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› [ALUSSO Solar Outdoor Motion Sensor Light OT05 Instruction Manual](#)

ALUSSO OT05

ALUSSO Solar Outdoor Motion Sensor Light (Model OT05) Instruction Manual

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1. INTRODUCTION

Thank you for choosing the ALUSSO Solar Outdoor Motion Sensor Light, Model OT05. This manual provides detailed instructions for the safe and efficient use of your new solar light. This product is designed to provide adjustable, motion-activated lighting for outdoor areas such as gardens, yards, garages, and porches, utilizing solar power for energy efficiency.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and use.
- Do not disassemble, repair, or modify the product. This may cause damage, electric shock, or fire, and will void the warranty.
- Ensure the solar panel is installed in a location that receives direct sunlight for at least 6-8 hours daily for optimal charging.
- Keep the product away from fire and high temperatures.
- Do not immerse the product in water. While it is IP54 waterproof, prolonged submersion can cause damage.
- Clean the solar panel regularly to ensure efficient charging.
- Use only the provided Type-C charging cable for emergency charging.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

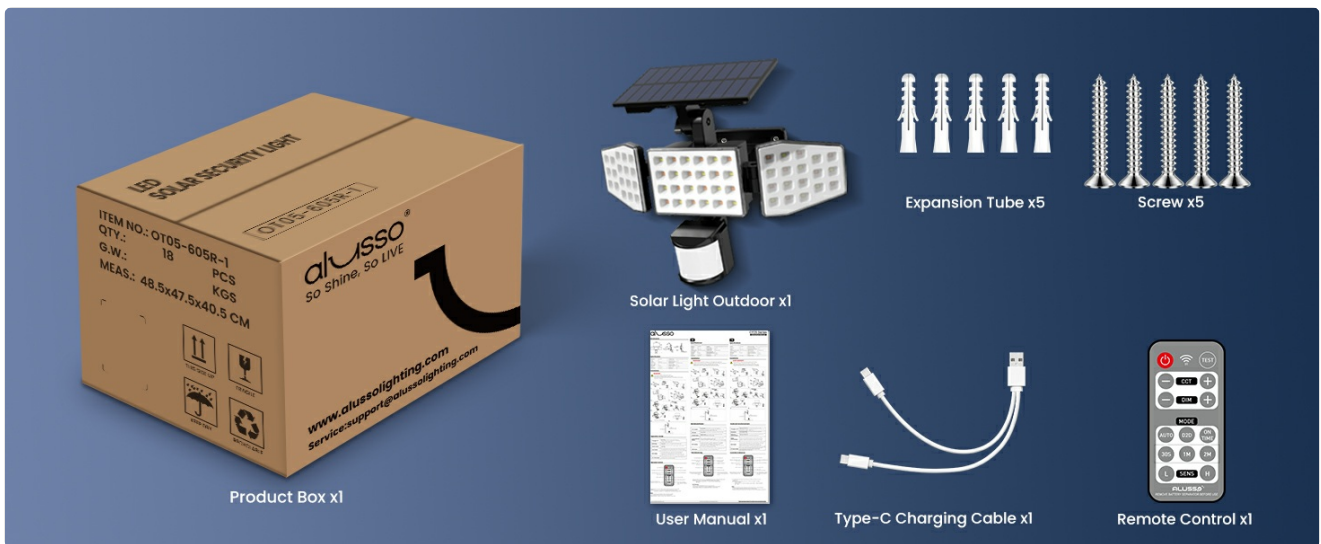


Image: Contents of the ALUSSO Solar Light package, showing the solar light unit, remote control, user manual, Type-C charging cable, expansion tubes, and screws.

- Solar Light Outdoor x1
- Remote Control x1
- User Manual x1
- Type-C Charging Cable x1
- Expansion Tube x6
- Screw x5

4. PRODUCT OVERVIEW

The ALUSSO Solar Outdoor Motion Sensor Light features three adjustable light heads, a motion sensor, and a separate solar panel for flexible installation. It offers multiple lighting modes, adjustable color temperature, and dimming capabilities, all controllable via a remote.

