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Onforu BDD100G-3

Onforu 100W LED Security Light with Motion Sensor (Model BDD100G-3)

Instruction Manual

1. INTRODUCTION

Thank you for choosing the Onforu 100W LED Security Light with Motion Sensor. This product is designed to provide bright, energy-efficient outdoor illumination with advanced motion detection capabilities. This manual contains important information regarding the installation, operation, and maintenance of your security light. Please read it thoroughly before installation and retain it for future reference.



Image 1.1: Front view of the Onforu 100W LED Security Light with Motion Sensor, featuring three adjustable light heads and a central motion sensor.

2. SAFETY INFORMATION

Please observe the following safety precautions during installation and operation:

- **Electrical Hazard:** Ensure power is disconnected at the circuit breaker before installation, maintenance, or removal.
- **Qualified Electrician:** Installation should be performed by a qualified electrician or a person with adequate electrical knowledge.
- **Grounding:** This fixture must be properly grounded to prevent electrical shock.
- **Mounting Surface:** Mount the fixture securely to a stable surface capable of supporting its weight.
- **Operating Voltage:** Ensure the supply voltage matches the fixture's requirements (120 Volts AC).
- **Heat:** LED lights can become hot during operation. Avoid touching the light heads directly when the fixture is on.
- **Eye Protection:** Do not stare 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 100W LED Security Light with Motion Sensor (BDD100G-3)
- Mounting Bracket
- Screws and Wall Anchors
- Wire Nuts
- Instruction Manual

4. SPECIFICATIONS

Feature	Specification
Model Number	BDD100G-3
Wattage	100W
Brightness	9000 Lumens
Color Temperature	6000K (Daylight White)
Voltage	120V AC
Motion Sensor Angle	180°
Motion Sensor Distance	16.4 ft - 32.8 ft (5m - 10m)
Time Setting	10 seconds - 7 minutes
Water Resistance Rating	IP65
Material	Die-cast Aluminum, Metal
Product Dimensions	10"L x 7"W x 6"H (approximate)
Recommended Mounting Height	10 ft - 16.4 ft (3m - 5m)



Image 4.1: Detailed dimensions and wiring connections for the Onforu 100W LED Security Light.

5. INSTALLATION

Follow these steps for proper installation:

1. Prepare for Installation:

- Turn off power at the circuit breaker before starting.
- Ensure the mounting location is suitable and can support the fixture. The ideal mounting height is between 10 feet and 16.4 feet (3m - 5m) from the ground.

2. Mount the Fixture:

- Attach the mounting bracket to the wall or junction box using the provided screws and anchors.
- Feed the electrical wires through the gasket and mounting plate.



Image 5.1: Exploded view of the mounting process, illustrating the attachment of the mounting plate and wire routing.

3. Wire Connections:

- Connect the fixture's wires to your household wiring using wire nuts:
- Black (Live) to Black (Live)
- White (Neutral) to White (Neutral)
- Green/Yellow (Ground) to Green/Yellow (Ground)
- Ensure all connections are secure.

4. Secure the Fixture:

- Align the fixture with the mounting bracket and secure it with the central screw.

5. Adjust Light Heads:

- The three light heads are adjustable, allowing for a 270-degree detection zone. Adjust them to cover your desired area.



Image 5.2: Illustration of the adjustable light heads, showing rotation angles for optimal coverage.

6. Restore Power:

- Once installation is complete and all connections are secure, restore power at the circuit breaker.

6. OPERATION AND MOTION SENSOR SETTINGS

The motion sensor allows for customizable detection and lighting duration.

