

## Onforu BDB100D-3

# Onforu 100W Dusk to Dawn Outdoor LED Flood Light Instruction Manual

Model: BDB100D-3

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Onforu 100W Dusk to Dawn Outdoor LED Flood Light. Please read this manual thoroughly before installation and use, and retain it for future reference. This flood light is designed for outdoor use, featuring a photocell sensor for automatic operation and adjustable heads for broad illumination.



Image 1.1: Onforu 100W Dusk to Dawn Outdoor LED Flood Light installed on a house, providing bright illumination.

## 2. SAFETY INFORMATION

**WARNING: Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing.**

- Ensure the power supply is turned off before installation or maintenance.
- Installation should be performed by a qualified electrician in accordance with local electrical codes.

- Do not install on surfaces that are not structurally sound.
- Do not look directly into the LED light source when it is illuminated.
- Keep flammable materials away from the light fixture.
- This product is not intended for use with motion sensors.
- This product is not solar powered.

### 3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Onforu 100W Dusk to Dawn Outdoor LED Flood Light
- 1 x Mounting Bracket
- 1 x Rubber Gasket
- 1 x Black Cap for Photocell (for switch-controlled mode)
- Mounting Screws and Wire Nuts
- Instruction Manual

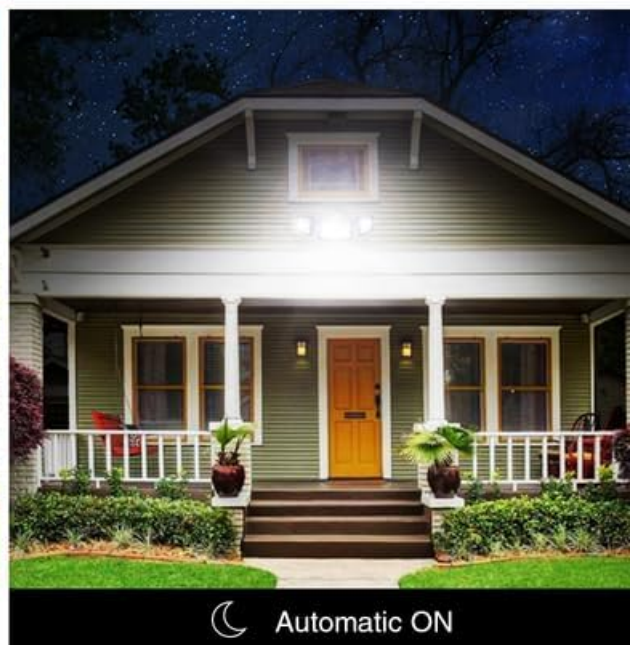
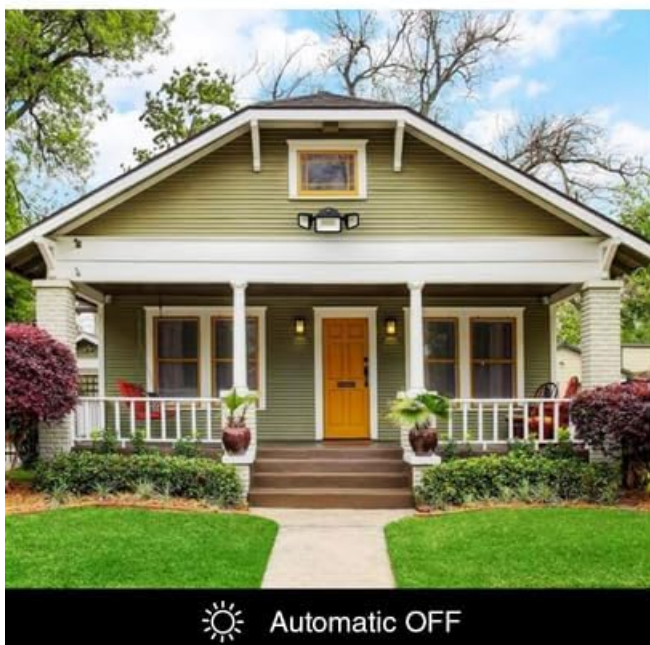
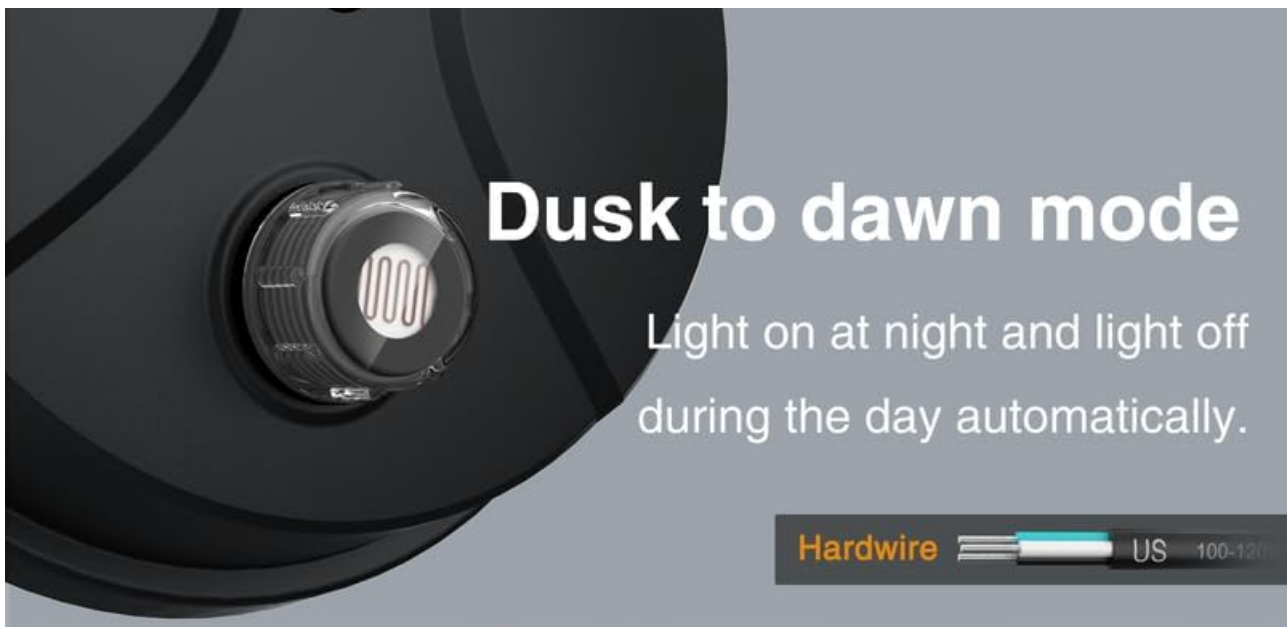


Image 3.1: The flood light fixture and included installation hardware.

## 4. PRODUCT FEATURES

- **High Luminosity:** 100W LED flood light producing up to 9000 lumens with 154 LEDs.
- **Adjustable Heads:** Three lamp heads can be adjusted independently to customize lighting angles and provide a wide light range (up to 120° beam angle).
- **Dusk to Dawn Sensor:** Integrated photocell sensor automatically turns the light on at night (10-20 Lux) and off during the day (30-60 Lux).
- **Switch-Controlled Mode:** Option to cover the photocell sensor with the included black cap to enable manual control via a wall switch.
- **IP65 Waterproof:** Ensures reliable operation in various weather conditions, including rain, sleet, and snow.
- **Efficient Cooling:** Constructed with high-quality aluminum housing and a fin-type heat sink design for effective heat dissipation, prolonging LED lifespan.
- **Energy Saving:** Advanced high-efficiency LEDs reduce electricity consumption by over 80%.



Image 4.1: The three adjustable lamp heads and the light perception sensor.