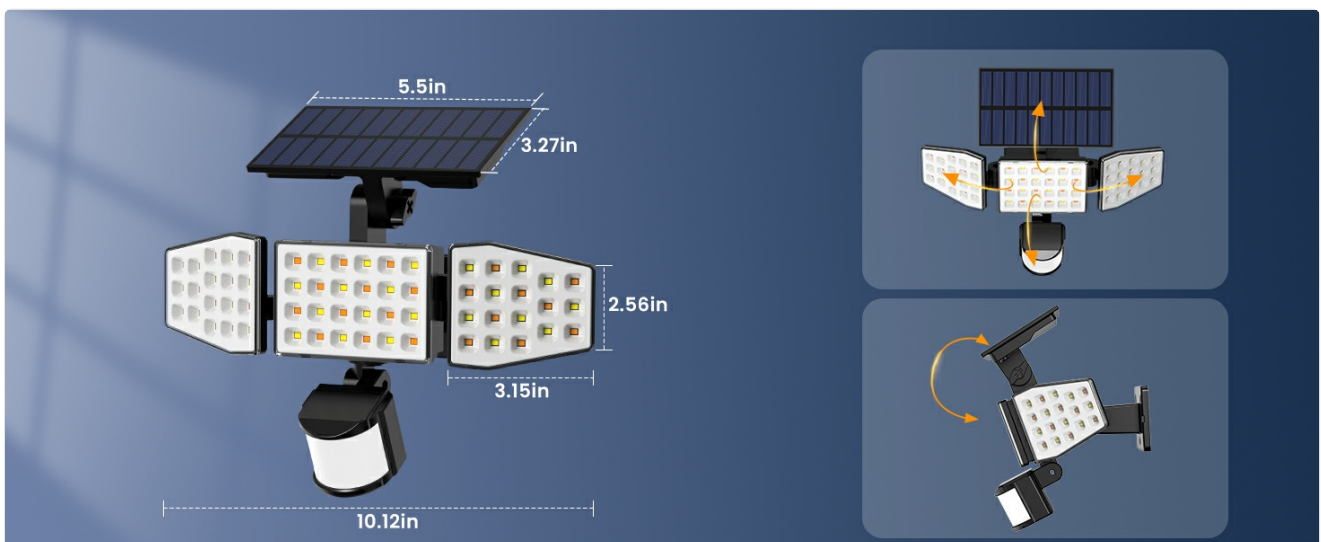


Image: Product diagram illustrating the dimensions (10.12in length, 2.56in height, 3.15in width for light heads, 5.51in x 3.27in for solar panel) and the adjustability of the three light heads and the motion sensor.

The light is constructed from durable ABS plastic with an IP54 waterproof rating, ensuring resistance to heat, corrosion, and frost for reliable outdoor performance.



Image: The ALUSSO solar light demonstrating its "All Weather Ready" features, including heat resistance, IP54 waterproof rating, and frost resistance, shown in sunny, rainy, and snowy environments.

5. SETUP & INSTALLATION

The ALUSSO Solar Light can be installed as a single unit or with the solar panel separated from the light body, connected by a cable, to optimize sun exposure for the panel.

5.1 Choosing an Installation Location

- **Solar Panel:** Select a location that receives direct sunlight for 6-8 hours daily for optimal charging. Avoid areas shaded by trees, buildings, or other obstructions.
- **Light Unit:** Choose a spot where the light can effectively illuminate the desired area. The motion sensor should have a clear line of sight to the detection zone. Recommended installation height is 2-3 meters (approximately 6.5-10 feet).

