OREiN OL3600330

OREiN 3500LM/26W Flood Lights Outdoor User Manual

Brand: OREiN | Model: OL3600330

1. PRODUCT OVERVIEW

The OREiN 3500LM/26W Flood Light is a high-efficiency outdoor security light designed to provide bright illumination with advanced motion sensing capabilities. It features three adjustable light heads, multiple operating modes, and a durable, waterproof design for reliable outdoor use.

Figure 1: OREiN 3500LM/26W Flood Light with three adjustable heads and motion sensor.

Key Features:

- 3 Working Modes: TEST, Dusk to Dawn (D2D), and AUTO (Motion Mode).
- Wide Sensing Range: Equipped with two infrared detectors for a 240° sensing range and up to 40ft detection distance.
- High Brightness: 3500LM/5000K LED light with 26W power consumption, offering 135LM/W high efficiency.
- Durable Design: IP65 waterproof rating, excellent heat dissipation, high-temperature resistance, and frost resistance.
- Easy Installation: Compatible with standard junction boxes (2.75 inches and 3.5 inches hole spacing) for wall or ceiling mounting.

2. SETUP AND INSTALLATION

Before installation, ensure the power supply is turned off at the circuit breaker to prevent electrical shock. This unit is hardwired and requires installation on a junction box.

2.1 Components Included

- Light Fixture
- Mounting Bracket
- Screws
- Wire Nuts
- User Guide

2.2 Installation Steps

1. **Secure the Mounting Bracket:** Attach the metal mounting plate to your existing junction box. Ensure it is firmly secured.
2. **Connect the Wires:** Carefully connect the light fixture's wires to your household wiring using the provided wire nuts. Follow standard electrical wiring procedures (e.g., black to black, white to white, ground to ground).
3. **Secure the Light:** Mount the light fixture onto the secured mounting bracket.
4. **Insert the Waterproof Plug:** Ensure all connections are sealed and insert the waterproof plug to protect against moisture.

Easy to Install（Hardwired）

10.43in

3.54in

2.76in

4.84in

1.89in

2.68in

3.93Inch

GND FRONT

Figure 2: Visual guide for hardwired installation steps.

Easy to Install

Hardwired, not Battery or Solar

STEP 1 Secure the mounting bracket
STEP 2 Connect the wires
STEP 3 Secure the light
STEP 4 Insert the Waterproof Plug

Note: The light belongs to the secondary luminaires, totally safe and compliance with all the safety rules, no need connecting the extra ground wires.

Step 4   Step 3   Step 2   Step 1

Figure 3: Examples of wall-mounted and soffit-mounted installations.

Video 1: OREiN 3500LM 240 Degrees/ 40ft Motion Sensor Outdoor Lights - This video demonstrates the features and installation process of the flood light, including its motion sensing capabilities and adjustable heads.

3. OPERATING MODES

The OREiN Flood Light offers three distinct operating modes, selectable via controls on the motion sensor unit:

- **TEST Mode:** The light turns on when motion is detected, both during the day and night, and automatically turns off after 5 seconds. This mode is ideal for testing the sensor's range and light coverage during installation.

- **D2D (Dusk to Dawn) Mode:** The light automatically turns on at dusk and turns off at dawn. In this mode, the motion sensor function is inactive, providing continuous illumination throughout the night.

- **AUTO Mode (Motion Mode):** The light turns on only at night when motion is detected. The duration the light stays on (1min/5mins/10mins) and the detection distance (10ft/20ft/30ft/40ft) are adjustable.

Figure 5: Close-up of the adjustable controls for TIME, MODE (TEST, AUTO, D2D), and SENS (Sensitivity/Distance).

4. FEATURES AND TECHNOLOGY

The OREiN Flood Light incorporates advanced technology for optimal performance and energy efficiency.

4.1 Powerful Motion Sensing

With two sensitive infrared detectors, the light offers a broad 240° detection angle and can sense motion up to 40 feet away. This wide coverage ensures that a large area, such as a yard, patio, or driveway, is illuminated upon entry.

Figure 6: Illustration of the 240° detection angle and 40ft sensing distance.

4.2 Bright and Energy-Efficient Illumination

The flood light utilizes advanced LED beads and a uniform light-transmitting filter lens to produce a bright 3500LM/5000K daylight white light. With a low power consumption of 26W, it achieves a high efficiency of 135LM/W, contributing to significant energy savings.

Super Bright & Highly Efficient

3500LM/26W   5000K White Light

Figure 7: Depiction of the 3500LM brightness and 5000K white light output.

135LM/W Enhanced LED Beads

Even Light-distributing Filter Lens

240°Powerful Sensor

Figure 8: Diagram highlighting the 135LM/W high efficiency and 26W power for 3500LM output.

