OREiN OL2700156

OREiN LED Floodlight with Motion Sensor User Manual

Model: OL2700156

1. Introduction

Thank you for choosing the OREiN LED Floodlight with Motion Sensor. This product is designed to provide powerful, versatile, and energy-efficient outdoor lighting for your garage, yard, front door, and other outdoor areas. Featuring adjustable color temperatures, multiple operating modes, and a durable, waterproof design, this floodlight enhances both security and ambiance. Please read this manual carefully before installation and use to ensure proper operation and safety.



Figure 1: OREiN LED Floodlight with Motion Sensor.

2. Safety Instructions

Always follow basic safety precautions when installing and operating electrical products to reduce the risk of fire, electric shock, and personal injury.

- **Disconnect Power:** Always turn off the power at the circuit breaker before installing, servicing, or cleaning the fixture.
- **Qualified Electrician:** Installation should be performed by a qualified electrician or a person familiar with the construction and operation of the product and the hazards involved.
- **Grounding:** Ensure the fixture is properly grounded to avoid potential electric shock.
- **Wiring:** All wiring connections must be made in accordance with local and national electrical codes.
- **Avoid Direct Exposure:** Do not look directly into the LED light when it is illuminated.
- **Operating Temperature:** Do not operate the fixture in temperatures outside its specified range.

- **Damage Check:** Inspect the product for any damage before installation. Do not install if damaged.

3. Product Features & Components

The OREiN LED Floodlight is engineered for optimal outdoor performance.

3.1 Key Features

- **Adjustable Color Temperature (CCT):** Choose between 2700K (Warm White), 4000K (Neutral White), and 6500K (Cool White) to suit different environments and preferences.
- **High Brightness:** Delivers 2800 lumens at 24W, equivalent to a 200W traditional floodlight.
- **Wide Coverage:** Illuminates an area of 116 with a 12.2-meter diameter.
- **Sensitive PIR Motion Sensor:** Detects motion within a 180° angle and up to 12 meters.
- **Durable & Waterproof:** Constructed with high-density ABS material and rated IP65 for excellent performance in various weather conditions.
- **Long Lifespan:** Boasts a lifespan of 50,000 hours, or approximately 22 years with 7 hours/day use.

3.2 Components Overview



Figure 2: Product dimensions and adjustable angles. The light panel can be adjusted 120° left/right and 90° up/down. The sensor can be

adjusted 180° up/down and 350° left/right.



Figure 3: The floodlight offers three distinct color temperatures: 2700K (Warm White), 4000K (Neutral White), and 6500K (Cool White).



Figure 4: The IP65 waterproof rating ensures the floodlight functions reliably even in heavy rain.

3.3 Sensor Adjustment Knobs



Figure 5: Sensor adjustment knobs.

- **TIME:** Adjusts the illumination duration after motion detection (10 seconds to 8 minutes).
- **SENS:** Controls the detection range of the sensor (4-12 meters).
- **LUX:** Sets the light sensitivity of the sensor. Adjust for day/night sensing.

4. Installation Guide

The OREiN LED Floodlight is designed for easy installation. Please follow these steps carefully:

1. **Prepare the Mounting Surface:** Turn off the power at the main switch. Drill holes at the desired mounting location and insert plastic plugs (if mounting on masonry).
2. **Thread Wires:** Carefully thread the electrical wires through the designated opening on the fixture's base.
3. **Connect Wires:** Connect the live, neutral, and ground wires from your electrical supply to the corresponding

terminals on the floodlight. Ensure connections are secure.

4. **Secure Terminal Block:** Screw the terminal block cover to protect the connections.
5. **Cover Sealing Pad:** Place the sealing pad over the wiring compartment to ensure a waterproof seal.
6. **Mount the Light:** Securely fasten the floodlight to the mounting surface using screws. Ensure the fixture is stable.

NOTE: No metal box is required for installation. Please refer to the installation diagrams for visual guidance.



Figure 6: Step-by-step installation process.



Figure 7: Simplified installation diagram.

