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› Onforu Battery Powered Motion Sensor Outdoor Lights User Manual

Onforu BDB10G-3

Onforu Battery Powered Motion Sensor Outdoor Lights User Manual

Model: BDB10G-3

1. INTRODUCTION

Thank you for choosing the Onforu Battery Powered Motion Sensor Outdoor Light. This manual provides detailed instructions for the safe and efficient operation of your new security flood light. Please read this manual thoroughly before installation and use, and retain it for future reference.

This product is designed to provide bright, motion-activated illumination for outdoor areas without the need for electrical wiring or solar panels, offering flexible placement options.



Figure 1.1: The Onforu Battery Powered Motion Sensor Outdoor Light, showcasing its design with three adjustable light heads and an integrated motion sensor.

2. PRODUCT OVERVIEW

The Onforu BDB10G-3 is a battery-powered motion sensor outdoor light featuring three adjustable LED heads. It is designed for security and convenience, providing 2000 lumens of 6500K cool white light.

2.1 Key Features

- **Battery Powered:** Operates on 4 D batteries (not included) to provide sufficient brightness, suitable for areas without electricity or sun.
- **2000 LM Brightness & Energy Saving:** Equipped with 124 efficient LED beads, producing up to 2000 lm high brightness, equivalent to a 150W traditional halogen bulb.
- **Adjustable Motion Sensor Trigger Mode:** Features a 180° wide sensing angle with detection up to 72 ft. Lighting time is adjustable from 5s to 30s, and ambient illuminance (LUX) can be set.
- **Light Up Wide Area:** Three adjustable light heads can be positioned to different angles, providing an illumination area with an angle as high as 250°.
- **IP65 Waterproof & Easy Install:** Designed to work well in bad weather conditions like rain, sleet, and snow. Wireless installation means no wiring is needed.

2.2 Package Contents

- Onforu Battery Powered Motion Sensor Outdoor Light (Model: BDB10G-3)
- Mounting Hardware (screws, wall anchors)
- User Manual



Figure 2.1: An exploded view illustrating the internal components of the light, including the professional filter lens, high-intensity material, and branded LED beads, contributing to its energy saving and high efficiency.

3. SETUP AND INSTALLATION

Follow these steps to set up and install your Onforu motion sensor light.

3.1 Battery Installation

1. Locate the battery compartment on the back of the light unit.
2. Open the battery compartment cover.

- 3. Insert 4 D-size batteries (not included) into the compartment, ensuring correct polarity (+/-).
- 4. Securely close the battery compartment cover to ensure water resistance.

Battery Powered

(battery not included)



Not needed	Wire	Wire needed
Anywhere you want	Placement	Limited to power lines
Still working	Power Outage	Stop working

AC Powered



Figure 3.1: Battery installation for the Onforu flood light. The image shows the battery compartment open with four D-size batteries ready for insertion, highlighting the battery-powered nature of the device.



Figure 3.2: Battery life estimation. If the light is sensed 20 times a day and delayed for 20 seconds each time, the batteries can be used for approximately 180 days.

3.2 Mounting Location Selection

Choose a location that provides optimal coverage for the desired area. Consider the following:

- The motion sensor has a 180° sensing angle and can detect motion up to 72 feet away.
- The light heads can be adjusted to illuminate an area up to 250°.
- Ensure the chosen location is free from obstructions that might block the sensor's view or the light's output.
- The unit is IP65 waterproof, suitable for outdoor exposure to rain, sleet, and snow.

Battery Powered Motion Sensor Outdoor Light

No Solar | No Dusk to Dawn | Battery not included



Figure 3.3: Overhead view illustrating the 180° sensing angle and 72ft detection distance of the motion sensor, along with the 180°-270° lighting angle and 1160 sq.ft irradiation area.



Figure 3.4: This image demonstrates the IP65 waterproof rating, showing the light functioning effectively during heavy rain, indicating its heat resistant, snowproof, and waterproof properties.

3.3 Mounting the Light

1. Using the provided mounting hardware, fasten the mounting bracket securely onto the wall or desired surface.
2. Buckle the light unit into the mounting plate securely.
3. Adjust the light heads and motion sensor to the desired angles.

