

Onforu BDB100-3

Onforu 100W Flood Light Instruction Manual

Model: BDB100-3

Brand: Onforu

1. PRODUCT OVERVIEW

The Onforu 100W Flood Light is a high-brightness LED exterior floodlight designed for outdoor security and illumination. Featuring three adjustable heads, it provides wide-angle lighting for various outdoor environments such as yards, garages, and eaves. This light is built with durable materials and an IP65 waterproof rating, ensuring reliable performance in diverse weather conditions.



Figure 1: Onforu 100W Flood Light, showing the main light and two side lights.

2. KEY FEATURES

- **100W Brightness & Energy Saving:** Equipped with 154 ultra-bright LEDs, producing up to 9000

lumens. This is equivalent to 400W traditional bulbs, offering over 85% electricity savings.

- **3 Flexible Heads:** Features three independently adjustable light heads, allowing for a wide lighting angle of up to 270°.
- **Efficient Cooling & Long Lifespan:** Constructed with a die-cast aluminum housing for effective heat dissipation, extending the product's lifespan. The matte lens design provides soft, anti-glare illumination.
- **IP65 Waterproof:** Designed to withstand harsh weather conditions like rain, sleet, and snow, making it suitable for various outdoor applications.
- **Easy Installation:** Simple wiring steps for wall mounting (junction box not included). Operates via a standard light switch.



Figure 2: High brightness and wide coverage area of the flood light.



Highly Flexible Adjustable Light Head

Easily adjust light head to light up the intentional area

Figure 3: The highly flexible and adjustable light heads allow for precise illumination.

3. SETUP AND INSTALLATION

Before beginning installation, ensure the power supply is turned off at the circuit breaker to prevent electrical shock. This floodlight is designed for wall mounting and requires a junction box (not included).

Installation Steps:

1. **Prepare Mounting Surface:** Choose a suitable wall location for mounting. Ensure the surface is stable and can support the weight of the fixture.
2. **Install Mounting Plate:** Secure the mounting plate to the junction box (not included) on the wall using appropriate screws.
3. **Wire Connections:** Connect the electrical wires from the floodlight to your household wiring. Follow standard electrical codes:
 - Connect the Live Wire (usually black or red) from the fixture to the Live Wire from the power supply.
 - Connect the Neutral Wire (usually white or blue) from the fixture to the Neutral Wire from the power supply.

- Connect the Ground Wire (usually green or bare copper) from the fixture to the Ground Wire from the power supply.

Ensure all connections are secure and insulated.

4. **Attach Fixture:** Carefully attach the floodlight fixture to the mounting plate, ensuring it is securely fastened.
5. **Adjust Light Heads:** Once installed, adjust the three light heads to your desired lighting angles. Each head can be rotated to provide optimal coverage.



Figure 4: Wiring diagram for installation. Note: Junction Box is not included.



Figure 5: The three light heads offer extensive adjustability for wide area coverage.

4. OPERATION

The Onforu 100W Flood Light is designed for simple operation via a standard wall switch. It does not include a motion sensor, solar charging, or dusk-to-dawn functionality, providing direct control over its illumination.

Turning On/Off:

- To turn the light ON, activate the connected wall switch.
- To turn the light OFF, deactivate the connected wall switch.

Adjusting Light Direction:

The three light heads can be manually adjusted to direct light precisely where needed. Gently pivot each head to achieve the desired lighting angle and coverage.