5.2 Installation Steps

1. **Prepare the Mounting Surface:** Mark the desired drilling points for the light unit and, if separating, for the solar panel.
2. **Drill Holes:** Use an appropriate drill bit to create holes at the marked positions. Insert the expansion tubes into the drilled holes.
3. **Mount the Light Unit:** Secure the light unit to the wall or eaves using the provided screws. Ensure it is firmly attached.
4. **Mount the Solar Panel (if separate):** If installing the solar panel separately, mount it in a sunny location using the remaining screws.
5. **Connect the Solar Panel:** If the solar panel is separate, connect its cable to the light unit.
6. **Adjust Light Heads and Sensor:** Loosen the adjustment screws on the light heads and motion sensor. Position them to cover the desired lighting and detection areas. Tighten the screws once adjusted.



Image: The ALUSSO solar light installed on a house, illustrating its key features: AUTO/D2D/Always ON working modes, 46ft max detection distance, 3000K-6500K changeable color temperature, 10%-100% dimmable brightness, and dual charging methods (Solar & Type-C).

6. OPERATING INSTRUCTIONS

6.1 Initial Charging

For first-time use or after prolonged storage, it is recommended to fully charge the light. Place the solar panel in direct sunlight for 8-10 hours. Alternatively, use the provided Type-C cable to charge the unit for approximately 3.5 hours, especially if there is no sunlight for an extended period.



Image: Two charging methods are shown: Solar Charging (8-10 hours) with the solar panel exposed to sunlight, and Type-C Charging (3.5 hours) using a cable connected to a power source, recommended for initial or emergency charging.

6.2 Remote Control Functions

The included remote control allows for easy adjustment of the light's settings without needing to access the unit directly.

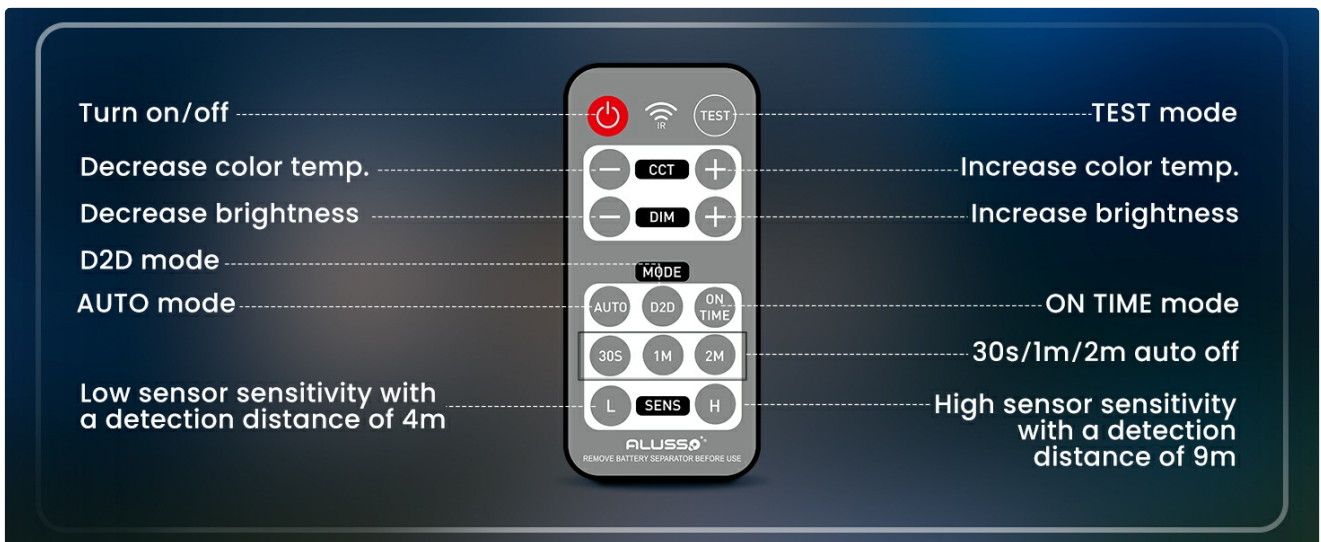


Image: A detailed diagram of the remote control, showing buttons for: Turn on/off, TEST mode, Decrease/Increase color temperature (CCT), Decrease/Increase brightness (DIM), D2D mode, AUTO mode, ON TIME mode, 30s/1m/2m auto off timer, Low sensor sensitivity (4m detection), and High sensor sensitivity (9m detection).