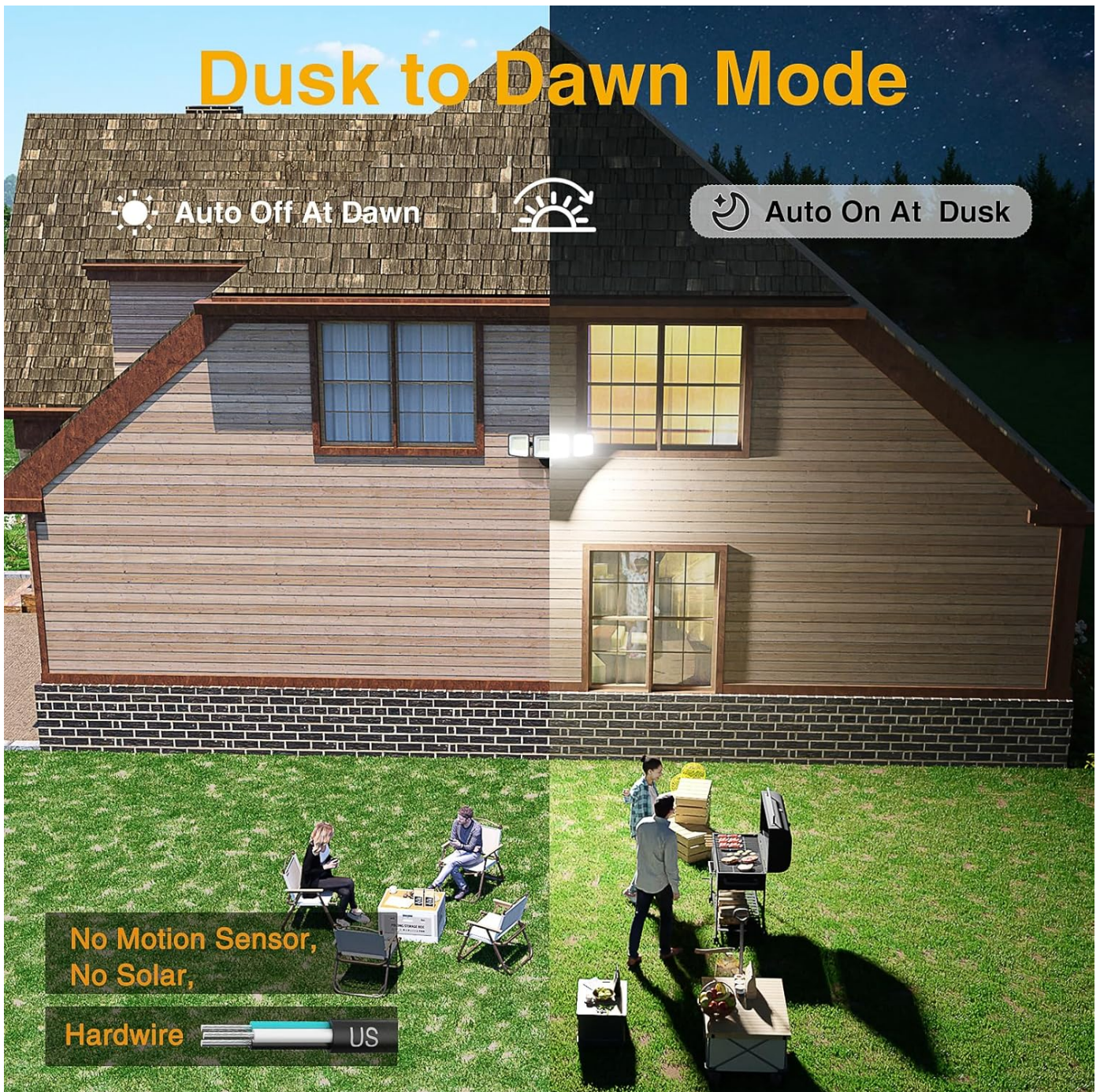


Image 4.2: The light demonstrating its IP65 waterproof capability during rainfall.

