W = 270Å°, 12W = 90Å°*

² 480VAC available for 24W fixture versions - offered with /D10 dimming option as standard

³ Only for 24W, 120-277VAC fixture versions