

OREiN OL3600354

OREiN 4500LM/30W Hardwired Motion Sensor LED Flood Light

MODEL: OL3600354 - INSTRUCTION MANUAL

1. Introduction

Thank you for choosing the OREiN 4500LM/30W Hardwired Motion Sensor LED Flood Light. This manual provides essential information for the safe installation, operation, and maintenance of your new flood light. Please read these instructions thoroughly before installation and retain them for future reference.

2. Safety Information

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

- Installation must be performed by a qualified electrician or person familiar with the construction and operation of the product and the hazards involved.
- Ensure the supply voltage is correct (120V AC).
- Do not install near combustible materials.
- Wear safety glasses and gloves during installation.
- This fixture is designed for outdoor use and is IP65 waterproof rated.

3. Package Contents

Verify that all components are present before beginning installation:

- Light Fixture (1)
- Mounting Bracket (1)
- Screws (various sizes)
- Wire Nuts (3)
- Instruction Manual (1)

4. Product Overview

The OREiN Flood Light features three adjustable LED heads and a motion sensor for comprehensive outdoor

illumination and security.



Figure 1: Front view of the OREiN 4500LM/30W Hardwired Motion Sensor LED Flood Light, showing the three adjustable light heads and the motion sensor below.

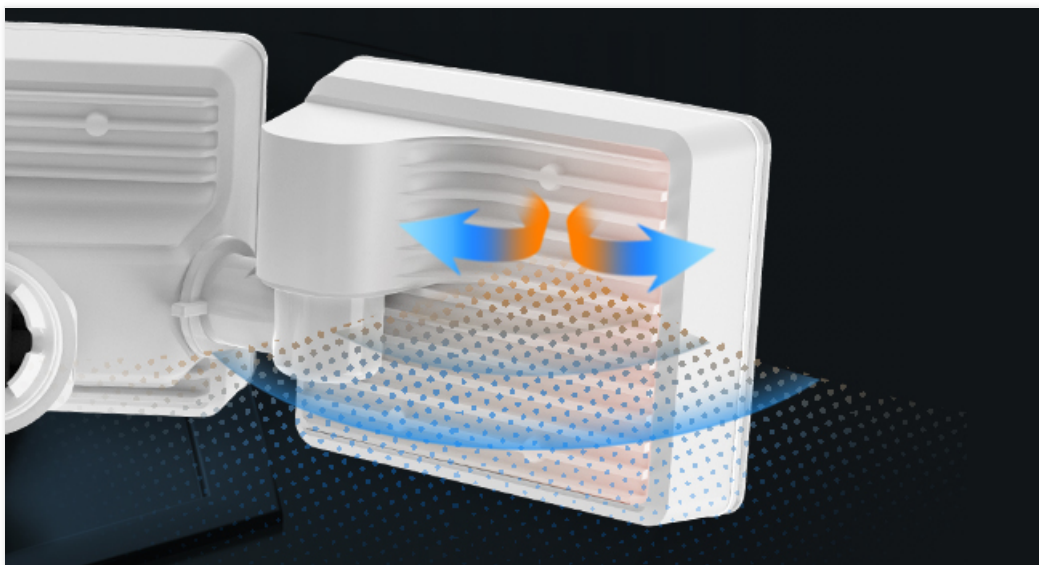


Figure 2: Diagram illustrating the flexible adjustment angles of the three light heads (340°) and the motion sensor (270° horizontally, 120° vertically).

5. Installation

This flood light is designed for hardwired installation on a standard junction box (2.75" / 3.5"). It supports both wall and eave mounting.

Installation Steps:

1. **Turn off Power:** Disconnect power at the circuit breaker before starting.
2. **Secure Mounting Bracket:** Attach the metal mounting bracket to your existing junction box using the provided screws.
3. **Connect Wires:** Connect the household wiring to the fixture wires using the provided wire nuts. Typically, black to black (live), white to white (neutral). This light belongs to secondary luminaires, so no extra ground wire connection is needed.
4. **Secure the Light Fixture:** Align the light fixture with the mounting bracket and secure it with the appropriate screws.
5. **Insert Waterproof Plug:** Ensure the waterproof plug is properly inserted to prevent moisture ingress.
6. **Adjust Light Heads and Sensor:** Position the three light heads and the motion sensor to cover the desired areas.
7. **Restore Power:** Turn the power back on at the circuit breaker.