5. Operating Modes

The OREiN LED Floodlight offers three distinct operating modes, easily switchable via your manual light switch:

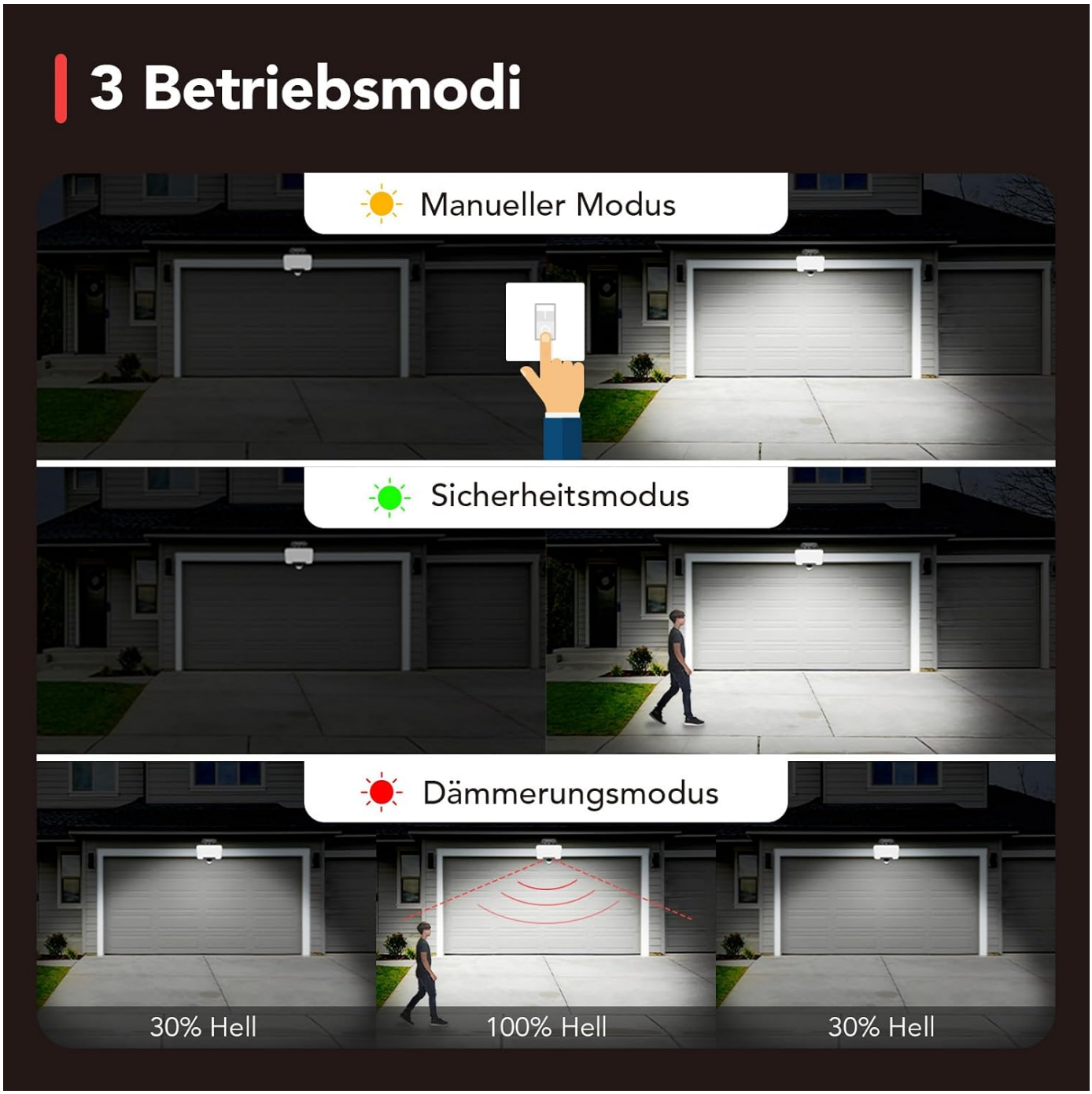


Figure 8: Overview of the three operating modes.

