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Maxsa Innovations 44311

Maxsa 44311 Motion-Activated Security Spotlight User Manual

Model: 44311

Introduction

The Maxsa 44311 Solar-Powered Motion-Activated Security Spotlight is designed to provide ultra-bright light for various outdoor spaces. This low-profile LED security spotlight operates without electricity, utilizing solar power for energy efficiency.

Key features include:

- Motion-activated operation after dark.
- Provides up to 120 one-minute cycles when fully charged by sunlight.
- 6500-7000K cool light temperature color.
- Includes a rechargeable 3.7V 4.4Ah lithium-ion battery.
- Comes with a solar charging panel and a 9-foot cable for flexible placement.
- Weatherproof design for outdoor use.

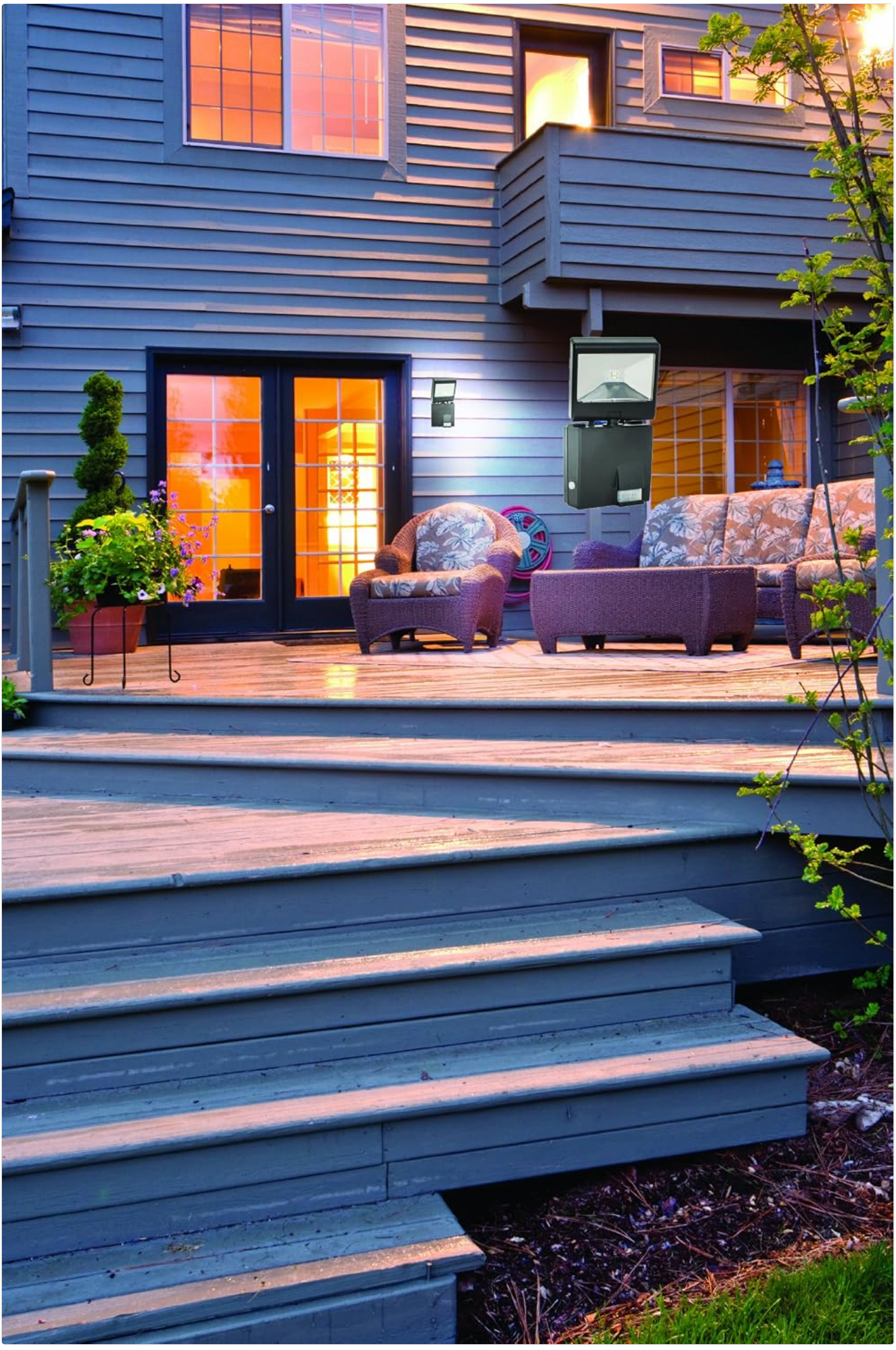


Image: The Maxsa 44311 spotlight installed on a house, providing illumination to a patio and deck area at dusk.

Product Components

The Maxsa 44311 package includes the following components:

- Motion-Activated LED Security Spotlight unit
- Solar Charging Panel
- 9-foot cable (connecting spotlight to solar panel)
- Rechargeable 3.7V 4.4Ah Lithium Ion Battery (pre-installed)
- Mounting hardware



Image: The Maxsa 44311 spotlight unit and its detached solar charging panel.