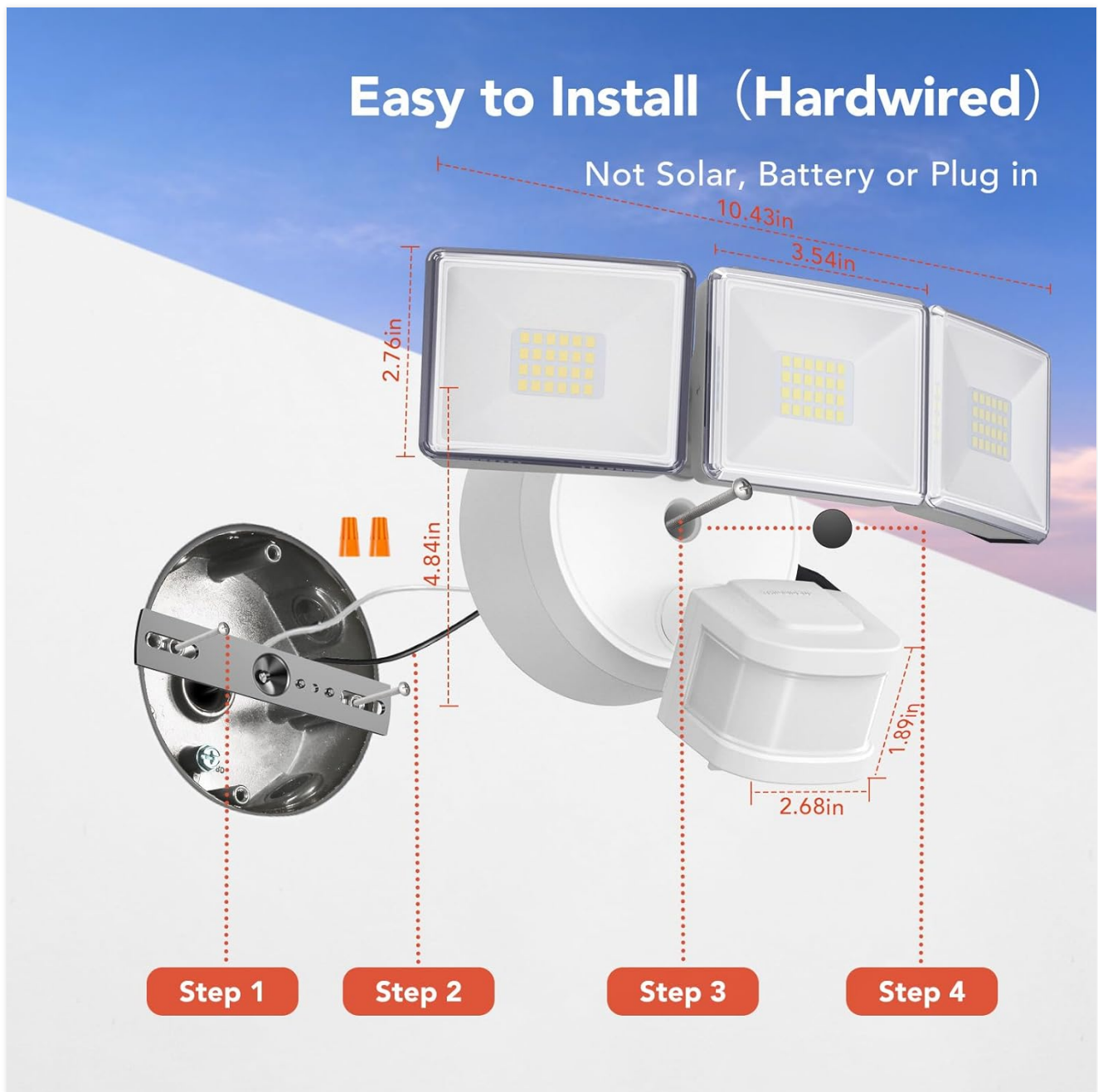


Figure 3: Step-by-step diagram for hardwired installation, showing mounting bracket, wire connections, and securing the fixture.



