# BDLEDR18N

# RAB



Proje	ect:	Туре:		
Prep	ared By:	Date:		
Driver Ir	nfo	LED Info		
Type 120V	Constant Current 0.24A	Watts Color Temp	18W 4000K (Neutral)	

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

# **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

# 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:

208V

240V

277V

0.18A

0.15A

0.12A

Input Watts 17.6W

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

Color Accuracy 72 CRI

100,000 Hours

2,211 lm

125.6 lm/W

L70 Lifespan

Lumens

Efficacy

#### 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

# **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 <u>rablighting.com/warranty.</u>

#### **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:

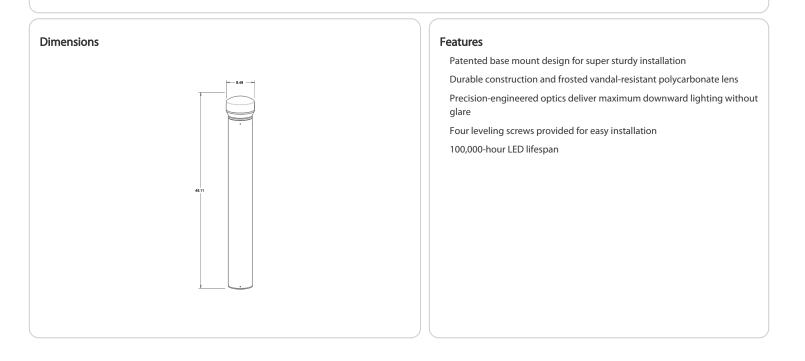
Constant Current, Class 2, 100-277V, 50/60 Hz, 4kV Surge Protection, 700mA, 120V: 0.24A, 208V: 0.18A, 240V: 0.15A, 277V: 0.12A

#### THD:

12.13% at 120V, 7.58% at 277V

#### **Power Factor:**

93.9% at 120V, 93.2% at 277V



# BDLEDR18N

Family	Wattage	Color Temp	Finish	Distribution	Voltage	Dimming	Backup
BDLEDR	18	N	-	-			
	<b>18 =</b> 18W 270° Pattern <b>24 =</b> 24W 360° Pattern <b>12 =</b> 12W	Blank = 5000K Cool N = 4000K Neutral Y = 3000K Warm	Blank = Bronze W = White K = Black	Blank = Standard <sup>1</sup> 180 = 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>
		1	Standard Distribut	ions: 24W = 360°, 18W = 23	70°, 12W = 90° *		