

## OREiN OL27002

# OREiN 3CCT Flood Lights Outdoor Instruction Manual

Model: OL27002

## 1. INTRODUCTION

Thank you for choosing the OREiN 3CCT Flood Light. This outdoor security light is designed to provide versatile and efficient illumination for your garage, yard, or other outdoor spaces. Featuring adjustable color temperature, multiple lighting modes, and a sensitive motion sensor, it enhances both security and convenience. Please read this manual thoroughly before installation and use to ensure proper operation and safety.



Image: The OREiN 3CCT Flood Light with examples of its 2700K (warm), 4000K (natural), and 6500K (cold) light outputs.

## 2. PRODUCT FEATURES

- **3-in-1 Color Temperature (3CCT):** Offers selectable color temperatures of 2700K (Warm White), 4000K (Natural White), and 6500K (Cool White) to suit different preferences and environments. *Note: This model does not support brightness adjustment.*
- **Super Bright & Energy Efficient:** Equipped with 122 high-end LED beads, providing 3500 lumens of brightness at 35W, capable of covering up to 3500 sq.ft. Designed to save up to 80% on electricity bills compared to traditional bulbs.
- **Multiple Lighting Modes:**
  - **Manual Mode:** Light is controlled by a manual switch (on/off).
  - **Security Mode:** Light activates only upon motion detection.

- **Dimmable Dusk to Dawn Mode (D2D):** Automatically turns on at dusk with 30% brightness, increases to 100% brightness upon motion detection, and turns off at dawn.
- **Adjustable Motion Sensor:** Features a 180° wide sensing angle and can detect motion up to 40ft away. Sensing distance (SENS) and time (TIME) are freely adjustable.
- **Durable & Weatherproof:** Constructed with aluminum and polycarbonate, rated IP65 waterproof for outdoor use. Offers excellent heat dissipation, anti-UV, and anti-breakage properties, ensuring a long lifespan of 50,000 hours.
- **Hardwired Installation:** Designed for secure hardwired connection to a junction box.

### 3. PACKAGE CONTENTS

Please check the package contents to ensure all items are present and undamaged:

- 1 x OREiN 3CCT Flood Light Fixture with LED Lens and Reflector
- 1 x Mounting Hardware Kit (includes mounting plate, wire nuts, screws)
- 1 x User Manual (this document)

### 4. SPECIFICATIONS

Attribute	Detail
Brand	OREiN
Model Name	OL27002
Light Source Type	LED (122 beads)
Brightness	3500 Lumens
Wattage	35 Watts
Color Temperature	2700K / 4000K / 6500K (Selectable)
Voltage	120 Volts
Material	Aluminum, Polycarbonate
Product Dimensions	7.7"L x 4.3"W x 5.3"H
Item Weight	2.2 Pounds
Water Resistance Level	IP65 Waterproof
Motion Sensor Angle	180°
Motion Sensor Distance	Up to 40ft
Lifespan	50,000 hours
Certifications	CE, FCC, RoHS

### 5. INSTALLATION GUIDE

This OREiN flood light is designed for hardwired installation to a standard junction box. Please ensure the power is turned off at the circuit breaker before beginning installation.

## 5.1 Safety Precautions

- Always turn off power at the circuit breaker before installation or maintenance.
- Ensure proper grounding to avoid electrical shock.
- If you are unsure about electrical wiring, consult a qualified electrician.
- Wear appropriate safety gear, including gloves and eye protection.

## 5.2 Tools Required (Not Included)

- Screwdriver (Phillips head)
- Wire strippers
- Electrical tape
- Ladder (if necessary)

## 5.3 Installation Steps

Follow these steps to install your OREiN flood light:

1. **Prepare the Junction Box:** Ensure the existing junction box is securely mounted and the power is off. Pull the house wiring through the center of the mounting plate.



Image: Product dimensions and mounting plate details for hardwired installation.