Image: The Maxsa 44311 spotlight unit, showing the LED light and motion sensor.

Setup and Installation

Installation of the Maxsa 44311 spotlight is designed for easy DIY setup and does not require an electrician.

1. **Choose a Location for the Spotlight:** Select an area where you desire motion-activated lighting, such as a deck, driveway, garage, pathway, patio, or walkway. Ensure the spotlight unit can be securely mounted.
2. **Choose a Location for the Solar Panel:** The solar panel must be positioned to receive maximum direct sunlight throughout the day for optimal charging. Utilize the 9-foot cable to allow flexibility in placing the solar panel away from the spotlight if necessary. The adjustable base of the solar panel allows mounting on both flat and angled surfaces.
3. **Mount the Components:** Use the provided mounting hardware to securely attach both the spotlight unit and the solar panel to your chosen surfaces.
4. **Connect the Solar Panel:** Plug the 9-foot cable from the solar panel into the designated port on the spotlight unit.
5. **Initial Charge:** Allow the solar panel to charge the internal battery for at least 24-48 hours in direct sunlight before initial use to ensure full battery capacity.

Operating Instructions

The Maxsa 44311 Security Spotlight operates automatically:

- **Automatic Activation:** The spotlight is equipped with a motion sensor and a light sensor. It will automatically activate and turn on when it detects motion after dark.
- **Illumination Duration:** Once activated, the light will remain on for approximately 60 seconds. If motion is

continuously detected, the light cycle may extend.

- **Charging:** During daylight hours, the solar panel will charge the internal lithium-ion battery. Ensure the solar panel remains clean and unobstructed for efficient charging.
- **Cycles per Charge:** When fully charged, the spotlight can provide up to 120 one-minute cycles of illumination.

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Video: Demonstration of the Maxsa 44311 Solar Powered LED Security Square Spotlight's motion activation and illumination.

Maintenance

To ensure optimal performance and longevity of your Maxsa 44311 Security Spotlight, follow these maintenance guidelines:

- **Clean the Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, snow, or debris. A clean panel ensures efficient sunlight absorption and battery charging.
- **Check for Obstructions:** Periodically inspect the area around the solar panel and spotlight to ensure no new obstructions (e.g., growing foliage, new structures) are blocking sunlight to the panel or the motion sensor's field of view.
- **Battery Life:** The internal lithium-ion battery is designed for long-term use. If you notice a significant decrease in performance over time, ensure the solar panel is receiving adequate sunlight. Battery replacement is generally not user-serviceable.
- **Inspect Connections:** Occasionally check the cable connection between the solar panel and the spotlight unit to ensure it is secure and free from damage.

Troubleshooting

If your Maxsa 44311 Security Spotlight is not functioning as expected, consider the following:

- **Light does not turn on at night:**
  - Ensure the solar panel is receiving at least 6-8 hours of direct sunlight daily.
  - Verify the solar panel is clean and free of debris.
  - Check that the cable connecting the solar panel to the spotlight is securely plugged in.
  - Confirm it is dark enough for the light sensor to activate. Test in a completely dark environment.
- **Light stays on constantly or activates too frequently:**
  - Ensure the motion sensor is not obstructed or facing a heat source (e.g., vent, large reflective surface) that could trigger it.
  - Check for constant movement within the sensor's range (e.g., tree branches, pets).
- **Light is dim or only stays on for a short period:**
  - The battery may not be fully charged. Ensure the solar panel receives adequate direct sunlight for several days.
  - Clean the solar panel.

- Extreme cold weather can temporarily reduce battery performance.

Specifications

Model Number	44311
Power Source	Solar Powered
Light Source	LED
Brightness	100 lumens
Color Temperature	6500-7000 Kelvin (Cool White)
Battery	Rechargeable 3.7V 4.4Ah Lithium Ion
Motion Sensor	Yes
Cable Length (Solar Panel)	9 feet
Indoor/Outdoor Usage	Outdoor
Material	Plastic, Glass
Item Weight	1.1 pounds
Water Resistance Level	Water Resistant

Warranty Information

Maxsa Innovations, LLC warrants to the original consumer/purchaser that this product shall be free of defects in material and workmanship under normal use and circumstances for a period of **one (1) year** from the date of original purchase for use.

If the product is found to be defective within the warranty period, Maxsa Innovations, LLC will, at its option, repair or replace the product. The original consumer/purchaser is responsible for returning the product pre-paid to Maxsa Innovations, LLC, 8412 Cathedral Forest Dr; Fairfax Station, VA 22039; USA.

This warranty constitutes the sole liability of Maxsa Innovations, LLC concerning the product and expressly disclaims all other warranties, including, without limitation, the warranties of merchantability and fitness for a particular purpose. Maxsa Innovations, LLC and its agents and distributors will bear no liability whatsoever for incidental or consequential damages or charges of any kind.

This warranty is void if the product has been damaged or tampered with, or if the product or any such parts have been opened. In cases of damage during shipment, a claim must be filed with the shipping carrier, not with Maxsa Innovations, LLC.

This warranty gives you specific legal rights; you may also have other rights which vary from state to state.

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