SENSING FEATURES

Adjustable sensing distance and lighting time

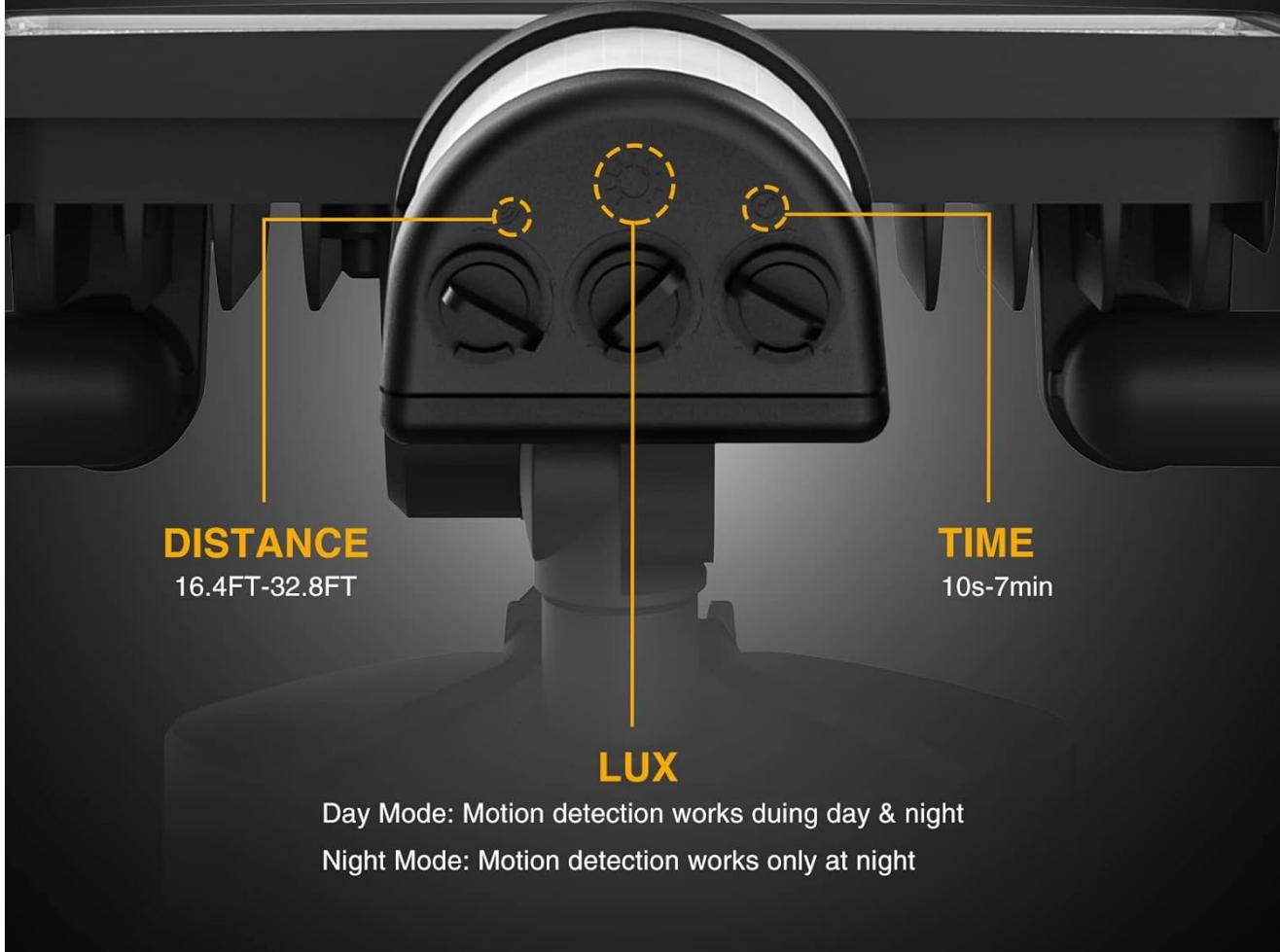


Image 6.1: Close-up of the motion sensor with adjustable dials for Distance, Time, and LUX settings.

Motion Sensor Dials:

- **DISTANCE (SENS):** Adjusts the motion detection range from 16.4 feet to 32.8 feet (5m - 10m). Turn the dial to increase or decrease sensitivity.
- **TIME:** Sets the duration the light remains on after motion is detected. Adjustable from 10 seconds to 7 minutes.
- **LUX (Light Sensitivity):** Determines the ambient light level at which the motion sensor becomes active.
 - **Day Mode (Sun icon):** Motion detection works both during the day and at night.
 - **Night Mode (Moon icon):** Motion detection works only at night or in low-light conditions.

VERSATILE MOTION DETECTION

Keep your life convenient and secure



Image 6.2: Visual representation of the motion sensor's 180-degree sensing angle and detection distance from a recommended mounting height.

7. MAINTENANCE

To ensure optimal performance and longevity of your Onforu LED Security Light:

- **Cleaning:** Periodically clean the light heads and motion sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the fixture for any signs of damage, loose connections, or wear.
- **Weather Resistance:** The IP65 waterproof rating ensures protection against rain and dust. However, avoid submerging the fixture in water.



