

CLAONER SL281AB

CLAONER SL281AB Solar Outdoor Motion Sensor Lights User Manual

Model: SL281AB | Brand: CLAONER

1. INTRODUCTION

Thank you for choosing CLAONER Solar Outdoor Motion Sensor Lights. This manual provides essential information for the safe and efficient operation of your new solar lights. Designed for outdoor use, these lights offer bright illumination, motion detection, and multiple lighting modes, all powered by solar energy. Please read this manual thoroughly before installation and use, and retain it for future reference.

2. SAFETY INFORMATION

- Ensure the installation location receives ample direct sunlight for optimal charging.
- Do not disassemble, repair, or modify the product yourself. Contact customer support if service is required.
- Keep the product away from fire or high temperatures.
- Avoid direct eye exposure to the LED light, as it can cause discomfort.
- Ensure the mounting surface is sturdy enough to support the light.

3. PRODUCT OVERVIEW

The CLAONER SL281AB Solar Outdoor Motion Sensor Light features a 3-head design for wide-angle illumination, a high-efficiency solar panel, and innovative visual indicators for battery level and active mode.

 Solar Charging (0 Electricity Bill)

 Dusk to Dawn Automation



Visible Power Status
(Know When to Charge)

Visual Mode Indicator
(Check Settings at a Glance)

Figure 3.1: Overall view of the CLAONER SL281AB Solar Outdoor Motion Sensor Light.

Key Features:

- **Ultra-Bright Illumination:** 3500 Lumens, 286 high-efficiency LED beads, 6500K cool white light.
- **Adjustable 3-Head Design:** Rotatable light heads for up to 270° wide-angle coverage.
- **Enhanced PIR Motion Sensor:** Detects movement within a 26ft range and 120° angle.
- **Visual Battery & Mode Display:** Real-time battery level indicator (25%-50%-75%-100%) and distinct color indicators (Red/Green/Blue) for active mode.
- **IP65 Waterproof:** Durable ABS material, resistant to rain, snow, frost, and high heat.
- **Wireless Installation:** No wiring or adapters needed.



Figure 3.2: Visual Battery and Mode Indicators.

4. SETUP AND INSTALLATION

The CLAONER Solar Outdoor Motion Sensor Lights are designed for easy, wireless installation.

Installation Steps:

1. **Choose a Location:** Select an outdoor location that receives direct sunlight for at least 6-8 hours daily to ensure optimal charging. Ensure the solar panel is not obstructed by shade.
2. **Mount the Bracket:** Use the provided mounting base and screws to securely fasten the bracket to your desired wall or surface.
3. **Attach the Light:** Slide the solar light unit onto the mounted bracket until it clicks securely into place.
4. **Adjust Light Heads:** Rotate the three light heads and the solar panel to achieve the desired illumination angle and optimal sun exposure.



Easy Installation



Figure 4.1: Easy Installation Guide.

Important Note: It is recommended to turn off the light and charge it under direct sunlight for 1-2 days before the first use to ensure the product has enough power.

5. OPERATING MODES

The light features a single push button to cycle through three intelligent lighting modes. The visual mode indicator (Red/Green/Blue) will show the active mode.