- **Power Button:** Turns the light ON or OFF.
- **TEST Mode:** Activates a test function for the motion sensor.
- **CCT +/-:** Adjusts the color temperature (3000K Warm White, 4000K Neutral White, 6500K Cool White).
- **DIM +/-:** Adjusts the brightness level (10% to 100%).
- **MODE Buttons (AUTO, D2D, ON TIME):** Selects the desired operating mode.
- **Timer Buttons (30S, 1M, 2M):** Sets the duration the light stays on after motion detection in AUTO or D2D modes.
- **SENS Buttons (L, H):** Adjusts motion sensor sensitivity (L for 4m, H for 9m detection distance).

6.3 Lighting Modes

The light offers three distinct operating modes:

1. Auto Mode:

In dark environments, the light automatically turns on to 100% brightness when motion is detected. It turns off completely after 30 seconds, 1 minute, or 2 minutes (set by remote) if no further motion is detected.

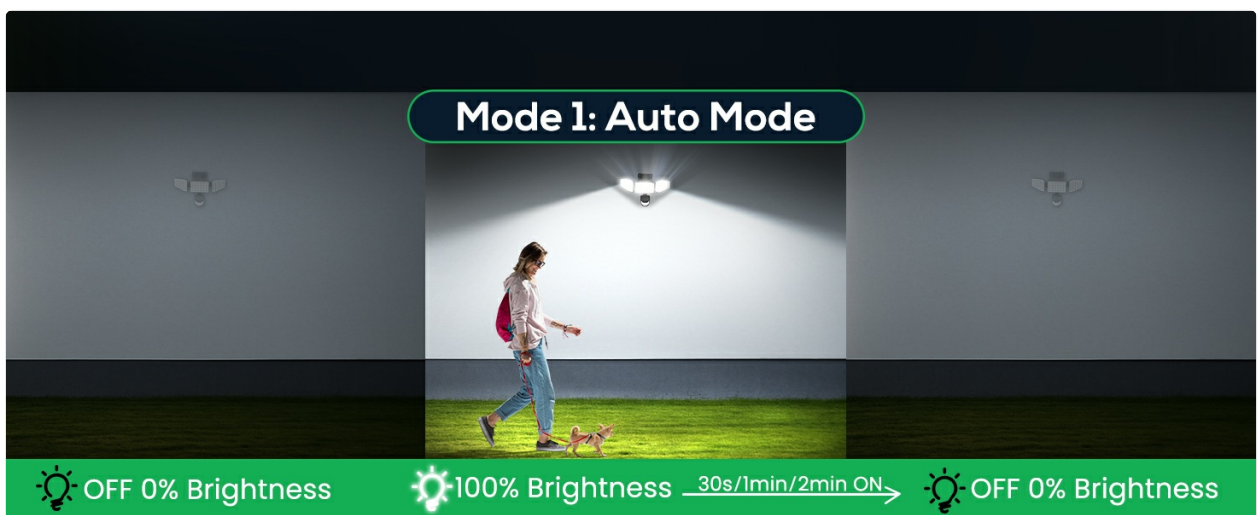


Image: Auto Mode operation, showing the light off at 0% brightness, activating to 100% brightness upon motion detection, and then turning off after a set time (30s/1min/2min) if no motion is detected.

2. Dusk to Dawn (D2D) Mode:

In dark environments, the light stays on at 10% brightness continuously. When motion is detected, it brightens to 100%. After 30 seconds, 1 minute, or 2 minutes (set by remote) of no motion, it returns to 10% brightness.



Image: Dusk to Dawn (D2D) Mode operation, showing the light dim at 10% brightness, activating to 100% brightness upon motion detection, and then returning to 10% brightness after a set time (30s/1min/2min) if no motion is detected.