Figure 4: Examples of wall-mounted and soffit-mounted installations for the flood light.

6. Operating Modes

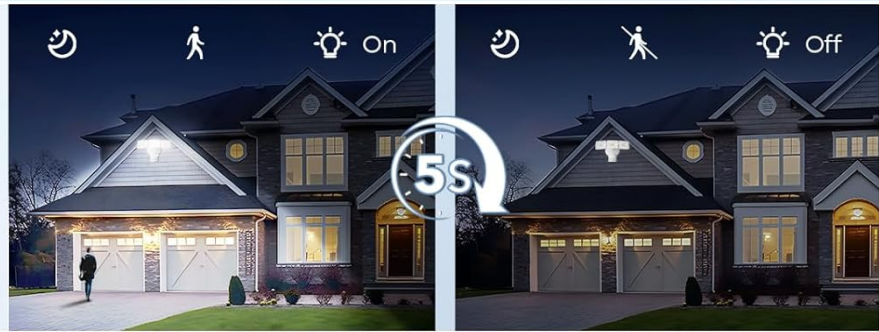
The OREiN Flood Light offers three operational modes, selectable via a switch on the motion sensor unit:

- **Test Mode:** The light turns on for 5 seconds when motion is detected, regardless of ambient light. Useful for testing sensor coverage during installation.
- **Dusk to Dawn (D2D) Mode:** The light automatically turns on at night and off during the day. In this mode, the motion sensing function is inactive.
- **Auto Mode:** The light turns on only at night when motion is detected. The duration the light stays on (1, 5, or 10 minutes) can be adjusted.

3 Modes for Daily Lighting

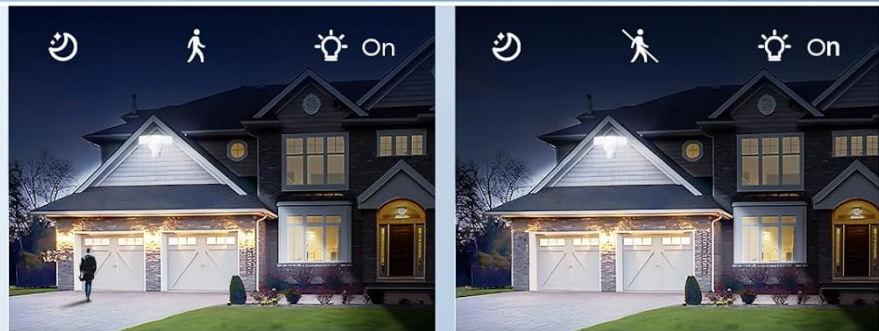
Test Mode

The light will turn on for 5s then off by detected motion



D2D Mode

The light will keep on at night and auto off during the day



Auto Mode

The light will turn on at night for 1/5/10mins by detected motion

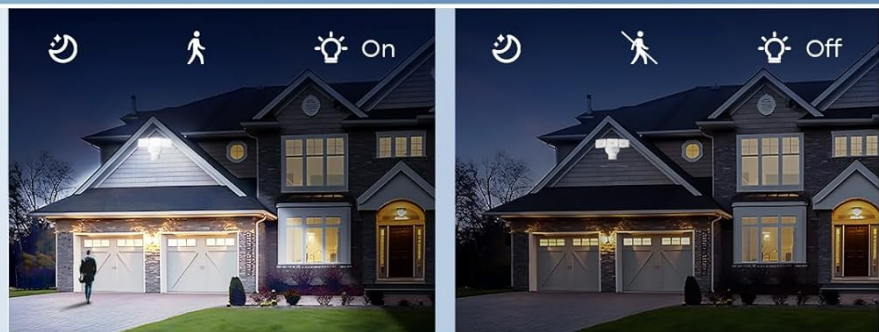


Figure 5: Visual representation of Test, Dusk to Dawn, and Auto modes in operation.



