BLEDR18K



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

Color: Black

Weight: 22.4 lbs

Project:	**Type:**
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	0.24A
208V	0.18A
240V	0.15A
277V	0.12A
Input Watts	17.1W

LED Info

Watts	18W
Color Temp	5100K (Cool)
Color Accuracy	73 CRI
L70 Lifespan	100,000 Hours
Lumens	2,153 lm
Efficacy	125.9 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 warrantied 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

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 BLED 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

Replacement:
Replaces up to 50W Metal Halide

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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

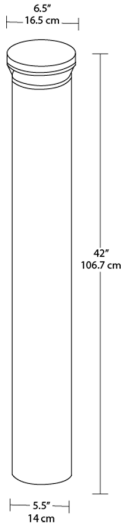
Driver:
Constant Current, Class 2, 100-277V, 50/60 Hz, 4kV Surge Protection, 700mA, 120V: 0.24A, 208V: 0.18A, 240V: 0.15A, 277V: 0.12A

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:
8.22% at 120V, 7.85% at 277V

Power Factor:
98.98% at 120V, 94.6% at 277V

Dimensions



Features

- Patented base mount design for super sturdy installation
- Durable construction and frosted vandal-resistant polycarbonate lens
- 4 configurations to provide 360°(24W), 270°(18W), 180°(12W) or 90°(12W) lighting pattern
- Precision-engineered optics deliver maximum downward lighting without glare
- Four leveling screws provided for easy installation
- 100,000-hour LED lifespan

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Ordering Matrix

Family	Wattage	Color Temp	Finish		Distribution	Driver	Dimming	Backup
BLEDR	18		K	–				
	18 = 18W **24 =** 24W **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 = 360Â°, 18W = 270Â°, 12W = 90Â° **

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

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

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