3. Always ON Mode:

The light will stay on for 30 minutes at a constant brightness (adjustable via DIM buttons) in both bright and dark ambient conditions. After 30 minutes, it automatically switches to AUTO mode.



Image: Always ON Mode operation, showing the light staying on for 30 minutes in both bright and dark ambient conditions, then automatically entering AUTO mode.

6.4 Adjusting Color Temperature (CCT)

Use the "CCT +" or "CCT -" buttons on the remote control to cycle through the available color temperatures:

- **3000K Warm White:** Provides a soft, yellowish light.
- **4000K Neutral White:** Offers a balanced, natural white light.
- **6500K Cool White:** Delivers a bright, bluish-white light.

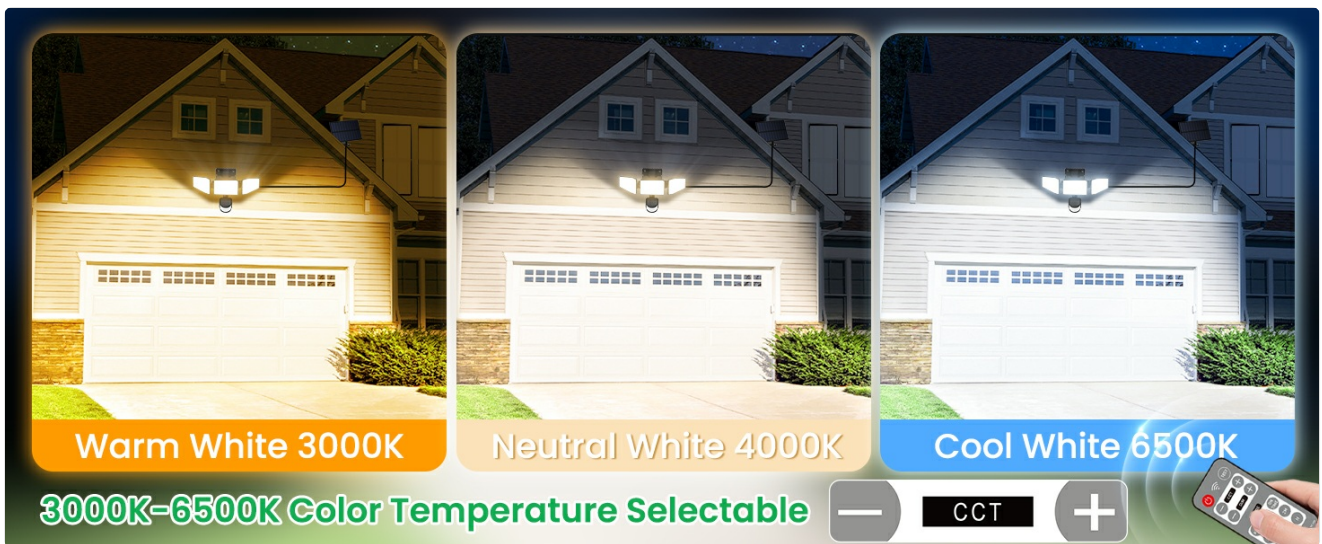


Image: The ALUSSO solar light displaying its three color temperature options: Warm White (3000K), Neutral White (4000K), and Cool White (6500K), with the remote control indicating CCT adjustment.

6.5 Adjusting Brightness (Dimming)

Use the "DIM +" or "DIM -" buttons on the remote control to adjust the brightness from 10% to 100%.