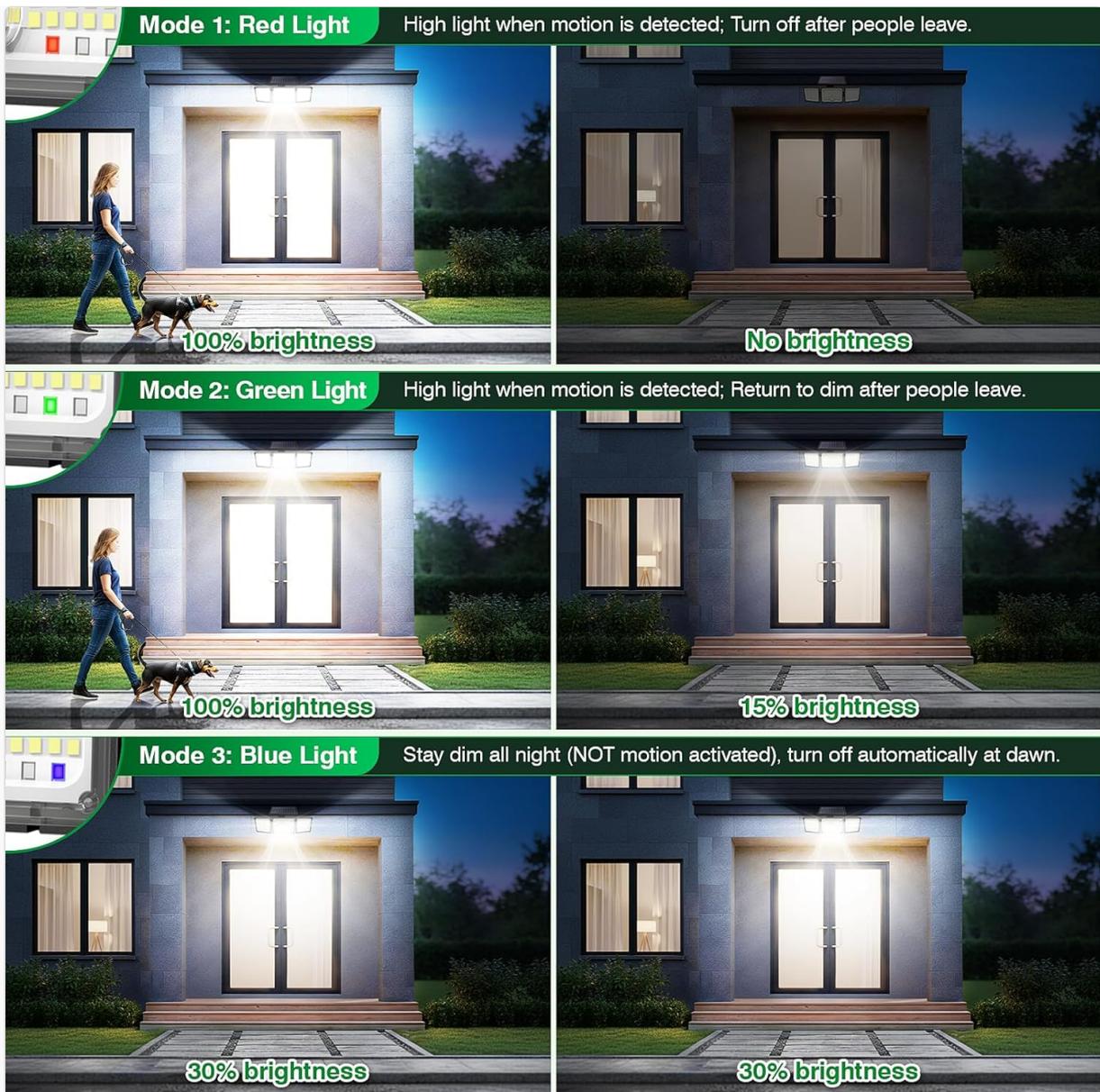


Figure 5.1: Three Intelligent Lighting Modes.

Mode Descriptions:

- Mode 1: Red Light (Security Mode)**
 Lights stay off until motion is detected. Upon detection, the light blasts high brightness (100%) for 20 seconds, then turns off if no further motion is detected.
- Mode 2: Green Light (Dusk-to-Dawn Mode)**
 The light stays on at a dim level (15%) all night. When motion is detected, it switches to high brightness (100%) for 20 seconds, then returns to dim.
- Mode 3: Blue Light (Constant Mode)**
 The light stays on at a medium level (30%) continuously throughout the night. The motion sensor is off in this mode. The light turns off automatically at dawn.

To switch modes, press the power button located on the back of the unit. The visual indicator will change color to reflect the selected mode.

Video 5.1: Official product video demonstrating the CLAONER Solar Motion Sensor Light's features and operation.

6. MAINTENANCE

- Cleaning:** Regularly clean the solar panel with a damp cotton cloth to ensure optimal performance and

battery charging. Dust and debris can reduce charging efficiency.

- **Placement:** Periodically check that the solar panel remains free from obstructions (e.g., leaves, snow) and is still positioned to receive maximum direct sunlight.
- **Weather Resistance:** The IP65 waterproof rating ensures the light can withstand various weather conditions, but extreme conditions may temporarily affect performance.

7. TROUBLESHOOTING

- **Light not turning on at night:** Ensure the solar panel is clean and receiving direct sunlight for at least 6-8 hours during the day. Check if the light is in the correct operating mode.
- **Motion sensor not working:** Verify the light is in Mode 1 (Red Light) or Mode 2 (Green Light). Ensure there are no obstructions blocking the sensor.
- **Light duration is short:** This may indicate insufficient charging. Relocate the light to an area with more direct sunlight or ensure the solar panel is clean. Battery performance can also be affected by extreme temperatures.
- **Light is dim:** Ensure the battery is fully charged. If the light is in Mode 2 or 3, it operates at a lower brightness level.

8. SPECIFICATIONS

Feature	Detail
Brand	CLAONER
Model Number	SL281AB
Light Source	286 LED
Brightness	3500 Lumens
Light Color	Cool White (6500K)
Motion Detection Range	Up to 26ft (8m)
Motion Detection Angle	120°
Illumination Angle	Up to 270° (adjustable heads)
Water Resistance	IP65 Waterproof
Power Source	Solar Powered
Control Method	Push Button
Material	Acrylonitrile Butadiene Styrene, Plastic
Item Dimensions (L x W x H)	10.23"L x 3.94"W x 3.54"H

9. WARRANTY AND SUPPORT

This CLAONER product comes with a **2-year manufacturer's warranty**. If you have any questions, concerns, or require technical assistance, please contact CLAONER customer support. For the quickest resolution, refer to the contact information provided with your purchase or visit the official CLAONER website.