Figure 6: Illustration of the Dusk to Dawn mode, showing the light automatically activating when surroundings are dark and deactivating when bright.

7. Adjusting Settings

The motion sensor unit includes dials for adjusting the light's duration and sensitivity:

- **Time Adjustment (Timer Minutes):** Set the duration the light stays on after motion detection in Auto Mode (1, 5, or 10 minutes).
- **Sensitivity Adjustment (Sensitivity):** Adjust the motion detection range (10ft, 20ft, 30ft, 40ft). Max setting provides up to 40ft detection.

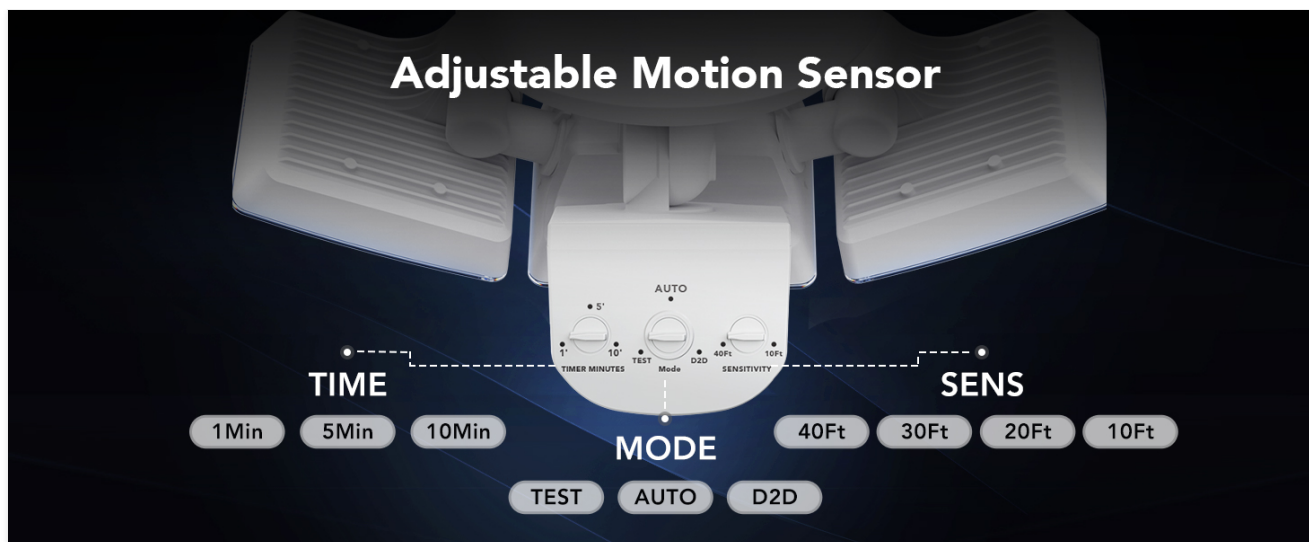


Figure 7: Close-up of the motion sensor with dials for adjusting mode, timer minutes, and sensitivity.

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Video 1: Official OREiN video demonstrating the motion sensor outdoor lights, including features like wide detection, adjustable sensing distance, heat dissipation, adjustable time/sensitivity, flexible adjustment, and easy installation.

8. Maintenance

- **Cleaning:** Clean the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check for any damage to the wiring or housing.
- **Bulb Replacement:** The LED bulbs are integrated and not user-replaceable. The fixture has a lifespan of up to 50,000 hours.



Figure 8: Illustration demonstrating the IP65 waterproof rating, showing the light functioning reliably under rain.

Flexible Adjustment Angle



Figure 9: Diagram showing the heat dissipation design of the light heads, contributing to the product's longevity.

