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## RAB Lighting B17

# RAB Lighting B17 LED Bollard Light Instruction Manual

Model: B17

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of the RAB Lighting B17 LED Bollard Light. This outdoor luminaire features field-adjustable wattage and selectable color temperature (CCT), designed for various outdoor applications.

Key features include:

- Energy-efficient LED with a 50,000-hour lifespan.
- Adjustable wattage: 24W, 19W, or 14W.
- Selectable CCT: 3000K (Warm White), 4000K (Neutral White), or 5000K (Cool White).
- 0-10V dimming capability.
- UL Listed for wet locations.
- Durable metal construction with a glass shade.



Figure 1: RAB Lighting B17 LED Bollard Light (Model B17D shown).

## 2. SAFETY INFORMATION

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**WARNING:** Risk of electric shock. Disconnect power before installation or servicing. Installation should be performed by a qualified electrician in accordance with all applicable national and local electrical codes.

- Ensure the supply voltage is correct for the fixture.
- Do not handle live components.
- Wear appropriate personal protective equipment (PPE).
- This fixture is suitable for wet locations. Ensure all connections are properly sealed to prevent water ingress.
- Do not modify the fixture. Any modifications may void the warranty and create safety hazards.

### 3. PACKAGE CONTENTS

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Verify that all components are present before beginning installation:

- B17 LED Bollard Light Fixture
- On-Off Switch (Included Components)
- Installation Hardware (e.g., mounting bolts, gaskets) -(Assumed, not explicitly listed but typical for such products)
- Instruction Manual (this document)

### 4. SETUP AND INSTALLATION

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Follow these steps for proper installation of the B17 LED Bollard Light:

1. **Prepare the Installation Site:** Ensure the mounting surface is stable and level. Run electrical conduit and wiring to the desired location according to local codes.
2. **Disconnect Power:** Turn off power at the circuit breaker before starting any electrical work.
3. **Mount the Bollard:** Secure the bollard base to the mounting surface using appropriate hardware. Ensure a watertight seal if required by local codes.
4. **Make Electrical Connections:** Connect the fixture's wires to the supply wires. Follow standard wiring practices:
  - Black to Line (L)
  - White to Neutral (N)
  - Green/Ground to Ground (G)
  - Purple to Dimming (+) (for 0-10V dimming)
  - Gray to Dimming (-) (for 0-10V dimming)
- Ensure all connections are secure and insulated.
5. **Select Wattage and CCT:** Before closing the fixture, adjust the wattage and CCT switches located inside the fixture head. Refer to Section 5 for details.
6. **Secure the Fixture Head:** Attach the fixture head to the bollard body, ensuring all seals are properly seated to maintain the wet location rating.
7. **Restore Power:** Turn on power at the circuit breaker and test the light.



Figure 2: The B17 Bollard Light is UL Listed and rated for wet locations, ensuring durability in outdoor environments.

### 5. OPERATING INSTRUCTIONS

## 5.1. Field-Adjustable Wattage

The B17 bollard light allows you to select the desired wattage output to optimize brightness and energy consumption. A switch located inside the fixture head enables selection between 24W, 19W, and 14W.

- **24W:** Maximum brightness.
- **19W:** Medium brightness, reduced energy use.
- **14W:** Lower brightness, maximum energy savings.

**To adjust:** Disconnect power. Open the fixture head. Locate the wattage selection switch and move it to the desired setting. Close the fixture head and restore power.

## 5.2. Selectable Color Temperature (CCT)

The fixture offers three color temperature options to suit different aesthetic preferences and applications. A separate switch inside the fixture head allows selection between 3000K, 4000K, and 5000K.

- **3000K:** Warm White, ideal for creating a cozy and inviting atmosphere.
- **4000K:** Neutral White, suitable for general illumination and task lighting.
- **5000K:** Cool White, provides bright, crisp light, often used for security or modern aesthetics.

**To adjust:** Disconnect power. Open the fixture head. Locate the CCT selection switch and move it to the desired setting. Close the fixture head and restore power.

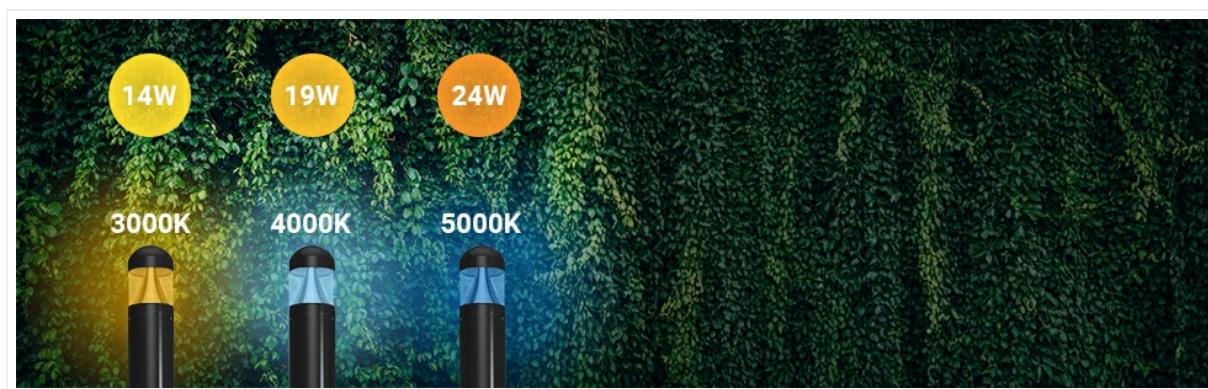


Figure 3: Visual representation of adjustable wattage and selectable CCT settings.

