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Onforu BDBS70G-5

Onforu 5-Head 70W Motion Sensor Outdoor Flood Light User Manual

Model: BDBS70G-5

1. PRODUCT OVERVIEW

The Onforu 5-Head 70W Motion Sensor Outdoor Flood Light (Model BDBS70G-5) is a hardwired LED security light designed for outdoor use. It features five adjustable light heads, a built-in motion sensor, and provides 7000 lumens of daylight white illumination. The robust IP65 waterproof design ensures durability in various weather conditions, making it suitable for driveways, garages, gardens, and other outdoor areas.

2. SAFETY INFORMATION

- **Electrical Safety:** Installation must be performed by a qualified electrician or a person with sufficient electrical knowledge. Ensure power is turned off at the circuit breaker before installation, wiring, or maintenance.
- **Grounding:** This fixture must be properly grounded to prevent potential electrical shock.
- **Voltage:** Ensure the power supply voltage matches the fixture's requirements (120 Volts).
- **Outdoor Use:** Designed for outdoor use. Ensure all connections are sealed and waterproofed according to local electrical codes.
- **Heat:** LED lights can generate heat. Do not touch the light heads immediately after operation.
- **Eye Protection:** Avoid looking directly into the LED light source when illuminated, as it can cause eye strain or damage.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Onforu 5-Head Motion Sensor Flood Light (x1)
- Mounting Bracket (x1)
- Mounting Screws and Wall Anchors
- Wire Nuts (x3)
- User Manual (x1)
- LED Lens (Included as part of the fixture)

4. SETUP AND INSTALLATION

This flood light is designed for hardwired installation. Follow these steps carefully:

1. **Turn Off Power:** Before starting, ensure the power to the installation area is turned off at the main circuit breaker.
2. **Prepare Wiring:** Identify the Live (Black), Neutral (White), and Ground (Green/Bare Copper) wires from your electrical box.
3. **Mounting Bracket:** Secure the mounting bracket to the desired surface (wall, soffit, or pillar) using the provided screws and anchors. Ensure it is firmly attached.
4. **Wire Connections:** Connect the fixture's wires to your household wiring using the provided wire nuts:
 - Black (Fixture) to Black (Household - Live)
 - White (Fixture) to White (Household - Neutral)
 - Green (Fixture) to Green/Bare Copper (Household - Ground)
5. **Secure Fixture:** Carefully tuck the wires into the junction box and attach the light fixture to the mounting bracket. Ensure a tight seal to prevent water ingress.
6. **Adjust Light Heads:** Once mounted, adjust the five individual light heads to cover the desired area. Each head can be rotated to direct light as needed.
7. **Restore Power:** Turn the power back on at the circuit breaker.

Recommended Installation Height: 6.5 - 13.1 feet (2 - 4 meters) above the ground for optimal motion detection and lighting coverage.