## 5. SETUP AND INSTALLATION

This product requires hardwired installation. Ensure power is disconnected before proceeding.

1. **Prepare Wiring:** Ensure the electrical box is properly installed and the power is off at the circuit breaker.
2. **Mounting Bracket:** Attach the mounting bracket to the electrical box using the provided screws. Ensure the rubber gasket is placed between the bracket and the mounting surface for a watertight seal.
3. **Wiring Connections:** Connect the light fixture's wires to your household wiring:
  - Black wire (Live) to the Live wire.
  - White wire (Neutral) to the Neutral wire.
  - Green wire (Ground) to the Ground wire.

Secure connections with wire nuts.

4. **Attach Fixture:** Align the light fixture with the mounting bracket and secure it with the central screw. Ensure the fixture is flush against the mounting surface.

5. **Adjust Heads:** Loosen the screws on the adjustable heads to position them to your desired lighting angles. Tighten the screws to secure the heads.
6. **Restore Power:** Turn on the power at the circuit breaker.

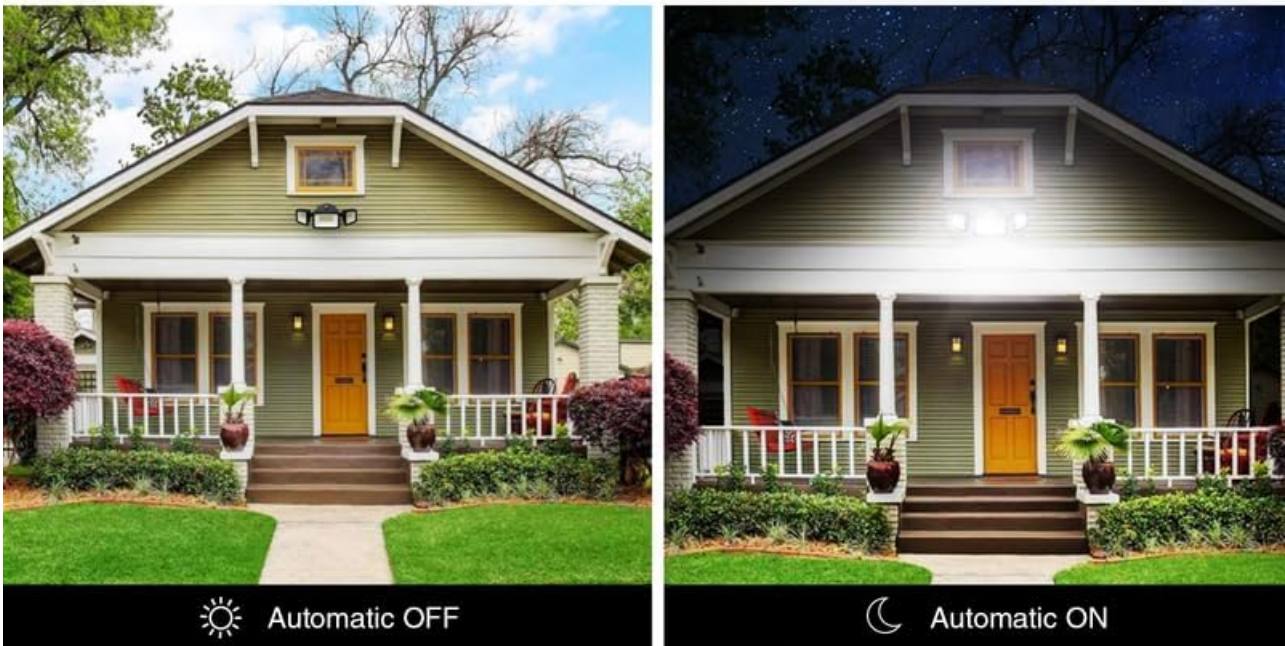
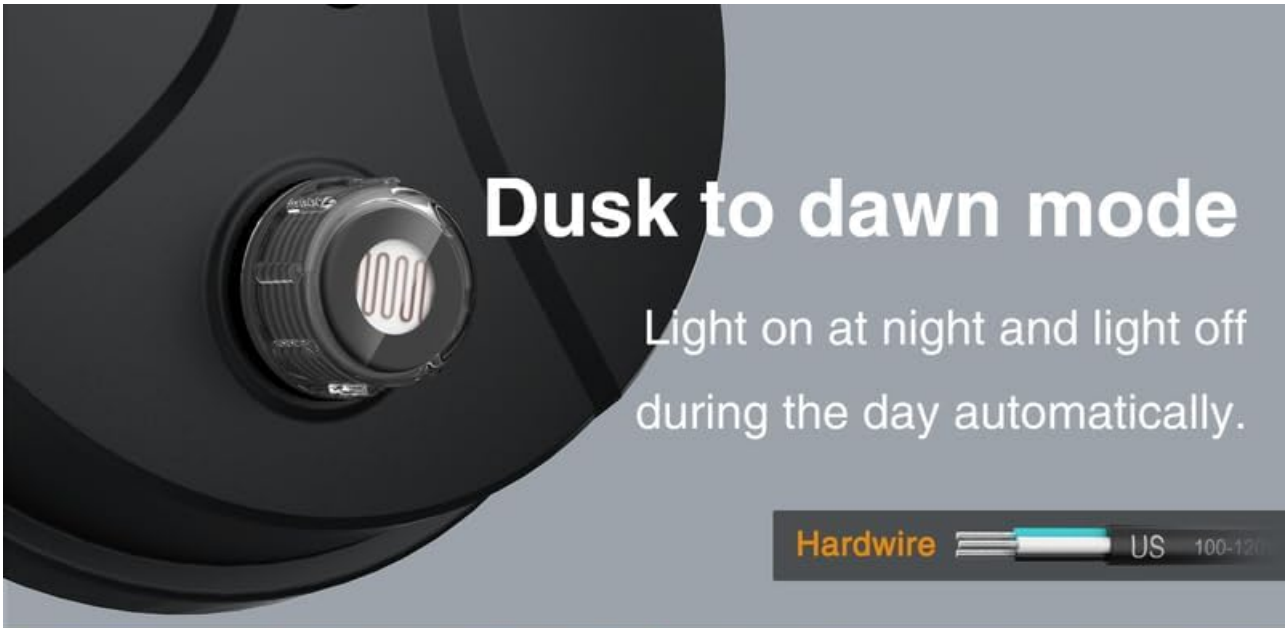