## 5.3. 0-10V Dimming

The B17 bollard light is compatible with 0-10V dimming systems. Connect the purple and gray dimming wires to a compatible 0-10V dimmer control. This allows for smooth adjustment of light output from 100% down to 10% (or lower, depending on dimmer specifications).

Ensure the dimmer is rated for LED loads and is compatible with 0-10V dimming protocols.

## 6. MAINTENANCE

The B17 LED Bollard Light is designed for minimal maintenance due to its long LED lifespan of 50,000 hours.

- **Cleaning:** Periodically clean the exterior of the fixture with a soft, damp cloth to remove dirt and debris. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Inspection:** Annually inspect the fixture for any signs of damage, loose connections, or wear. Ensure all seals remain intact to maintain weather resistance.

- **LED Replacement:** LEDs are integrated and not user-replaceable. The long lifespan minimizes the need for replacement.

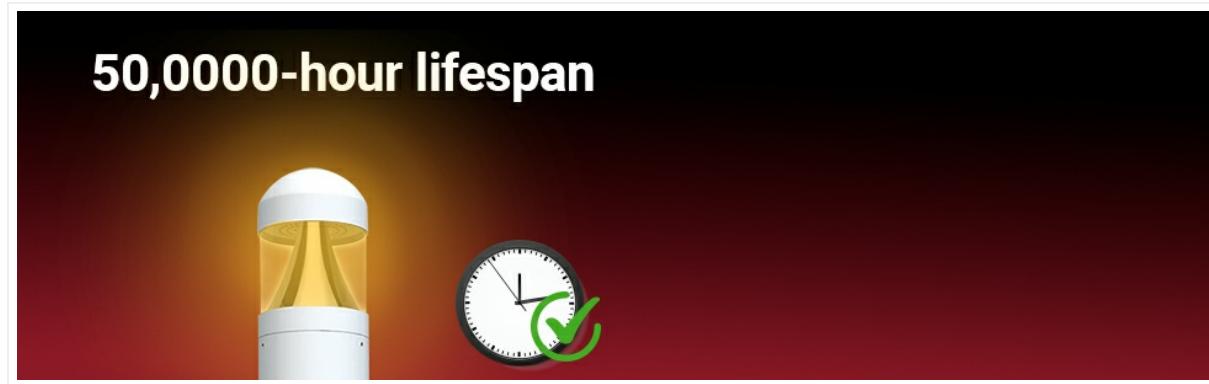


Figure 4: The B17 LED Bollard Light offers a long 50,000-hour operational lifespan.

## 7. TROUBLESHOOTING

| Problem                              | Possible Cause                                                                  | Solution                                                                                                                                                        |
|--------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Light does not turn on.              | No power supply.<br>Loose wiring connection.<br>Incorrect wattage/CCT setting.  | Check circuit breaker. Ensure power is on.<br>Verify all wire connections are secure (power off first).<br>Confirm wattage/CCT switches are set correctly.      |
| Light flickers or dims unexpectedly. | Incompatible dimmer.<br>Loose dimming wire connection.<br>Voltage fluctuations. | Ensure 0-10V dimmer is compatible with LED loads.<br>Check purple and gray dimming wire connections.<br>Consult an electrician to check power supply stability. |
| Light output is too low/high.        | Incorrect wattage setting.                                                      | Adjust the wattage selection switch inside the fixture head (power off first).                                                                                  |
| Light color is not desired.          | Incorrect CCT setting.                                                          | Adjust the CCT selection switch inside the fixture head (power off first).                                                                                      |

## 8. SPECIFICATIONS

| Feature                 | Detail                            |
|-------------------------|-----------------------------------|
| Model Name              | B17                               |
| Brand                   | RAB Lighting                      |
| Wattage                 | Field-Adjustable: 24W / 19W / 14W |
| Color Temperature (CCT) | Selectable: 3000K / 4000K / 5000K |
| Dimming                 | 0-10V Dimmable                    |
| Lifespan                | 50,000 hours                      |

| Feature              | Detail                      |
|----------------------|-----------------------------|
| Material             | Metal body, Glass shade     |
| Environmental Rating | UL Listed for Wet Locations |
| Included Components  | On-Off Switch               |
| UPC                  | 192552028424                |
| ASIN                 | B0DY2FPPNS                  |

## 9. WARRANTY AND SUPPORT

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For warranty information and technical support, please contact RAB Lighting directly. Refer to the official RAB Lighting website or your purchase documentation for specific warranty terms and contact details.

**RAB Lighting Contact:** [www.rablighting.com](http://www.rablighting.com)