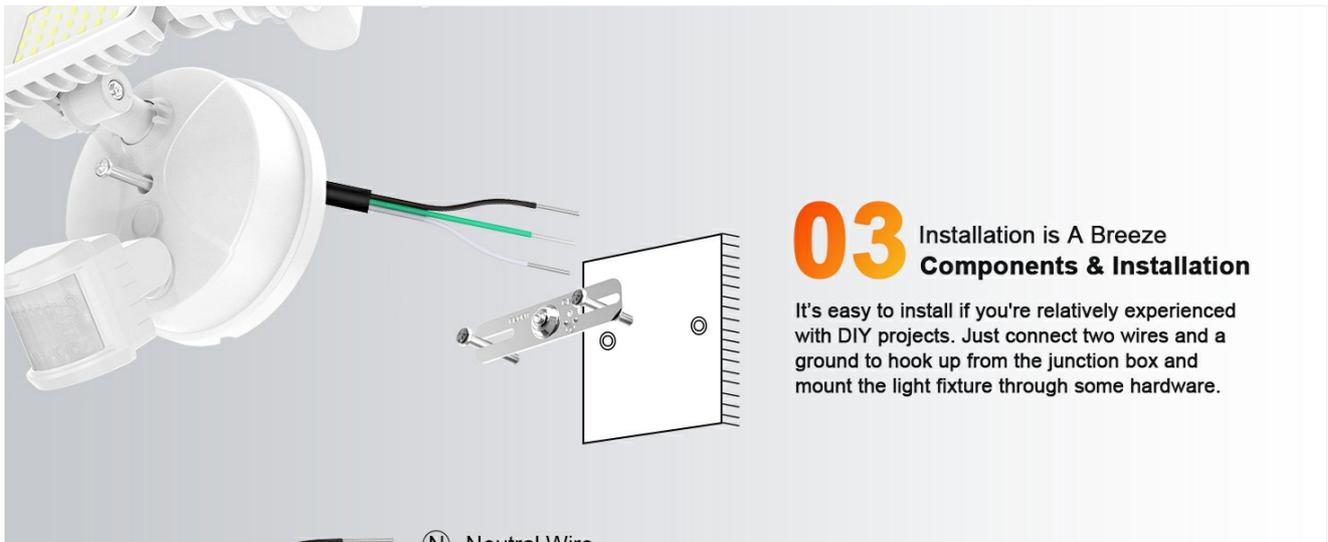


Figure 4.1: Hardwired Installation Diagram. This image illustrates the wiring connections (Live, Neutral, Ground) and how the fixture attaches to the mounting bracket on a wall.

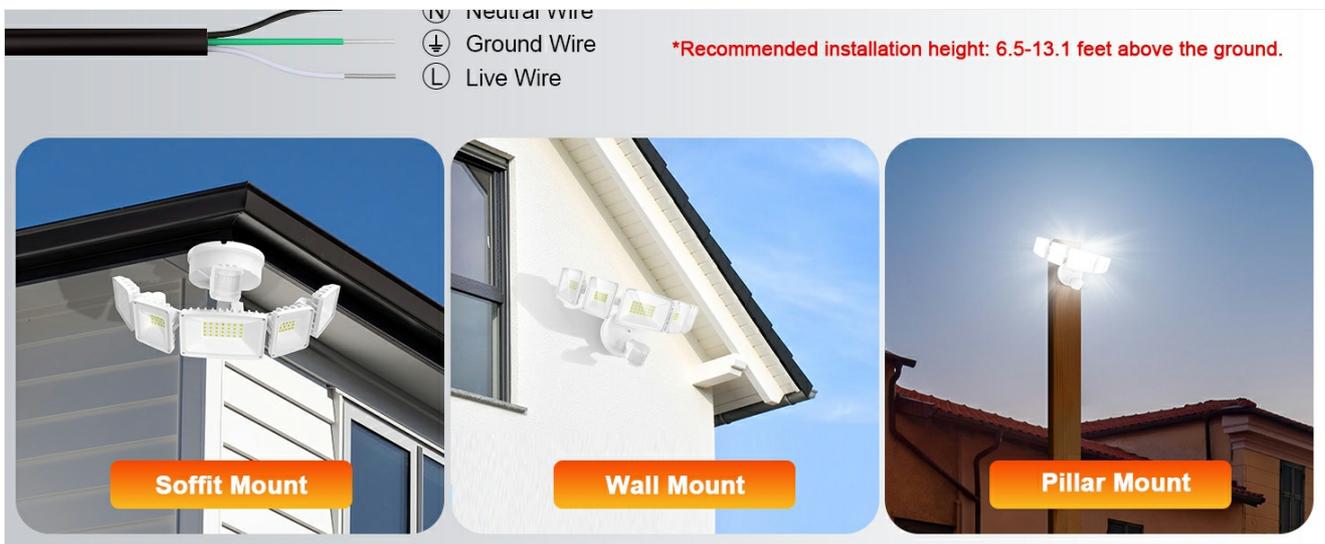


Figure 4.2: Various Mounting Options. The image displays the flood light installed in three common configurations: under a soffit, on a wall, and on a pillar, demonstrating its versatility.

5. OPERATING INSTRUCTIONS

The Onforu flood light is designed for automatic operation based on motion detection and ambient light levels.