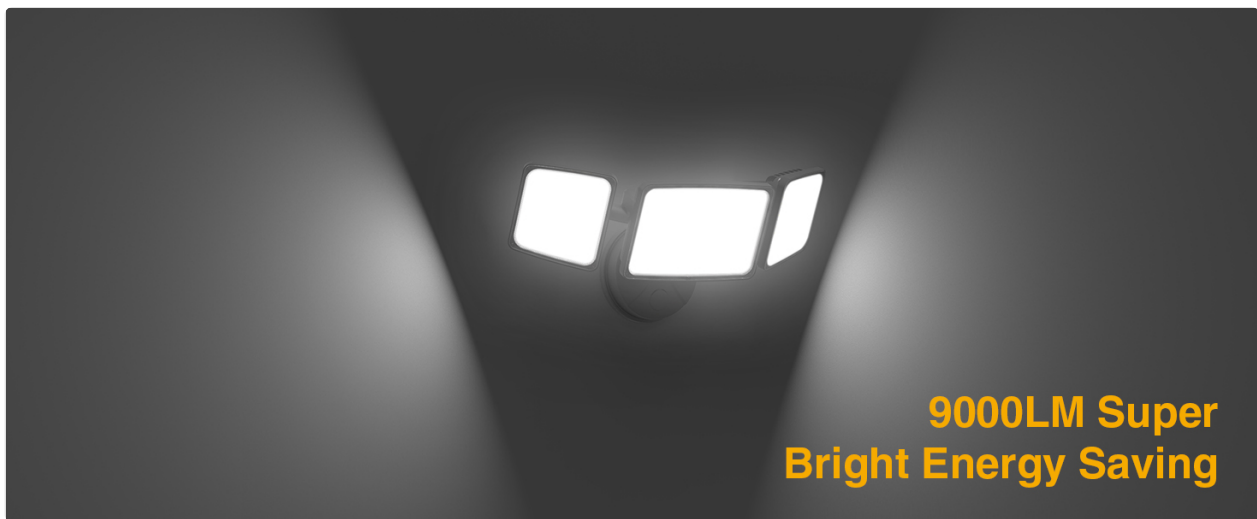


Figure 6: The flood light is controlled by a standard wall switch.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your Onforu Flood Light.

- **Cleaning:** Periodically clean the light fixture with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the finish or lens.
- **Inspection:** Annually inspect the wiring and mounting for any signs of wear, damage, or loosening. Ensure all connections remain secure.
- **Weather Resistance:** The IP65 waterproof rating protects against dust and water jets. While designed for outdoor use, avoid submerging the fixture in water.
- **Heat Dissipation:** Ensure the cooling fins on the back of the fixture are free from debris to allow for efficient heat dissipation, which is crucial for the LED's lifespan.



IP65 WATERPROOF



Figure 7: The IP65 waterproof design ensures durability in various weather conditions.

6. TROUBLESHOOTING

If you encounter issues with your Onforu Flood Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; loose wiring; faulty switch.	Check circuit breaker. Ensure all wiring connections are secure. Test the wall switch.
Light flickers or is dim.	Unstable power supply; loose wiring.	Verify stable power. Re-check wiring connections.
Water inside the lens.	Improper sealing during manufacturing or installation; extreme weather conditions.	While the product is IP65 rated, inspect for any visible damage or gaps in sealing. If water ingress occurs, contact customer support.

Problem	Possible Cause	Solution
Difficulty with mounting.	Incorrect screw length or type for mounting surface/junction box.	Ensure appropriate screws are used for your specific junction box and mounting surface. Consult a qualified electrician if unsure.

If the problem persists after attempting these solutions, please contact Onforu Customer Support.

7. SPECIFICATIONS

Attribute	Detail
Brand	Onforu
Model Name	BDB100-3
Color	Black
Material	Aluminum
Light Fixture Form	Floodlight
Product Dimensions	7"L x 4"W x 17"H
Indoor/Outdoor Usage	Outdoor (also listed as Indoor, but primarily for outdoor use)
Power Source	Corded Electric
Light Source Type	LED
Number of Light Sources	196
Voltage	110 Volts
Light Color	6500K Daylight White
Item Weight	2.6 Pounds
Wattage	100 watts
Water Resistance Level	IP65 Waterproof
Brightness	9000 Lumen
Mounting Type	Wall Mount (Eave Mount)
UPC	783919526440

8. WARRANTY AND SUPPORT

This Onforu Flood Light comes with a Manufacturer Warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official Onforu website.

For technical support, troubleshooting assistance, or warranty claims, please contact Onforu Customer Service. Keep your purchase receipt and product model number (BDB100-3) ready when contacting support.

You can visit the Onforu Store for more information: [Onforu Official Store](#)