Image 5.1: Wiring diagram for installation.



Image 5.2: Visual guide for the installation process.

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Video 5.1: Official product video demonstrating the installation process and key features of the Onforu 100W Dusk to Dawn LED Flood Light.

## 6. OPERATING INSTRUCTIONS

The Onforu 100W Dusk to Dawn Outdoor LED Flood Light offers two operating modes:

### 6.1. Dusk to Dawn Mode (Default)

In this mode, the integrated photocell sensor detects ambient light levels. The light will automatically turn on when the ambient light drops to 10-20 Lux (at dusk) and turn off when the ambient light increases to 30-60 Lux (at dawn).

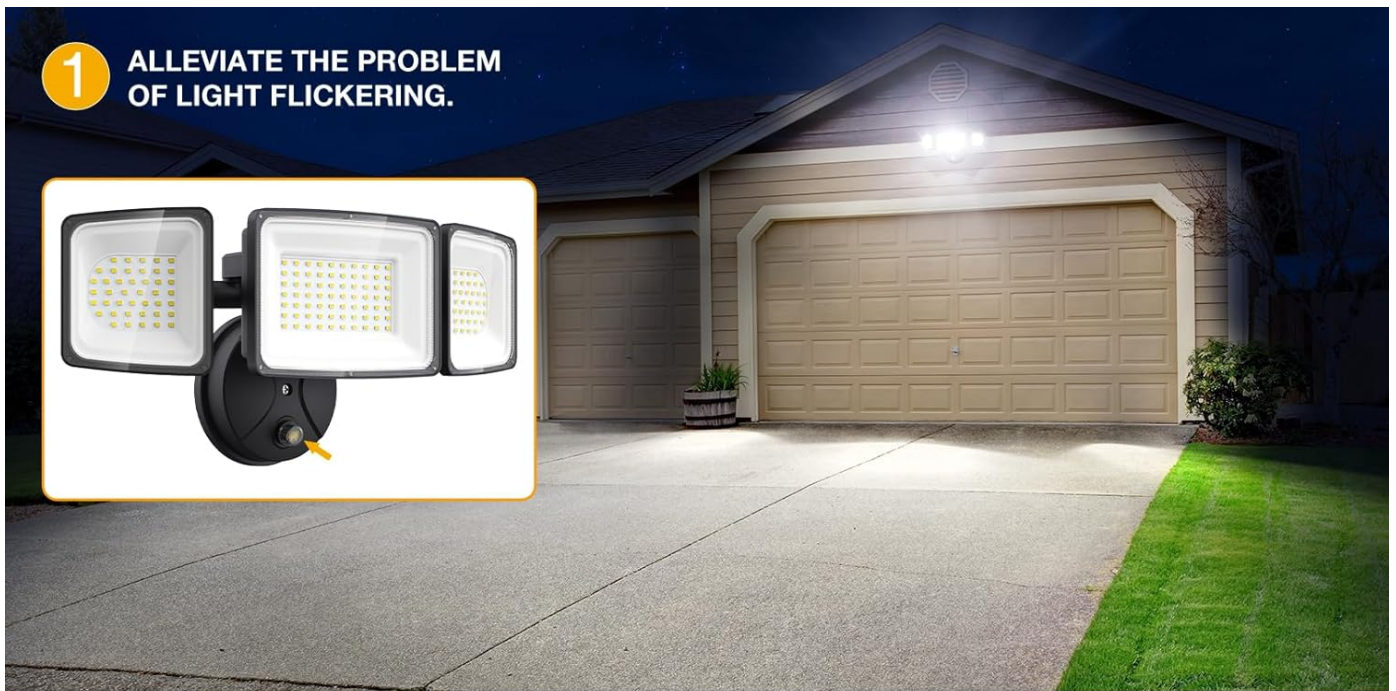


Image 6.1: The light operating in automatic dusk to dawn mode.

## 6.2. Switch-Controlled Mode

To operate the light manually via a wall switch, cover the photocell sensor with the provided black cap. This will prevent the sensor from detecting ambient light, allowing the light to be controlled solely by the external switch.