- **Motion Activation:** The built-in PIR motion sensor detects movement within its sensing range. When motion is detected, the light will automatically turn on for the set duration.
- **Adjustable Light Heads:** The five light heads can be independently adjusted to direct light precisely where needed, providing broad and customizable illumination.

5 Heads Wide Range Lighting

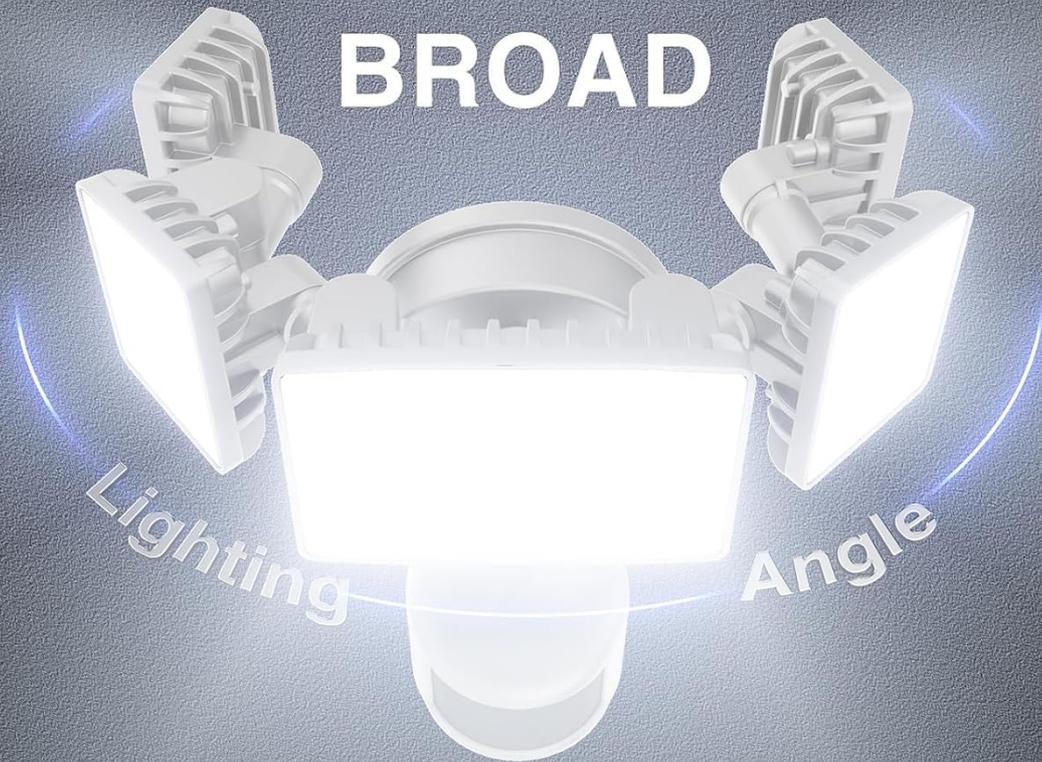


Figure 5.1: Wide Area Illumination. This image demonstrates the extensive coverage area (up to 1230 sq.ft.) provided by the adjustable 5-head design, illuminating a large backyard at night.

WIDER ANGLE AND AREA

Scientific lighting, energy saving



Figure 5.2: Motion Activated Lighting. The image illustrates the motion sensor's functionality, showing a person triggering the light within its 180-degree sensing angle and up to 72.17ft detection distance.

6. MOTION SENSOR SETTINGS

The motion sensor features adjustable controls for customization:

- **Detection Range:** Adjustable from approximately 19 feet to 72 feet (6 meters to 22 meters).
- **Working Modes:**
 - **"+" Mode:** Light will be triggered both day and night when motion is detected.
 - **"-" Mode:** Light will only be triggered at night when motion is detected.
- **Timer:** Adjustable duration for how long the light stays on after motion detection, typically from 1 to 10 minutes.



Figure 6.1: Motion Sensor Controls. This image shows the three adjustment knobs on the motion sensor for setting detection range, operating mode (day/night), and illumination duration (timer).