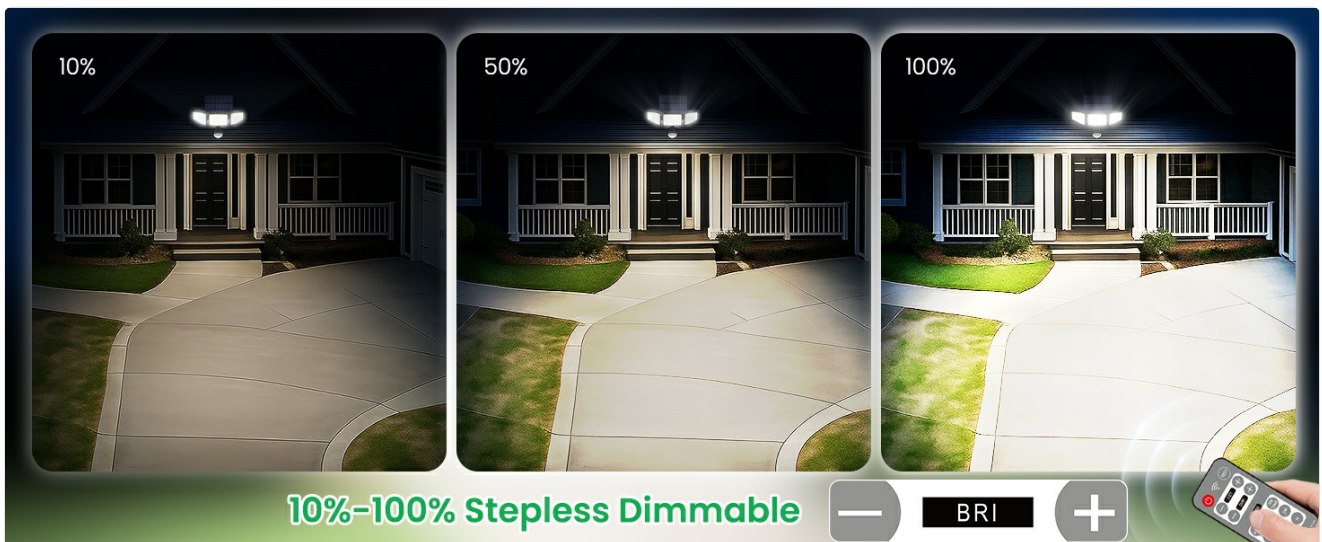


Image: The ALUSSO solar light showing different brightness levels (10%, 50%, 100%) to illustrate its 10-100% stepless dimmable feature, with the remote control indicating brightness adjustment.

6.6 Motion Sensor

The integrated motion sensor detects movement within its range and angle. The detection angle is 120 degrees, and the maximum detection distance is 46 feet (approximately 14 meters).

- Use the "SENS L" (Low) button for a detection distance of 4 meters.
- Use the "SENS H" (High) button for a detection distance of 9 meters.