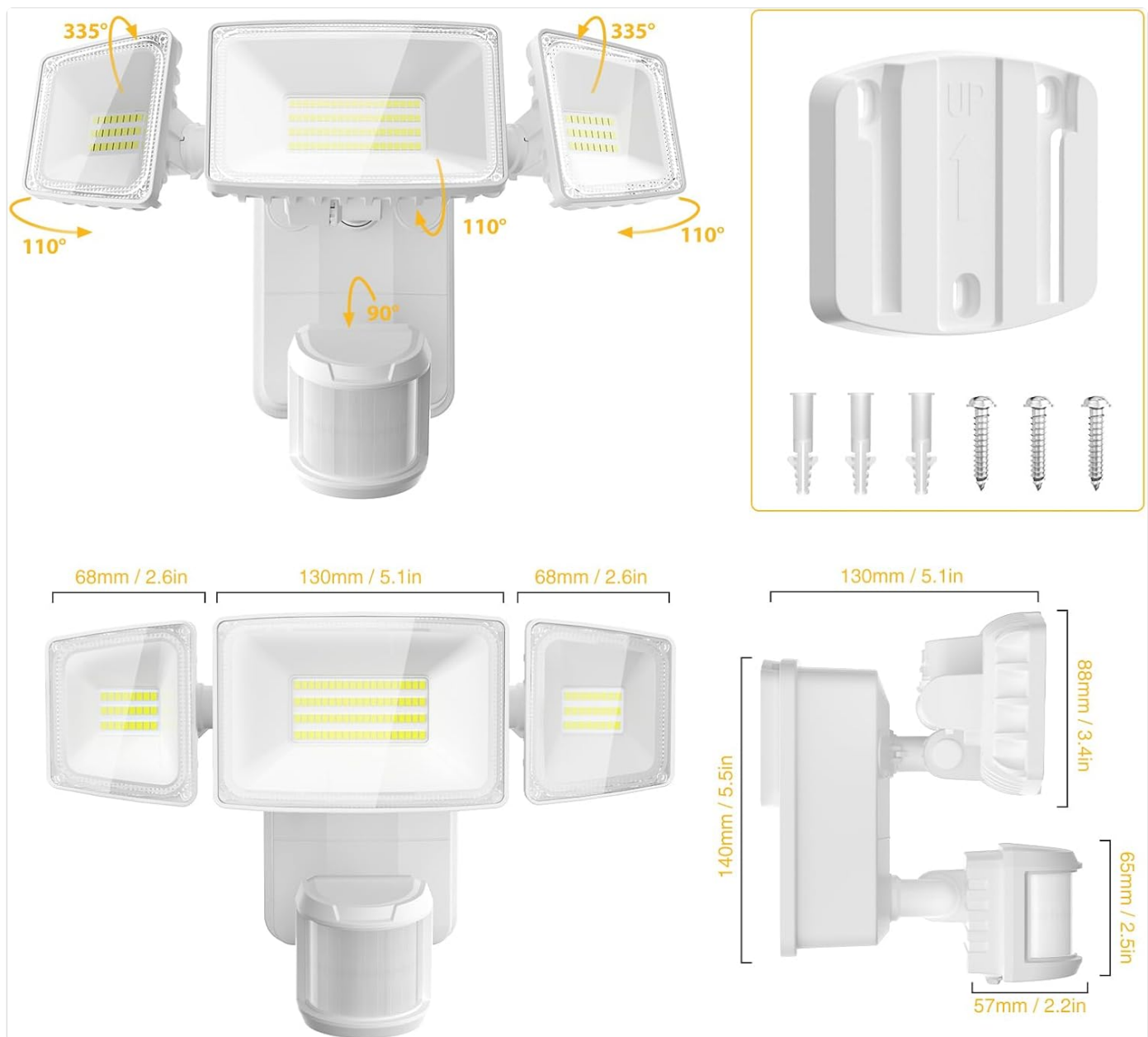


Figure 3.5: Step-by-step installation guide: Step 01 shows inserting batteries (not included), Step 02 shows fastening the mounting bracket onto the wall, and Step 03 shows buckling the light into the mounting plate securely.