2. **Attach Mounting Plate:** Fix the provided mounting plate to the junction box using the screws from the

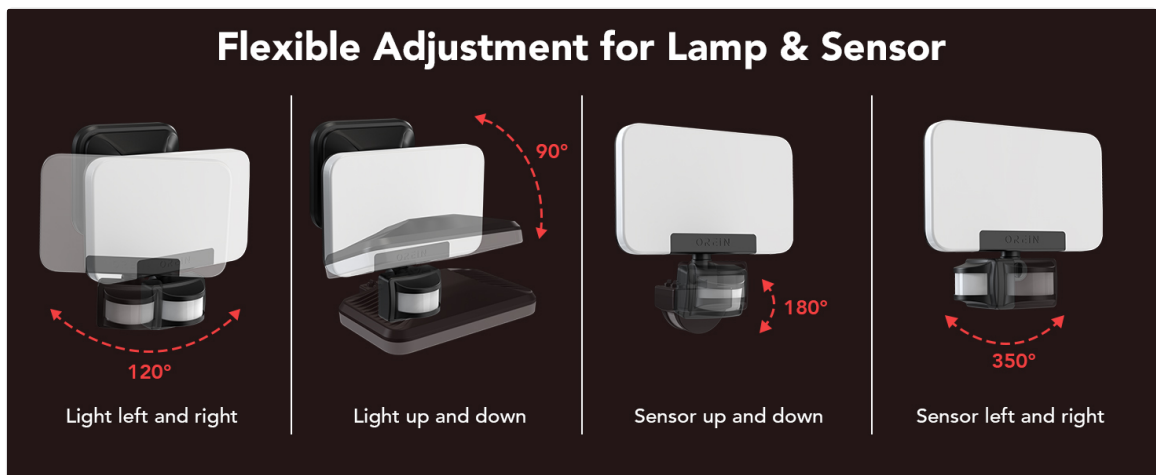
hardware kit. Ensure it is flush and level.

3. **Connect Wiring:** Connect the wires from the flood light to the house wiring using the provided wire nuts.
  - Connect the **black** wire from the light to the **live (black)** wire from the house.
  - Connect the **white** wire from the light to the **neutral (white)** wire from the house.
  - Connect the **ground (green or bare copper)** wire from the light to the **ground** wire from the house.

Secure all connections with electrical tape if desired.

*Image: Step-by-step visual guide for easy installation.*

4. **Mount the Light Fixture:** Carefully push the connected wires into the junction box. Align the light fixture with the mounting plate and secure it using the remaining screws.
5. **Adjust Light and Sensor:** Adjust the angle of the light head and the motion sensor to cover your desired area. The light can be adjusted left/right (120°) and up/down (90°). The sensor can be adjusted up/down (180°) and left/right (350°).



*Image: Examples of soffit and narrow space mounting.*

6. **Restore Power:** Once installation is complete and all connections are secure, turn the power back on at the circuit breaker.

## 6. OPERATING INSTRUCTIONS

Your OREiN flood light offers three distinct operating modes and adjustable settings for optimal performance.

### 6.1 Selecting Color Temperature (3CCT)

The flood light features a switch on the back of the fixture to select between three color temperatures:

- **2700K:** Warm White light, ideal for a cozy and inviting ambiance.
- **4000K:** Natural White light, providing a balanced and clear illumination.
- **6500K:** Cool White light, offering bright and crisp visibility.

# Warm to Cold Adjustable Light

**2700K**  
Warm Light



**4000K**  
Natural White Light



**6500K**  
Cold White Light



*Image: Visual representation of the three adjustable light temperatures.*

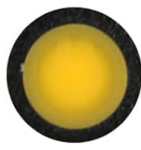
## 6.2 Understanding Lighting Modes

The flood light has a mode selector switch on the motion sensor. Choose from the following:

- **Manual Mode:** The light functions like a standard outdoor light, controlled by your wall switch. It will remain on as long as the switch is on.
- **Security Mode:** The light will only turn on when motion is detected within its sensing range and will turn off after a set time if no further motion is detected.
- **Dimmable Dusk to Dawn (D2D) Mode:** The light automatically turns on at dusk with 30% brightness. When motion is detected, it brightens to 100% and returns to 30% after motion ceases. It turns off completely at dawn. *Note: For daytime lighting, the LUX setting must be at the minimum position (20 LUX).*



# | 3 Light Modes



## MANUAL OVERRIDE Mode

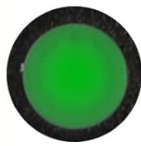
Manual to Open



OFF



100% brightness



## SECURITY Mode

Auto to Open



OFF



100% brightness



## D2D Mode

Auto to Open



OFF



20% brightness



100% brightness

Image: Explanation of Manual, Security, and Dimmable Dusk to Dawn modes.

