

## SOLLA GV008A10

# SOLLA LED Motion Sensor Security Light 5000LM User Manual

Model: GV008A10

## 1. INTRODUCTION

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Thank you for choosing the SOLLA LED Motion Sensor Security Light. This manual provides essential information for the safe installation, operation, and maintenance of your new security light. Please read these instructions thoroughly before installation and retain them for future reference.

### Important Safety Instructions

- Always disconnect power at the fuse box or circuit breaker before installation or servicing.
- Installation should be performed by a qualified electrician or in accordance with local electrical codes.
- Ensure the supply voltage is correct (230 Volts) before connecting the fixture.
- Do not look directly into the LED light source when illuminated, as it may cause eye damage.
- This product is designed for outdoor use and is IP65 rated for protection against dust and water jets.

## 2. PACKAGE CONTENTS

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Verify that all components are present before beginning installation:

- SOLLA LED Motion Sensor Security Light (1 unit)
- Mounting Plate (1 unit)
- Mounting Hardware (Screws, Wall Plugs, Screw Covers, Spacers)
- Silicone Plug (1 unit)
- Iron Plate (1 unit)
- Instruction Manual (this document)

## Mounting Accessories



**Figure 2.1:** Mounting Accessories. This image displays the main light fixture, mounting plate, various screws, a silicone plug, and an iron plate, all labeled as included components.

### 3. PRODUCT FEATURES

- **High Brightness & Energy Efficiency:** Equipped with high-quality LEDs, providing up to 5000 lumens of brightness. Features a specially designed optical filter for enhanced illumination and over 80% energy savings compared to traditional halogen bulbs.
- **Adjustable Brightness:** Customize brightness levels to 5000lm, 4000lm, or 3000lm to suit various lighting needs.
- **Flexible Motion Detector:** Highly sensitive motion sensor with adjustable detection distance (up to 22m) and lighting duration (1, 5, or 10 minutes).
- **IP65 Waterproof Rating:** Durable construction with an IP65 rating ensures reliable operation in various outdoor weather conditions, including rain, heat, and frost.
- **Adjustable Lamp Heads:** Three adjustable floodlight heads allow for flexible light direction to cover desired areas.



**Figure 3.1:** SOLLA LED Motion Sensor Security Light. This image shows the overall design of the security light, highlighting its three adjustable LED panels and the integrated motion sensor.



**Figure 3.2:** Internal Components. This diagram illustrates the layers of the light fixture, pointing out the anti-glare PC lens, the superior Osram LEDs, and the adjustable lamp heads.



**Figure 3.3:** Weather Resistance. The image depicts the security light functioning effectively in rainy conditions, emphasizing its IP65 waterproof, heat-resistant, and frost-resistant properties.

## 4. INSTALLATION GUIDE

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The SOLLA LED Motion Sensor Security Light can be installed via wall mounting or eave mounting. Follow these steps for a secure installation:

1. **Prepare Wiring:** Ensure power is off. Pull the electrical wires through the mounting surface.
2. **Mounting Plate Installation:** Secure the mounting plate to the wall or eave using the provided screws and wall plugs.
3. **Wire Connection:** Connect the household wiring to the fixture's wires according to local electrical codes (Live, Neutral, Ground). Ensure connections are secure.
4. **Attach Fixture:** Align the light fixture with the mounting plate and secure it with the remaining screws.
5. **Seal and Adjust:** Insert the silicone plug to seal the wiring entry point. Adjust the lamp heads to the desired angle.

