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Onforu BDB65G-3

Onforu 65W LED Security Lights Motion Sensor Light Outdoor Instruction Manual

Model: BDB65G-3 | Brand: Onforu

Introduction

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your Onforu 65W LED Security Light. Please read this manual thoroughly before installation and use to ensure proper function and safety.
The Onforu 65W LED Security Light is a high-performance outdoor lighting solution designed for enhanced security and convenience. Featuring 6500 lumens of super bright, energy-efficient LED illumination, an adjustable three-head design, and an advanced motion sensor, this light is perfect for various outdoor applications.

Key Features

- **6500 LM Super Bright and Energy Saving:** The 65 W outdoor flood light is illuminated by 112 high quality and efficient LED beads, producing up to 6500 LM high brightness output, equivalent to 450 W traditional normal bulbs, saving 85% of your electricity bill
- **Adjustable Design and Easy Installation:** The triple heads of this security light can be adjusted to cast light in a 270-degree detection zone, so you can see everything that’s happening in your yard; And just within 3 steps (refer to our installation tutorial video), you can start lighting your yards
- **Efficient Cooling & Long Lifespan:** The motion sensor lights outdoor is made of die-cast aluminum, it has excellent heat dissipation, which is more sturdy; More efficient fin type heat sink design and high-quality aluminum housing material, ensure this outdoor led floodlight safe to use and longer lifespan
- **Enhanced Motion Sensor:** With 180° wide sensing angle, this motion detector can sense motion up to max 72 feet away and the lighting time can be adjusted from 10 seconds to 7 minutes; If the sensing parameters are not suitable, please try to adjust the knob on the sensor first
- **IP65 Waterproof:** IP65 waterproof and dust-proof rating ensures that your outdoor security light fixture won’t be damaged in rain, sleet or snow weather; Perfect for garages, workshops, yards, storage rooms, driveways, parking lots, and more



Figure 1: Onforu 65W LED Security Light with three adjustable heads and integrated motion sensor.

Specifications

Feature	Detail
Brand	Onforu
Model Number	BDB65G-3
Wattage	65 watts
Brightness	6500 Lumen
Color Temperature	6500K (Daylight White)
Voltage	120 Volts
Material	Aluminum
Water Resistance Level	IP65 Waterproof
Motion Sensor Angle	180°
Motion Sensor Distance	Up to 72 feet
Lighting Time Adjustment	10 seconds to 7 minutes

Feature	Detail
Product Dimensions	10.7"L x 5.8"W x 4.7"H
Installation Type	Wall Mount & Soffit Mount

Setup and Installation

Important Safety Notice: **Please power off the main circuit breaker before beginning any installation work to prevent electrical shock. If you are unsure about electrical wiring, consult a qualified electrician.**

1. **Determine Installation Location:** Choose a suitable outdoor location, such as a garage, yard, or entryway, ensuring it is within reach of existing electrical wiring. Recommended installation height: 8.2-16.4 ft.
2. **Mounting Plate Installation:** Secure the mounting plate to the wall or soffit using the provided hardware. Ensure the plate is firmly attached and the electrical wires are pulled through the center opening.
3. **Wiring Connection:** Connect the light fixture's wires to your household wiring. Typically, this involves connecting the live (black), neutral (white), and ground (green/bare copper) wires. Use wire nuts to secure connections and ensure no bare wire is exposed.
4. **Attach Light Fixture:** Carefully align the light fixture with the mounting plate and secure it with the long screw provided. Ensure wires are not pinched during this step.
5. **Adjust Illumination Angle:** Adjust the three light heads and the motion sensor to cover your desired detection zone and illumination area. The heads can be adjusted up to 270 degrees.



Figure 2: Adjustable design of the light heads and motion sensor for optimal coverage.



Figure 3: Detailed wiring and dimension diagram for installation.

Installation Video Guide

Your browser does not support the video tag.

Video 1: Official installation guide for the Onforu 65W LED Security Light. (Creator: Onforu)

Operating Instructions

The motion sensor features three adjustable knobs for customizing its operation:

- **LUX (Light Sensitivity):** Adjusts the ambient light level at which the sensor will activate the light.
  - "+" setting: Lights will be triggered at day and night.

- "-" setting: Lights will only be triggered at night.

- **TIME (Lighting Duration):** Sets how long the light remains on after motion is detected. Adjustable from 10 seconds to 7 minutes.
- **SENS (Sensitivity/Distance):** Controls the detection range of the motion sensor, from 16.4 feet to 72.2 feet.



Figure 4: Motion sensor adjustment knobs for LUX, TIME, and SENS settings.

Experiment with these settings to find the optimal configuration for your specific needs and environment.

Maintenance

- **Cleaning:** Regularly clean the light fixture and motion sensor lens with a soft, damp cloth to ensure optimal performance. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the wiring and mounting for any signs of wear, damage, or loosening. Address any issues promptly.
- **LED Lifespan:** The LED beads are designed for a long lifespan and are not user-replaceable.

Troubleshooting

Problem	Possible Cause	Solution
Light does not turn on.	No power, faulty wiring, sensor settings.	Check circuit breaker. Verify wiring connections. Adjust LUX setting to allow activation in current light conditions.
Light stays on continuously.	Continuous motion detected, TIME setting too long, LUX setting incorrect.	Ensure no constant motion in detection area. Reduce TIME setting. Adjust LUX setting to only activate at night if desired.

Problem	Possible Cause	Solution
Light turns on for no apparent reason.	Sensor too sensitive, environmental factors (wind, small animals).	Reduce SENS setting. Reposition sensor to avoid false triggers.
Light flickers.	Loose wiring connection, power fluctuations.	Check and tighten all wiring connections. Consult electrician if power fluctuations persist.

Warranty and Support

The Onforu 65W LED Security Light comes with a**2-year limited warranty**. For warranty claims or technical support, please contact Onforu customer service through their official website or the platform where you purchased the product. For additional information and support, visit the official Onforu Store:Onforu Store

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