# BLED18W/D10



LED bollard with architectural quality and strength at an affordable price point. Square post and head. Available in 12, 18 and 24 Watt versions that provide 90, 180, 270 and 360 degree lighting patterns.

Color: White

Weight: 21.8 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

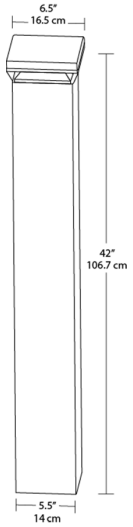
**Driver:**
Constant Current, Class 2, 100-277V, 50/60 Hz, 4kV Surge Protection, 700mA, 120V: 0.24A, 208V: 0.18A, 240V: 0.15A, 277V: 0.12A

**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 |
|---|---|---|---|---|---|---|---|---|
| BLED | 18 | | W | – | | | /D10 | |
| | **18 =** 18W<br>**24 =** 24W<br>**12 =** 12W | **Blank =** 5000K Cool<br>**N =** 4000K Neutral<br>**Y =** 3000K Warm | **Blank =** Bronze<br>**W =** White<br>**K =** Black | | **Blank =** Standard<br>**180 =** 180 degrees (12W only) | **Blank =** No Option (120-277V)<br>**/480 =** 480V (24W only) | **Blank =** None (Standard)<br>**/D10 =** 0-10V Dimming | **Blank =** No Battery Backup<br>**/E =** Battery Backup (24W only)<br>**/EC =** Battery Backup Cold Weather (24W only) |


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