# Dimmable Dusk to Dawn

Auto on in dusk, auto off in dawn



*Image: Detailed illustration of the Dimmable Dusk to Dawn mode.*

## 6.3 Motion Sensor Adjustments

The motion sensor has three adjustable knobs:

- **TIME:** Adjusts how long the light stays on after motion is detected (e.g., 10 seconds to 8 minutes).
- **SENS (Sensitivity):** Controls the detection range of the motion sensor (up to 40ft max).
- **LUX:** Determines the ambient light level at which the sensor activates. Set to minimum (20 LUX) for daytime operation.





*Image: Motion sensor adjustment controls and detection capabilities.*

## 7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your OREiN flood light.

- **Cleaning:** Periodically clean the light fixture and motion sensor lens with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish or components.
- **Connection Check:** Annually inspect the wiring connections at the junction box to ensure they remain secure. (Ensure power is off before inspection).
- **Weather Protection:** While the light is IP65 waterproof, ensuring proper installation and sealing around the junction box will maximize its resistance to harsh weather conditions.
- **Heat Dissipation:** The aluminum housing provides excellent heat dissipation. Ensure no obstructions block the heat sinks on the back of the fixture.

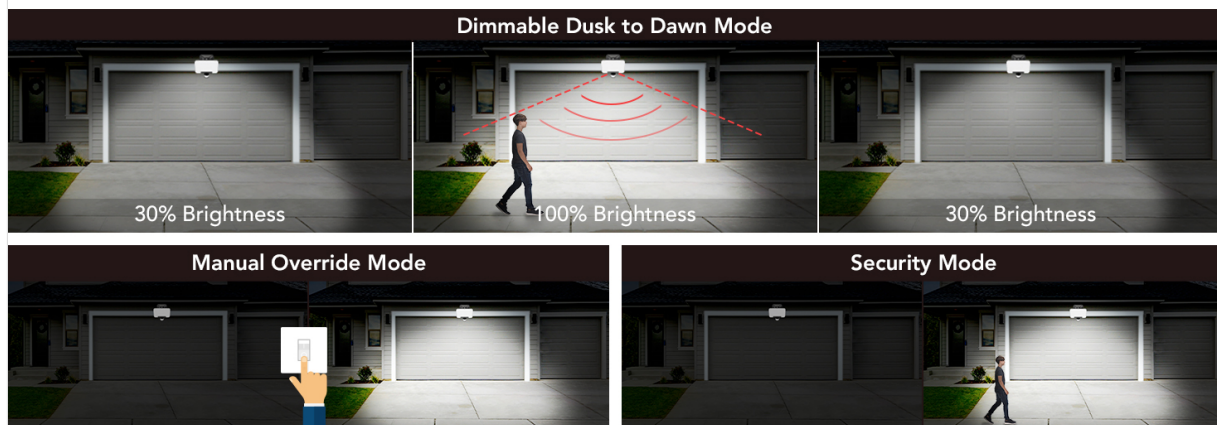


Image: Internal structure demonstrating excellent heat dissipation.



Image: Visual confirmation of IP65 waterproof rating.