4.3 IP65 Waterproof and Durable Construction

Constructed from Acrylonitrile Butadiene Styrene (ABS) material, the light is IP65 waterproof, making it resistant to rain, snow, and wind. It also features excellent heat dissipation, high-temperature resistance, and frost resistance, ensuring a long lifespan of up to 50,000 hours.
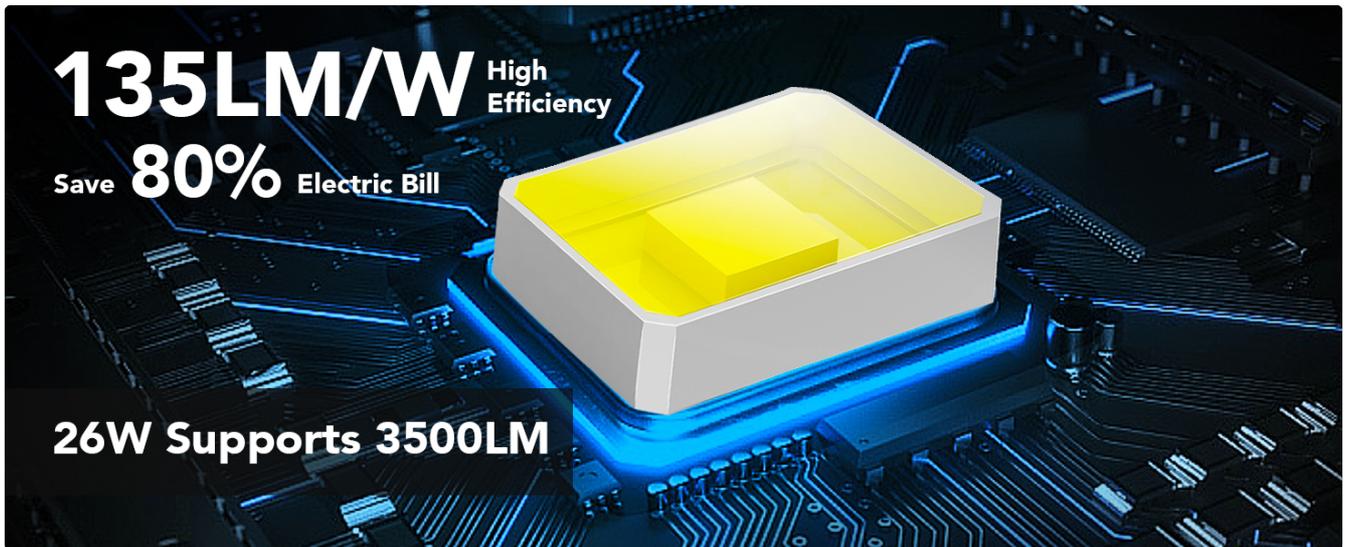

Figure 9: Visual representation of the IP65 waterproof rating, showing resistance to various weather conditions.

Figure 10: Diagram illustrating the heat dissipation design for extended product life.

4.4 Flexible Adjustment Angle

The three light panels can be adjusted independently, offering a 340° lighting angle. This flexibility allows you to direct light precisely where needed, covering up to 3500 sq.ft. areas effectively.

Figure 11: Illustration showing the flexible adjustment angles of the light heads.

5. SPECIFICATIONS

Attribute	Detail
Brand	OREiN
Model Name	OL3600330
Color	Black
Material	Acrylonitrile Butadiene Styrene (ABS)
Light Source Type	LED
Brightness	3500 Lumen
Wattage	26 watts
Color Temperature	5000 Kelvin (Day White Light)
Motion Sensor Angle	240°
Motion Sensor Distance	Up to 40ft
Water Resistance Level	IP65 Waterproof
Lifespan	50,000 hours
Installation Type	Wall Mount, Ceiling Mount (Hardwired)
Product Dimensions	8.8"L x 7.6"W x 6"H
Item Weight	2.3 Pounds

OREiN 3 Heads Flood Lights

LED Beams	36	72	96
Lumen/Watt	3500LM/26W	4500LM/30W	2400LM/6500LM/42W
Senser Features	240°/40FT	240°/40FT	180°/75FT
Light Mode	3Modes	3Modes	4Modes
Lighting Area Range	3500 sq.ft	4500 sq.ft	6000 sq.ft
Applications	Front Door, Stairs	Garage, Yard	Swimming Pools, Big Patio
Hardwired	2 Wires	2 Wires	3 Wires
Material	Durable ABS	Durable ABS	Solid Aluminum

Figure 12: Comparison table of OREiN 3-head flood lights, highlighting specifications.

6. MAINTENANCE

To ensure optimal performance and longevity of your OREiN Flood Light, regular maintenance is recommended:

- **Cleaning:** Periodically wipe the light fixture and motion sensor lens with a soft, damp cloth to remove dust, dirt, or debris. Avoid using abrasive cleaners or solvents.
- **Inspection:** Annually inspect the wiring and connections for any signs of wear, damage, or corrosion. Ensure all screws and mounting hardware remain tight.
- **Sensor Check:** Test the motion sensor periodically (using TEST mode) to ensure it is functioning correctly and its detection range is not obstructed.

7. TROUBLESHOOTING

If you encounter issues with your OREiN Flood Light, refer to the following common troubleshooting steps:

- **Light will not turn on:**
  - Ensure the light switch is ON.

- Verify the wiring connections are correct and secure.
- Check the fuse or turn the circuit breaker off and on.
- Recheck after dark, as the D2D or AUTO modes require low ambient light.
- Re-aim the motion sensor to cover the desired area.

- **Lights stay on continuously:**

  - Do not use a dimmer or timer to control the light fixture, as this can interfere with its internal modes.
  - Reposition the lamp heads away from the motion sensor to prevent self-triggering.
  - Adjust the SENS (sensitivity) dial to a lower setting if the light is triggering too frequently due to distant or minor movements.

- **Light flickers or is dim:**

  - Ensure the power supply is stable and meets the product's voltage requirements (220 Volts).
  - Check for loose wiring connections.
  - Clean the light heads and sensor lens.

8. WARRANTY AND SUPPORT

OREiN provides a **24-month Warranty** for this product. For any issues or inquiries, please contact OREiN customer support.

Customer Support:

- Phone Support: 1-844-506-1530 (available during working hours)
- Online Help: 7*8 hrs online assistance

Global Sales

More Than 20 Countries

- North America
- Mexico
- France
- Japan
- Brazil
- Germany
- Russia
- Korea

Figure 13: Image representing customer support availability.