



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

Color: Black Weight: 10.4 lbs

Project:	Туре:
Prepared By:	Date:

Driver Info	1	LED Info	
Туре	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 IESNAIm-79 and Im-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

### 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

### Mounting:

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

#### 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.

## Other

## Patents:

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

BDLEDR18K/D10



# **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.

### **Buy American Act Compliance:**

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

### **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

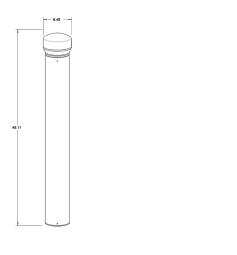
#### THD:

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 Mat	rix						
Family	Wattage	Color Temp	Finish	Distribution	Voltage	Dimming	Backup
BDLEDR	18		К -			/D10	
	12 = 12W 18 = 18W 270° Pattern 24 = 24W 360° Pattern	Blank = 5000K Cool N = 4000K Neutral Y = 3000K Warm	Blank = Bronze W = White K = Black	<b>Blank</b> = Standard <sup>1</sup> <b>180</b> = 180 degrees (12W only)	Blank = No Option (120-277V) /480 = 480V (24W only) <sup>2</sup>	Blank = None (Standard) /D10 = 0-10V Dimming	Blank = No Battery Backup /E = Battery Backup (24W only) <sup>3</sup> /EC = Battery Backup Cold Weather (24W only) <sup>3</sup>
			ilable for 24W fixtu	ions: 24W = 360°, 18W = 2 re versions - offered with /L r 24W, 120-277VAC fixture	)10 dimming option as st	andard	