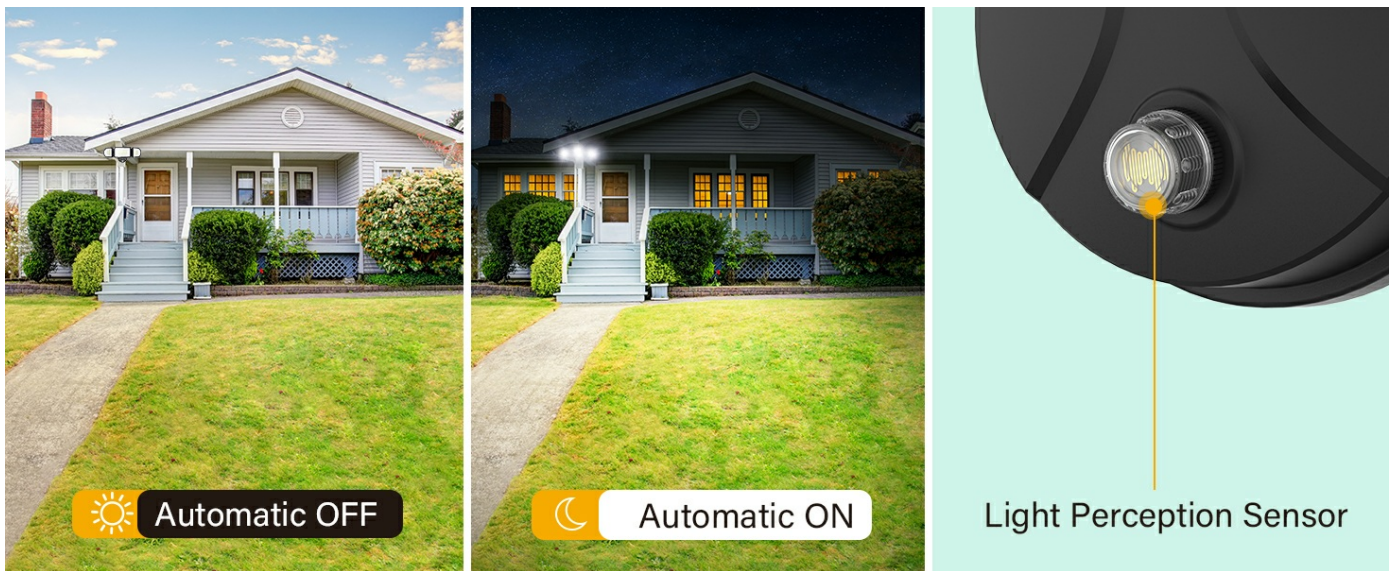


Image 6.2: Using the black cap to enable switch-controlled mode.

## 7. MAINTENANCE

- **Cleaning:** Periodically clean the light fixture and photocell sensor with a soft, damp cloth to ensure optimal performance. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the wiring and mounting for any signs of damage or loosening.
- **LED Replacement:** The LEDs are integrated and not user-replaceable.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	<ol style="list-style-type: none"> <li>1. Power is off.</li> <li>2. Photocell sensor is obstructed or faulty.</li> <li>3. Wiring issue.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check circuit breaker and wall switch.</li> <li>2. Ensure photocell is clean and unobstructed. Remove black cap if installed.</li> <li>3. Verify wiring connections (consult a qualified electrician).</li> </ol>
Light stays on during the day.	<ol style="list-style-type: none"> <li>1. Photocell sensor is covered or in a dark location.</li> <li>2. Light from another source is hitting the sensor.</li> <li>3. Photocell sensor is faulty.</li> </ol>	<ol style="list-style-type: none"> <li>1. Ensure photocell is exposed to sufficient daylight. Remove black cap if installed.</li> <li>2. Relocate the light or shield the sensor from other light sources.</li> <li>3. Contact customer support.</li> </ol>
Light flickers.	<ol style="list-style-type: none"> <li>1. Insufficient light reaching the photocell (borderline lux level).</li> <li>2. Loose wiring connection.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use the included black cap to cover the photocell for switch-controlled mode, or ensure the photocell is in a location with clear light/dark distinction.</li> <li>2. Check and secure all wiring connections.</li> </ol>

## 9. SPECIFICATIONS

Feature	Detail
Brand	Onforu
Model Number	BDB100D-3
Wattage	100 Watts
Brightness	9000 Lumens

Feature	Detail
Color Temperature	6500 Kelvin (Daylight White)
Light Source	LED
Number of Light Sources	3 (Adjustable Heads)
IP Rating	IP65 (Waterproof)
Power Source	Corded Electric (110 Volts)
Control Method	Photocell (Dusk to Dawn) or Wall Switch (with cap)
Material	Aluminum
Item Dimensions (L x W x H)	11"L x 7"W x 4"H
Mounting Type	Wall Mount / Eave Mount

## 10. WARRANTY AND SUPPORT

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This product is sold with no stated warranty. For any questions or technical assistance, please refer to the retailer's customer service or the manufacturer's official website for support options.