**IP65
Waterproof**



Image 7.1: The Onforu security light shown enduring rain, snow, and sunlight, highlighting its IP65 waterproof and weather-resistant design.

8. TROUBLESHOOTING

If you encounter issues with your security light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose wiring, LUX setting too low (Night mode during day), faulty sensor.	Check circuit breaker. Verify wiring connections. Adjust LUX setting to Day mode for testing. Contact support if issue persists.
Light stays on continuously.	Continuous motion detected, TIME setting too long, faulty sensor.	Ensure no constant motion in detection area. Reduce TIME setting. Test sensor by covering it.
Light turns on for no apparent reason.	High sensitivity (DISTANCE), environmental factors (wind, small animals, heat sources).	Reduce DISTANCE sensitivity. Reposition sensor to avoid interference from trees, bushes, or passing traffic.

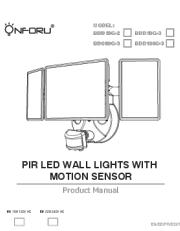
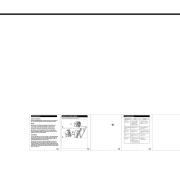
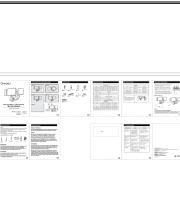
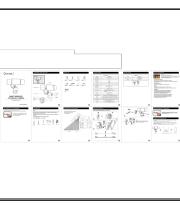
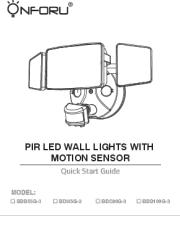
Detection range is too short or inconsistent.	Low sensitivity (DISTANCE), incorrect mounting height, obstructions.	Increase DISTANCE sensitivity. Ensure mounting height is within recommended range (10-16.4 ft). Clear any obstructions from the sensor's field of view.
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9. WARRANTY AND SUPPORT

The Onforu 100W LED Security Light (Model BDD100G-3) comes with a **2-year warranty** from the date of purchase, covering defects in materials and workmanship.

For technical assistance, warranty claims, or any questions regarding your product, please contact Onforu customer support through the retailer's platform or the official Onforu website. Please have your purchase receipt and model number (BDD100G-3) available when contacting support.

Related Documents - BDD100G-3

	<p>ONFORU PIR LED Wall Light with Motion Sensor: Product Manual & Installation Guide</p> <p>This product manual provides detailed information on the ONFORU PIR LED Wall Lights with Motion Sensor, including safety instructions, specifications, installation steps, operation, and maintenance. Covers models BDD50G-2, BDD50G-3, BDC80G-3, and BDD100G-3.</p>
	<p>Onforu PIR LED Wall Lights with Motion Sensor - Product Manual</p> <p>Comprehensive product manual for Onforu PIR LED Wall Lights with Motion Sensor, detailing model specifications, component lists, installation guides, operation instructions, and troubleshooting tips.</p>
	<p>ONFORU PIR LED Wall Lights with Motion Sensor Quick Start Guide - Models BDB55G-3, BDI45G-2, BDC80G-3, BDL40G-3, BDD100G-3</p> <p>Quick start guide for ONFORU PIR LED Wall Lights with Motion Sensor. Includes installation instructions, specifications, dimensions, operation, and troubleshooting for models BDB55G-3, BDI45G-2, BDC80G-3, BDL40G-3, BDD100G-3.</p>
	<p>Onforu Smart Wireless Floodlight Camera BDB55SX-3 User Manual</p> <p>Comprehensive user manual for the Onforu Smart Wireless Floodlight Camera, model BDB55SX-3. Includes installation instructions, specifications, safety information, app operation, and troubleshooting.</p>
	<p>ONFORU PIR LED Wall Lights with Motion Sensor Quick Start Guide</p> <p>Quick start guide for ONFORU PIR LED Wall Lights with Motion Sensor (models BDB55G-3, BDI45G-2, BDC80G-3, BDD100G-3). Covers components, parts, specifications, operation, preparation, installation, and troubleshooting.</p>



[Onforu Floodlight Camera: Setup, Features, and Troubleshooting Guide](#)

Comprehensive guide to setting up and using the Onforu Floodlight Camera, covering app connection, motion detection, Alexa integration, recording options, and common troubleshooting. Includes installation advice and privacy information.