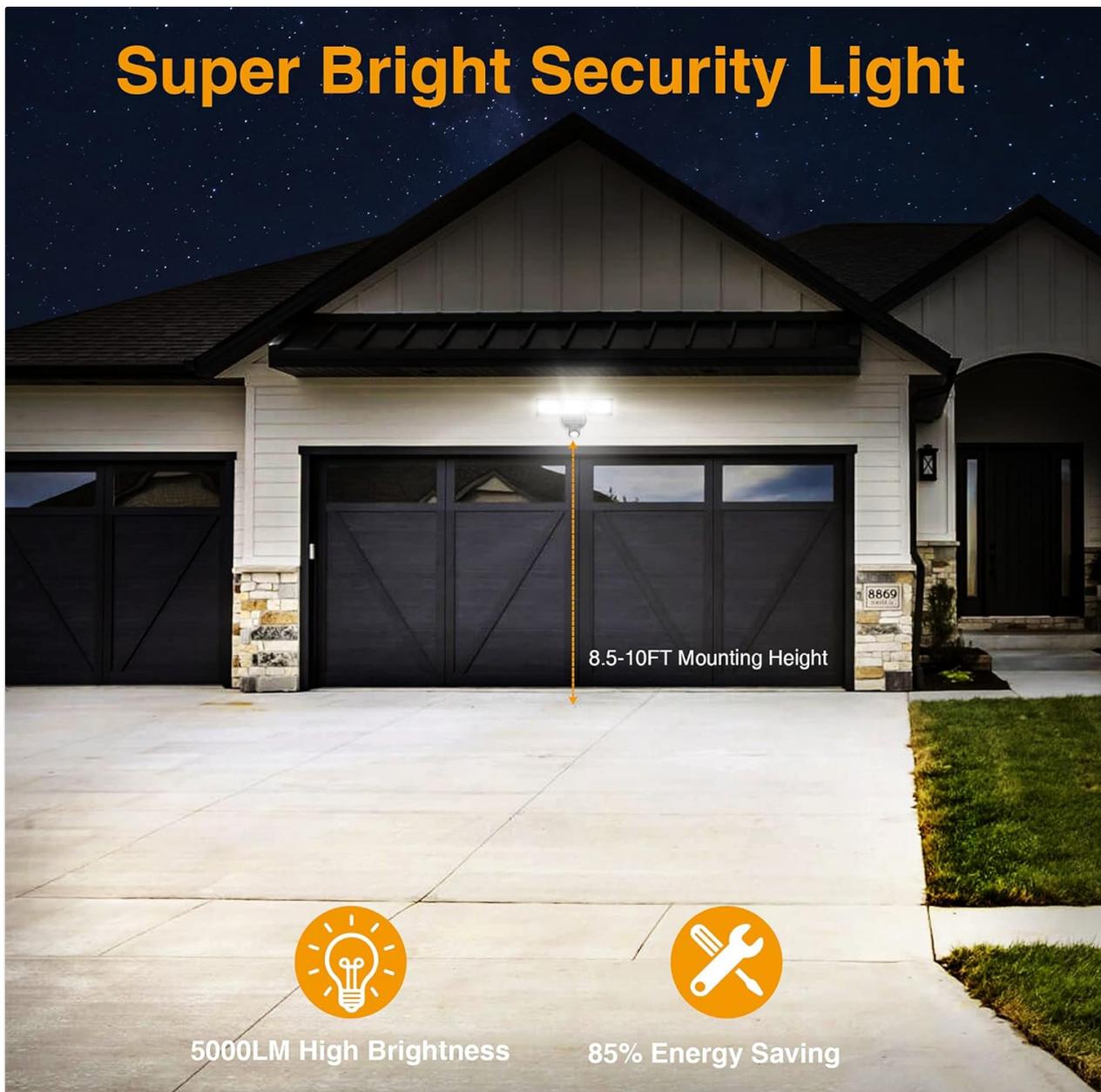


**Figure 4.1:** Installation Steps. This visual guide shows the sequence of installing the security light, including preparing the wiring, securing the mounting plate, connecting wires, attaching the fixture, and final adjustments.



**Figure 4.2:** Installation Tips. This image provides guidance on optimal mounting, showing that the motion sensor should be oriented outwards for effective detection, whether wall-mounted or eave-mounted.

**Recommended Mounting Height:** For optimal motion detection and light coverage, install the fixture at a height of 8.5-10 feet (approximately 2.6-3 meters).



**Figure 4.3:** Optimal Mounting Height. This image illustrates the recommended installation height for the security light above a garage, highlighting its high brightness and energy-saving capabilities.

## 5. OPERATING INSTRUCTIONS

The SOLLA security light offers two primary operating modes and adjustable settings for brightness, detection distance, and lighting duration.

### 5.1. Lighting Modes

The light features three main lighting modes, selectable via controls on the fixture:

- **Auto Mode:** The light activates at night only when motion is detected. It turns off after a set duration if no further motion is detected.
- **Dusk to Dawn Mode:** The light automatically turns on at dusk and off at dawn. In this mode, it illuminates at 50% brightness when no motion is detected for 10 minutes, and switches to 100% brightness upon motion detection.
- **Dim Mode:** This mode allows you to set a continuous brightness level (3000lm, 4000lm, or 5000lm) for constant illumination during nighttime hours.

# 3 Lighting Modes



**Figure 5.1:** Lighting Modes. This composite image visually explains the functionality of Dim Mode (showing different brightness levels), Auto Mode (responding to motion), and Dusk to Dawn Mode (automatic operation based on ambient light).

## 5.2. Adjustable Settings

The motion sensor and brightness can be adjusted using the controls on the fixture:

- **Brightness Adjustment:** Select between 3000lm, 4000lm, or 5000lm output.
- **Detection Distance:** Adjust the motion sensor's range to 6m, 12m, or 22m.
- **Lighting Duration:** Set how long the light stays on after motion is detected: 1 minute, 5 minutes, or 10 minutes.