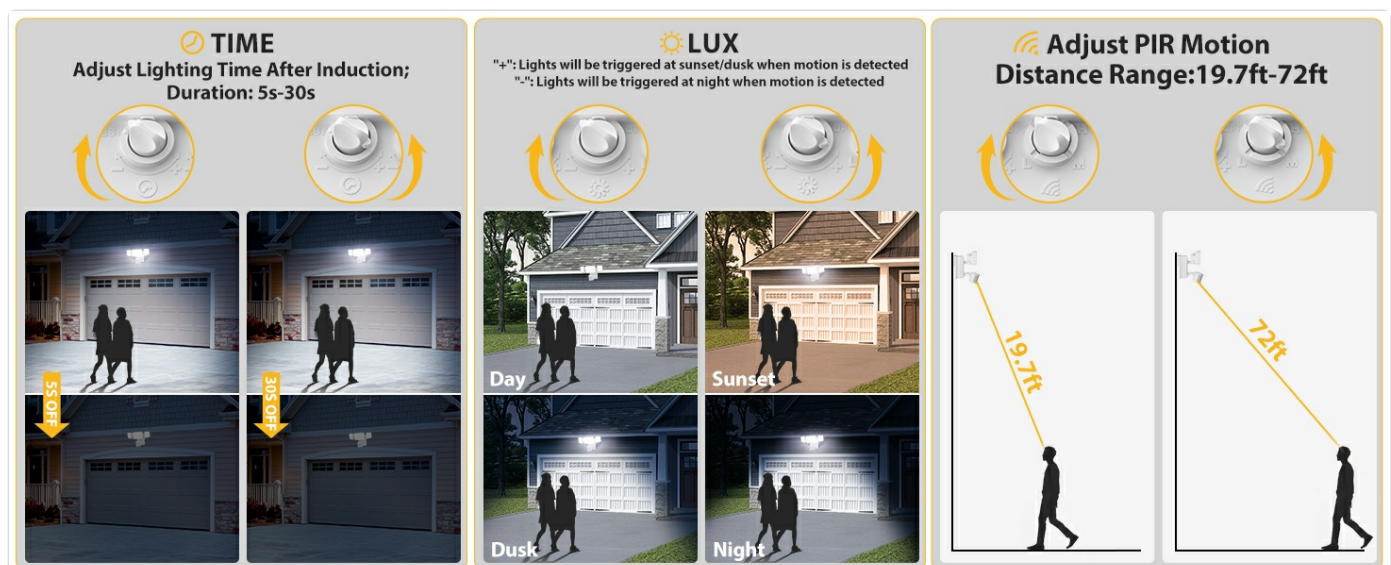


Figure 3.6: This image illustrates two common installation methods: Wall Mounted and Soffit Mounted, demonstrating the versatility of the light's design.



Figure 3.7: Detailed diagram showing the adjustable angles of the three light heads (335° horizontal, 110° vertical) and the motion sensor (90° vertical), along with overall product dimensions.

4. OPERATING INSTRUCTIONS

The Onforu motion sensor light features adjustable settings for optimal performance.

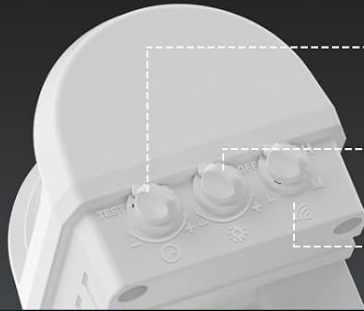
4.1 Adjusting Sensor Settings

The motion sensor has three adjustable knobs:

- **TIME (5s-30s):** Adjusts the duration the light stays on after motion is detected.
- **LUX (80-2000lux):** Sets the ambient illuminance value at which the light will activate.
 - "+" setting: Light will be triggered at sunset/dusk when motion is detected.
 - "-" setting: Light will be triggered at night when motion is detected.
- **DISTANCE (19.7ft-72ft):** Adjusts the motion detection range.

