

# BLED18N/EC



LED bollard with emergency backup battery that will last for 90 minutes during power interruption. Available in 12, 18 and 24 Watt versions that provide 180, 270 and 360 degree lighting patterns.

Color: Bronze

Weight: 23.0 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:	22W
Efficiency:	82%

### LED Info

Watts:	18W
Color Temp:	4000K
Color Accuracy:	85 CRI
L70 Lifespan:	100000
Lumens:	818
Efficacy:	37 LPW

## Technical Specifications

### Other

#### Cold Start BLED18 with Battery Backup:

Minimum starting temperature is -20°C/-4°F

#### California Title 24:

BLED18 complies with 2013 California Title 24 building and electrical codes as a commercial outdoor non-pole-mounted fixture < 30 Watts when used with a photosensor control. Select catalog number PCS900(120V) or PCS900/277 to order a photosensor.

#### Patents:

The design of BLED is protected by patents pending in US, Canada, China, Taiwan and Mexico.

#### 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.

#### Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

#### Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

#### Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

#### Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

#### GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

### Listings

#### UL Listing:

Suitable for wet locations. Battery Backup UL 924 Listed Emergency Lighting Power Supply

#### IESNA LM-79 & IESNA LM-80 Testing:

RAB LED fixtures have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

#### LED Characteristics

##### LEDs:

6W multi-chip, long-life LEDs

##### Lifespan:

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

##### Color Consistency:

3-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 CCT over a 5 year period.

##### Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011

### Electrical

#### Driver:

Constant Current, Class 2, 100-277V, 50/60 Hz, 6kV Surge Protection, 700mA, 100-277VAC 0.04 A.

#### THD:

15.3% at 120V

### Battery Backup

#### Backup Battery:

Two field-replaceable, high-temperature, maintenance-free, nickel-cadmium batteries.

#### Construction

##### Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures

##### 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 bollard shaft

##### Lens:

Clear, vandal-resistant polycarbonate

##### Mounting:

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

##### Reflector:

Specular polycarbonate

##### Gaskets:

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

## Technical Specifications (continued)

### Construction

#### Gaskets:

High-temperature silicone gaskets seal out moisture

#### Anchor Bolt:

Anchor Bolt Dimension is available .

### Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

#### Green Technology:

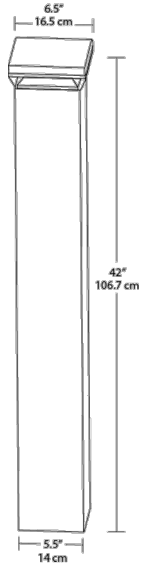
Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

### Optical

#### BUG Rating:

B1 U1 G1

## Dimensions



## Features

- Backup battery UL924 listed
- Patent-pending base mount design for super sturdy installation
- Durable construction and vandal-resistant polycarbonate lens
- 90 minutes illumination time during power interruption
- 3 configurations to provide 360°, 270° or 180° lighting pattern
- Precision-engineered optics deliver maximum downward lighting without glare
- Four leveling screws provided for easy installation
- 100,000-hour LED lifespan