**Figure 5.2:** Motion Detection Range. This image shows the wide detection area of the motion sensor, capable of sensing movement up to 72 feet away and covering a 180-degree angle, suitable for detecting people, pets, and vehicles.

## 6. MAINTENANCE

To ensure optimal performance and longevity of your SOLLA security light, follow these simple maintenance guidelines:

- **Cleaning:** Periodically clean the light fixture and motion sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the wiring and mounting hardware for any signs of wear, damage, or loosening. Tighten screws if necessary.
- **LEDs:** The LEDs are designed for long life and are not user-replaceable. If the LEDs fail, the entire fixture should be replaced.

## 7. TROUBLESHOOTING

If you encounter issues with your SOLLA security light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	<ol style="list-style-type: none"> <li>1. Power is off.</li> <li>2. Incorrect mode setting.</li> <li>3. Motion sensor obstructed or dirty.</li> <li>4. Ambient light too high.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check circuit breaker/fuse.</li> <li>2. Ensure 'Auto' or 'Dusk to Dawn' mode is selected.</li> <li>3. Clean sensor lens; ensure no obstructions.</li> <li>4. Relocate light or adjust sensor sensitivity.</li> </ol>
Light stays on continuously.	<ol style="list-style-type: none"> <li>1. 'Dim' mode selected.</li> <li>2. Constant motion in detection area.</li> <li>3. Sensor sensitivity too high.</li> </ol>	<ol style="list-style-type: none"> <li>1. Switch to 'Auto' or 'Dusk to Dawn' mode.</li> <li>2. Adjust detection area or sensitivity.</li> <li>3. Reduce sensor sensitivity.</li> </ol>
Light flashes or flickers.	<ol style="list-style-type: none"> <li>1. Loose wiring connection.</li> <li>2. Power fluctuations.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check and secure all wiring connections (ensure power is off).</li> <li>2. Consult an electrician if power issues persist.</li> </ol>
Motion sensor not detecting.	<ol style="list-style-type: none"> <li>1. Sensor obstructed or dirty.</li> <li>2. Detection distance set too low.</li> <li>3. Sensor angle incorrect.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean sensor lens; remove obstructions.</li> <li>2. Increase detection distance setting.</li> <li>3. Adjust sensor head to cover desired area.</li> </ol>

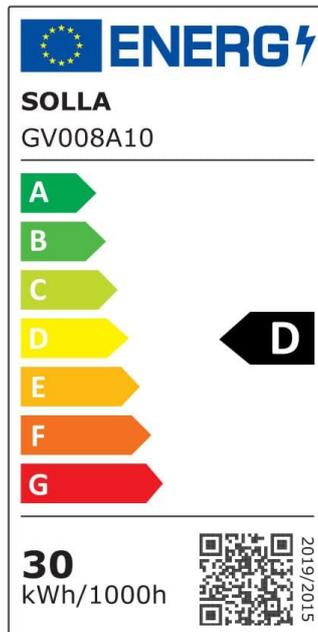
## 8. SPECIFICATIONS

Feature	Specification
Brand	SOLLA
Model Number	GV008A10
Luminous Flux	5000 lm (adjustable to 4000lm/3000lm)
Wattage	36 Watts
Color Temperature	5000 Kelvin
CRI (Color Rendering Index)	80.00
Average Lifespan	50000 Hours
IP Rating	IP65
Voltage	230 Volts
Material	Aluminum
Color	Black
Item Weight	880 g

Feature	Specification
Package Dimensions	31 x 23.6 x 17.4 cm
Installation Type	Wall mount, Eave mount
Special Features	Motion detector, Adjustable heads

## Energy Efficiency Information

This product has an energy efficiency rating of **D**.



**Figure 8.1:** Energy Label. This image displays the EU energy label for the SOLLA GV008A10, indicating its energy efficiency class D and energy consumption of 30 kWh per 1000 hours.

For more detailed energy information, please visit the EPREL database: <https://eprel.ec.europa.eu/qr/1034509>

## 9. WARRANTY AND SUPPORT

The SOLLA LED Motion Sensor Security Light (Model GV008A10) comes with a comprehensive warranty to ensure your satisfaction:

- **30-Day Money-Back Guarantee:** If you are not completely satisfied with your purchase, you may return it within 30 days for a full refund.
- **24-Month Replacement Warranty:** This product is covered by a 24-month replacement warranty from the date of purchase against defects in materials and workmanship.

For warranty claims, technical support, or any questions regarding the use of your SOLLA security light, please contact our customer service team. Provide your model number (GV008A10) and proof of purchase for faster assistance.