9. Troubleshooting

Problem	Possible Cause	Solution
Light does not turn on.	No power; incorrect wiring; sensor settings.	Check circuit breaker. Verify wiring connections. Adjust sensor mode/sensitivity.
Light stays on continuously.	Sensor in D2D mode; continuous motion detected; sensitivity too high.	Switch to Auto mode. Check for constant heat sources or movement in detection zone. Reduce sensitivity.
Light turns on during the day.	Sensor in Test mode; ambient light sensor blocked.	Switch to Auto or D2D mode. Ensure the ambient light sensor is not obstructed.
Motion detection range is too short/long.	Sensitivity setting incorrect.	Adjust the sensitivity dial on the motion sensor.

10. Specifications

Feature	Detail
Model Name	OL3600354
Brand	OREiN
Brightness	4500 Lumens
Wattage	30 Watts
Color Temperature	5000 Kelvin (Daylight)
Voltage	120 Volts
Material	Acrylonitrile Butadiene Styrene (ABS)
Water Resistance Level	IP65 Waterproof

Feature	Detail
Motion Detection Angle	240°
Motion Detection Distance	Up to 40 feet
Light Head Adjustment	340° Coverage
Estimated Lifespan	50,000 hours
Installation Type	Hardwired (Wall Mount, Eave Mount)
Product Dimensions	7.6"L x 8"W x 6"H
Item Weight	1.87 pounds

11. Warranty and Support

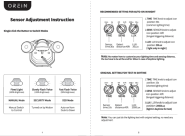
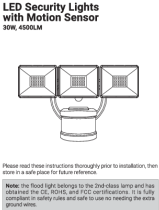

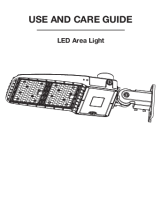


OREiN offers an extended warranty for this product. For specific warranty details, please refer to the product packaging or contact OREiN customer support.

Customer Support:

- For assistance, contact OREiN directly through Amazon or search for the brand name online.
- If you encounter any issues, it is recommended to contact customer support before initiating a return.



Figure 10: Image representing OREiN customer support, available for assistance.

 <p>OREIN Sensor Adjustment Instructions</p>	<p>OREIN Sensor Adjustment Instructions</p> <p>A guide to adjusting the settings for OREIN motion sensor outdoor lights, covering TIME, SENS, and LUX adjustments for various lighting modes.</p>
 <p>OREIN LED Security Lights with Motion Sensor 30W, 4500LM</p>	<p>OREiN LED Security Lights with Motion Sensor: Installation and Operation Manual</p> <p>Comprehensive guide for installing and operating OREiN LED Security Lights with Motion Sensor (30W, 4500LM). Includes safety precautions, setup instructions, troubleshooting, and care tips.</p>
 <p>OREIN Outdoor Flood Light With Motion Sensor</p>	<p>OREiN Motion Sensor Security Light Outdoor User Manual</p> <p>User manual for the OREiN Motion Sensor Security Light Outdoor, model OL27001-DW-EU. Features 24W LED floodlight, adjustable white light, IP65 waterproofing, PIR motion detection, and dusk-to-dawn functionality.</p>
 <p>OREIN USE AND CARE GUIDE LED Area Light</p>	<p>Orein LED Area Light Use and Care Guide</p> <p>Comprehensive use and care guide for the Orein LED Area Light, model SLFAL01LM416001. Includes safety information, troubleshooting, warranty details, specifications, installation instructions for various mounting options, photocell details, and cleaning recommendations.</p>
 <p>OREIN Outdoor Smart Flood Light With Motion Sensor 30W, 4500LM</p>	<p>OREIN Outdoor Smart Flood Light With Motion Sensor OL27002546 User Manual</p> <p>User manual for the OREIN Outdoor Smart Flood Light with Motion Sensor (Model OL27002546). Includes installation guide, sensor settings, modes description, troubleshooting, product specifications, and app connection instructions.</p>
 <p>OREIN Smart Motion Sensor Outdoor Lights 30W, 4500LM</p>	<p>OREiN Smart Motion Sensor Outdoor Lights OL36002440 Installation and User Manual</p> <p>Comprehensive guide for installing and operating the OREiN Smart Motion Sensor Outdoor Lights, Model OL36002440. Includes setup, sensor adjustments, modes, troubleshooting, and app connection instructions.</p>