5.1 Mode Selection

To cycle through the modes, quickly toggle your manual light switch OFF and ON. The light will indicate the current mode by flashing a specific color:

- **Security Mode (Green Flash):** The light turns on at 100% brightness when motion is detected, then turns off after the set time delay. This mode is ideal for security purposes.
- **Dim Mode (Red Flash):** The light automatically turns on at 30% brightness at dusk. When motion is detected, it switches to 100% brightness, then returns to 30% dim after the set time delay.
- **Manual Mode (Yellow Flash):** The light functions as a standard floodlight, turning on and off via the manual switch. The motion sensor is inactive in this mode.

5.2 Demonstrations

Watch the following videos for a visual demonstration of the floodlight's features and modes:

Video 1: Demonstrates the three operating modes of the OREiN floodlight.

Video 1: Demonstrates the three operating modes of the OREiN floodlight.

Video 2: Shows the adjustable color temperature (CCT) feature and motion sensor in action.

Video 3: Highlights the super bright illumination and motion detection capabilities.

6. Maintenance

The OREiN LED Floodlight requires minimal maintenance due to its durable construction and IP65 waterproof rating.

- **Cleaning:** Periodically clean the lens and sensor with a soft, damp cloth to ensure optimal light output and sensor performance. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check the mounting and wiring connections for any signs of wear or damage. Ensure the sealing pad is intact.
- **No User-Serviceable Parts:** There are no user-serviceable parts inside the fixture. Do not attempt to open or repair the unit.

7. Troubleshooting

If you encounter issues with your OREiN LED Floodlight, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; Loose wiring; Faulty sensor.	Check circuit breaker; Ensure all wires are securely connected; Test sensor sensitivity (LUX setting).
Light stays on constantly.	Sensor in Manual Mode; Continuous motion detected; LUX setting too high.	Toggle switch to change mode; Ensure no constant motion in detection area; Adjust LUX setting to a lower sensitivity.
Light flashes or flickers.	Unstable power supply; Loose connection; Interference.	Check power source stability; Re-check wiring connections; Ensure no strong electromagnetic interference nearby.
Motion sensor not detecting.	SENS setting too low; Obstruction in detection path; Sensor dirty.	Increase SENS setting; Clear any obstructions; Clean the sensor lens.
Light turns off too quickly/slowly.	TIME setting incorrect.	Adjust the TIME knob to the desired duration.

If the problem persists after trying these solutions, please contact OREiN customer support.

8. Technical Specifications

Specification	Value
Product Dimensions	18 x 15 x 10 cm
Weight	760 Grams

Specification	Value
Manufacturer	OREiN
Model Number	OL2700156
ASIN	B0BPX1ZZXJ
Country of Origin	China
Brand	OREiN
Color	Cct-1 Piece
Material	Polycarbonate (PC)
Style	Modern
Bulb Shape	Floodlight
Luminous Flux	2800 LM
Wattage	24W
Color Temperature	2700K / 4000K / 6500K
Waterproof Rating	IP65
Lifespan	50,000 Hours

8.1 Energy Efficiency

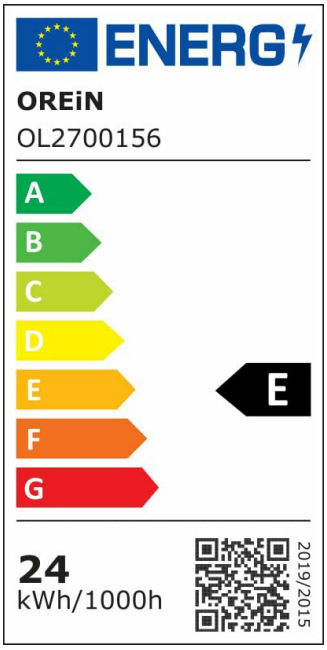


Figure 9: Energy Efficiency Label (Class E).

For detailed product fiche information, please visit:https://eprel.ec.europa.eu/qr/1264492

9. Warranty & Support

OREiN stands behind the quality of its products.

- **Warranty:** This product comes with a 24-month warranty from the date of purchase.
- **Customer Support:** Our dedicated customer support team is available 7 days a week, 24 hours a day, to assist you with any questions or concerns regarding your motion sensor outdoor light.

Please retain your proof of purchase for warranty claims.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question