Versatile Motion Detector

Bringing extra safety and convenience to life



⌚ Set the light timer

☀ Set the ambient illuminance detection value

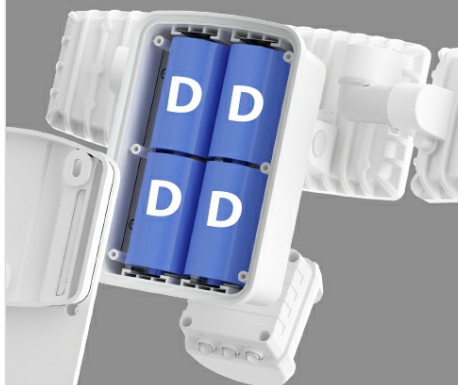
📶 Set the motion detection distance

180° Detection Angle

72ft Sensing Distance

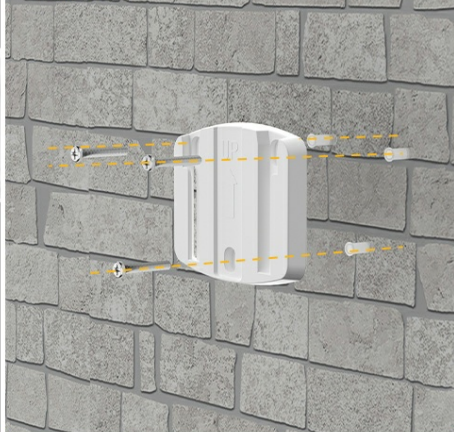
Figure 4.1: Close-up of the versatile motion detector, showing the three adjustable knobs for setting the light timer (TIME), ambient illuminance detection value (LUX), and motion detection distance (DISTANCE).

Step 01



Inset batteries (not included)

Step 02



Fasten the mounting bracket onto the wall

Step 03



Buckle the light into the mounting plate securely

Figure 4.2: This diagram explains the functionality of the TIME, LUX, and DISTANCE adjustment knobs on the motion sensor. It shows how to set the lighting duration, ambient light sensitivity (day/dusk/night), and detection range.

4.2 Motion Activation

The light will only activate when motion is detected and the ambient illuminance is below the set LUX value. During daylight hours, the light will not turn on even if motion is detected.



Figure 4.3: This image illustrates the motion-activated behavior of the light. During the day, the light remains off. At night or at sunset/dusk, when motion is detected, the light will come on for the set duration (5-30 seconds).

5. MAINTENANCE

To ensure the longevity and optimal performance of your Onforu motion sensor light, follow these maintenance guidelines:

- **Cleaning:** Periodically wipe the light fixture and sensor lens with a soft, damp cloth to remove dirt, dust, or debris. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace all 4 D-size batteries when the light's brightness diminishes or it stops activating.

Always use new, high-quality batteries for best performance.

- **Inspection:** Regularly check the mounting for security and ensure no external damage to the unit.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on at night.	1. Batteries are dead or low. 2. LUX setting is too high (set to day mode). 3. Motion sensor is obstructed.	1. Replace all 4 D-size batteries. 2. Adjust the LUX knob to a lower setting (towards the "-" symbol). 3. Clear any obstructions from the sensor's view.
Light stays on too long or too short.	TIME setting is incorrect.	Adjust the TIME knob to the desired duration (5s-30s).
Motion detection range is too short or too long.	DISTANCE setting is incorrect.	Adjust the DISTANCE knob to the desired range (19.7ft-72ft).
Light flickers or is dim.	Low battery power.	Replace all 4 D-size batteries.

7. SPECIFICATIONS

Feature	Specification
Brand	Onforu
Model Number	BDB10G-3
Power Source	4 x D Batteries (not included)
Brightness	2000 Lumens
Color Temperature	6500K (Cool White)
Motion Sensor Angle	180°
Motion Detection Distance	Up to 72 ft
Lighting Time Adjustment	5s - 30s
Ambient Illuminance (LUX) Adjustment	80-2000lux
Illumination Angle	Up to 250° (adjustable heads)
Water Resistance Rating	IP65 Waterproof
Material	Aluminum
Item Weight	1.59 pounds
Package Dimensions	9.13 x 7.05 x 5.75 inches

8. WARRANTY AND SUPPORT

Onforu provides a standard warranty for this product. For detailed warranty information, product support, or technical assistance, please visit the official Onforu website or contact their customer service.

Official Onforu Store: [Onforu Amazon Store](#)



Figure 8.1: Onforu brand image, representing the company's commitment to lighting solutions.

9. PRODUCT VIDEOS

Watch this official product video for additional information and a visual guide.

9.1 Onforu Battery Powered Motion Sensor Outdoor Lights Overview

Your browser does not support the video tag.

This video provides a comprehensive overview of the Onforu Battery Powered Motion Sensor Outdoor Lights, showcasing its features, motion detection capabilities, and ease of installation. It highlights the wide sensing angle, illumination area, and battery-powered convenience.

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