## 8. TROUBLESHOOTING

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

Problem	Possible Cause & Solution
Light does not turn on.	<ul style="list-style-type: none"> <li>◦ <b>No Power:</b> Check the circuit breaker and wall switch to ensure power is supplied to the fixture.</li> <li>◦ <b>Incorrect Wiring:</b> Verify all wiring connections are secure and correctly matched (Live to Live, Neutral to Neutral, Ground to Ground).</li> <li>◦ <b>LUX Setting:</b> If in D2D or Security mode, the LUX setting might be too high for current ambient light. Adjust the LUX knob to a lower setting (e.g., 20 LUX for daytime testing).</li> <li>◦ <b>Sensor Obstruction:</b> Ensure the motion sensor is not blocked by debris or obstructions.</li> </ul>
Light stays on continuously.	<ul style="list-style-type: none"> <li>◦ <b>Mode Setting:</b> Ensure the light is not set to Manual Mode. Switch to Security or D2D mode.</li> <li>◦ <b>Constant Motion:</b> The sensor might be detecting continuous motion (e.g., tree branches, passing traffic). Adjust the SENS (sensitivity) knob to a lower setting or reposition the sensor.</li> <li>◦ <b>TIME Setting:</b> The TIME setting might be set to maximum. Adjust it to a shorter duration.</li> </ul>
Light flashes or flickers.	<ul style="list-style-type: none"> <li>◦ <b>Loose Connection:</b> Turn off power and check all wiring connections for looseness.</li> <li>◦ <b>Power Fluctuations:</b> Inconsistent power supply can cause flickering. Consult an electrician if this persists.</li> </ul>

Motion sensor not detecting.

- **SENS Setting:** The SENS (sensitivity) knob might be set too low. Increase the sensitivity.
- **Sensor Angle:** The sensor might not be angled correctly to cover the desired detection area. Adjust its position.
- **Obstructions:** Objects like walls, large plants, or furniture might be blocking the sensor's field of view.
- **Temperature:** Extreme temperatures can sometimes affect sensor performance.

9. WARRANTY AND SUPPORT

OREiN products are built with quality and durability in mind. Your OREiN 3CCT Flood Light comes with a **12-month warranty** from the date of purchase.

If you have any questions, require technical assistance, or need to claim warranty service, please do not hesitate to contact our customer support team. We are committed to providing high-quality service within 24 hours.

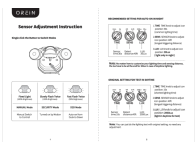

**Customer Support:**


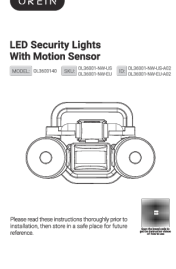


**Phone:** 1(844)506-1530

**Service Hours:** 24-Hour Service

**Online:** Search for "OREiN" on Amazon or the internet to find our official contact channels.

Related Documents - OL27002

	<p><a href="#">OREIN Sensor Adjustment Instructions</a></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><a href="#">OREiN Motion Sensor Security Light Outdoor User Manual</a></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<sup>®</sup> MODEL SLFAL01LM416001</p> <p>USE AND CARE GUIDE</p> <p>LED Area Light</p> <p>Please read these instructions thoroughly prior to installation, then store in a safe place for future reference.</p>	<p><a href="#">Orein LED Area Light Use and Care Guide</a></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</p> <p>LED Security Lights With Motion Sensor</p> <p>MODEL OL3600140</p> <p>Please read these instructions thoroughly prior to installation, then store in a safe place for future reference.</p>	<p><a href="#">OREIN LED Security Lights with Motion Sensor: Installation and Operation Guide</a></p> <p>Detailed installation, setup, and troubleshooting guide for the OREIN LED Security Lights with Motion Sensor (Model OL3600140). Learn about sensor settings, operating modes, and product specifications.</p>
 <p>OREiN</p> <p>Smart Motion Sensor Outdoor Lights</p> <p>MODEL OL36002440</p> <p>Please read these instructions thoroughly prior to installation, then store in a safe place for future reference. For the App connection, please refer to the last part of page 33-34.</p>	<p><a href="#">OREiN Smart Motion Sensor Outdoor Lights OL36002440 Installation and User Manual</a></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>
 <p>OREiN</p> <p>Outdoor Smart Flood Light With Motion Sensor</p> <p>MODEL OL27002546</p> <p>Please read these instructions thoroughly prior to installation, then store in a safe place for future reference. For the APP control instructions, please refer to page 11-13.</p>	<p><a href="#">OREIN Outdoor Smart Flood Light With Motion Sensor OL27002546 User Manual</a></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>