Figure 6.2: Flexible Light Panels and Adjustable Motion Sensor. This image highlights the design features, including the ability to adjust the angle of the five light panels and the motion sensor for optimal coverage.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your flood light.

- **Cleaning:** Periodically clean the light heads and motion sensor lens with a soft, damp cloth to remove dirt, dust, or debris that may obstruct light output or sensor function. Do not use abrasive cleaners.
- **Inspection:** Annually inspect the wiring and mounting for any signs of wear, damage, or loosening. Ensure all seals remain intact to maintain IP65 waterproof rating.
- **No User-Serviceable Parts:** The LED components are integrated and not user-replaceable. Do not attempt to disassemble the light heads.



Figure 7.1: IP65 Waterproof Design. This image visually confirms the light's resistance to water, snow, heat, and dust, highlighting its suitability for outdoor environments.

8. TROUBLESHOOTING

If you encounter issues with your Onforu flood light, refer to the following common troubleshooting steps:

- **Light Does Not Turn On:**

- Check if the power supply is active at the circuit breaker.
 - Verify all wiring connections are secure and correct.
 - Ensure the motion sensor is set to the correct working mode (e.g., "+" for day/night, "-" for night only).
 - Adjust the ambient light sensor sensitivity if the light is not activating in low light conditions.
- **Light Stays On Continuously:**
 - Check if the motion sensor is detecting constant movement (e.g., tree branches, pets). Adjust the sensor angle or sensitivity.
 - Ensure the timer setting is not set to its maximum duration or a continuous mode if available.
- **Light Flashes or Cycles On/Off:**
 - This could indicate an unstable power supply or a faulty connection. Recheck wiring.
 - Ensure the motion sensor lens is clean and unobstructed.
- **Motion Sensor Not Detecting:**
 - Increase the detection range setting on the sensor.
 - Ensure the sensor is not obstructed and is facing the desired detection area.
 - Verify the installation height is within the recommended range for optimal detection.

If these steps do not resolve the issue, please contact Onforu customer support for further assistance.

9. SPECIFICATIONS

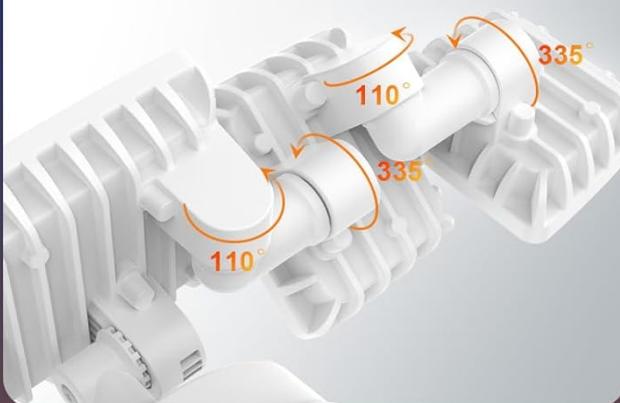
Feature	Specification
Brand	Onforu
Model Name	BDBS70G-5
Power Source	Corded Electric
Wattage	70 Watts
Brightness	7000 Lumens
Color Temperature	6500 Kelvin (Daylight White)
Material	Metal, Plastic
Water Resistance Level	IP65 Waterproof
Special Features	5 Heads Adjustable, Anti-Rust, Energy Efficient, Motion Sensor, Waterproof
Product Dimensions	16.4"L x 4.7"W x 5.7"H
Item Weight	4.51 pounds
Voltage	120 Volts
Mounting Type	Wall Mount, Soffit Mount, Pillar Mount

Considerate Details

High efficiency and energy-saving



Flexible light panels



Angle adjustable motion sensor



Figure 9.1: Product Dimensions. This image provides a detailed view of the flood light with its key measurements in both millimeters and inches.

10. WARRANTY AND SUPPORT

This Onforu product comes with a limited warranty. For specific warranty details, please refer to the documentation included with your purchase or visit the official Onforu website.

For technical support, troubleshooting assistance, or any questions regarding your product, please contact Onforu customer service. Contact information can typically be found on the product packaging or the official Onforu website.