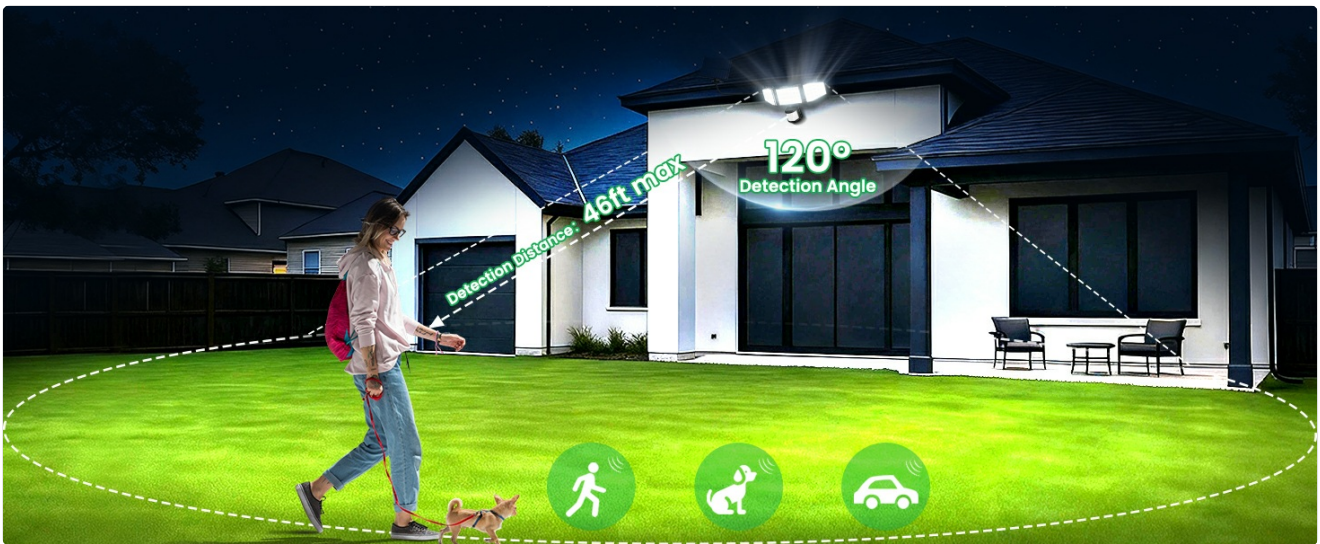


Image: The ALUSSO solar light's motion sensor capabilities are depicted, showing a 120-degree detection angle and a maximum detection distance of 46 feet (approx. 14 meters), with icons representing detection of people, pets, and vehicles.

7. MAINTENANCE

- **Cleaning:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures maximum charging efficiency.
- **Inspection:** Periodically check the light unit and solar panel for any signs of damage or loose connections.
- **Battery Care:** To prolong battery life, ensure the light receives adequate sunlight for charging. If storing the light for an extended period, fully charge it before storage and recharge every few months.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	<p>Insufficient solar charge.</p> <p>Solar panel is dirty or obstructed.</p> <p>Light sensor is detecting ambient light.</p> <p>Battery is depleted or faulty.</p>	<p>Ensure solar panel receives 6-8 hours of direct sunlight daily.</p> <p>Clean the solar panel. Remove any obstructions.</p> <p>Relocate the light or solar panel away from other light sources.</p> <p>Charge via Type-C cable. If issue persists, contact support.</p>
Light stays on continuously or flashes.	<p>Incorrect mode setting.</p> <p>Motion sensor is continuously triggered.</p>	<p>Check remote control settings and ensure the desired mode (e.g., AUTO) is selected.</p> <p>Adjust the motion sensor's angle or sensitivity (SENS L/H) to avoid constant triggers from moving objects (trees, traffic).</p>

Problem	Possible Cause	Solution
Remote control not working.	Battery in remote is dead. Obstruction between remote and light. Remote is too far from the light.	Replace the remote control battery. Ensure a clear line of sight. Operate the remote within 33 feet (10 meters) of the light.
Light is dim or not bright enough.	Insufficient charge. Brightness setting is low.	Ensure adequate solar charging. Increase brightness using the "DIM +" button on the remote.

9. SPECIFICATIONS

Feature	Detail
Brand	ALUSSO
Model Number	OT05
Color	Black
Material	Plastic
Power Source	Solar Powered
Light Source	LED
Number of Light Sources	3 Heads
Voltage	3.7 Volts
Wattage	5 watts
Brightness	400 Lumen
Efficiency	80 lm/W
Light Color	3000K Warm White, 4000K Neutral White, 6500K Cool White (Adjustable)
Dimming	10-100% Dimmable
Motion Sensor Detection Angle	120 degrees
Motion Sensor Detection Distance	Up to 46 ft (approx. 14m), adjustable sensitivity (4m/9m)
Control Method	Remote Control
Water Resistance Level	IP54 Waterproof
Dimensions (Light Unit)	10.12"L x 2.56"W x 2.56"H
Certifications	FCC, CE
Installation Type	Wall Mount

10. WARRANTY & SUPPORT

The ALUSSO Solar Outdoor Motion Sensor Light (Model OT05) comes with a **2-year replacement support warranty**. For any questions, technical assistance, or warranty claims, please contact ALUSSO customer support. Contact information can typically be found on the product packaging or the official ALUSSO website. ALUSSO strives to provide excellent lighting solutions and customer service. Please retain your purchase receipt for warranty purposes.