

FLITI AMS193

FLITI AMS193 Motion Sensor Solar Security Lights User Manual

Model: AMS193

1. INTRODUCTION

Thank you for choosing the FLITI AMS193 Motion Sensor Solar Security Lights. This product is designed to provide efficient and reliable outdoor lighting using solar power, featuring adjustable heads, a sensitive motion sensor, and a durable waterproof design. Please read this manual carefully before installation and use to ensure optimal performance and safety.

2. SAFETY INFORMATION

- Ensure the product is installed in a location that receives direct sunlight for at least 6-8 hours daily to ensure proper charging.
- Do not disassemble or modify the product. Unauthorized modifications may cause damage and void the warranty.
- Keep the product away from fire or high temperatures.
- Avoid direct eye exposure to the bright LED light.
- Dispose of batteries and electronic components according to local regulations.
- This product is IP65 waterproof, suitable for outdoor use in various weather conditions, but avoid submerging it in water.

3. PACKAGE CONTENTS

Please check the package to ensure all items are present:

- FLITI AMS193 Solar Security Light Unit (x2)
- Mounting Bracket (x2)
- Screws and Wall Plugs (x4 sets)
- User Manual (x1)

4. PRODUCT FEATURES

- **Super Bright Illumination:** Equipped with 229 high-quality LED beads, providing up to 2500 lumens of 6500K bright white light.
- **Wider Lighting Area:** Features 3 independently adjustable lamp heads and a rotatable solar panel, allowing for omnidirectional and multi-angle lighting coverage up to 120 degrees.
- **Ultra-Sensitive Motion Sensor:** An upgraded infrared digital motion sensor detects movement up to 12 meters (39 feet) within a 120-degree angle, activating the light quickly at night.
- **IP65 Waterproof:** Durable construction ensures reliable operation in various outdoor weather conditions, including rain and snow.
- **Solar Powered & Wireless:** Environmentally friendly and easy to install without the need for electrical wiring.



Image: Key features of the FLITI AMS193 solar light, including sensing distance, operating modes, and waterproof rating.



Image: High-quality LED beads and brightness comparison.



Image: IP65 Waterproof feature in action during rain.

5. SETUP AND INSTALLATION

The FLITI AMS193 solar security light is designed for quick and simple wireless installation.

5.1 Choosing an Installation Location

- Select a location that receives direct sunlight for at least 6-8 hours per day to ensure the solar panel can fully charge the battery.
- Avoid areas under eaves, trees, or other obstructions that might block sunlight or motion sensor detection.
- Mount the light at a height of approximately 2-3 meters (6.5-10 feet) for optimal motion detection and light coverage.

5.2 Mounting Steps

1. Mark the desired installation position on the wall.
2. Drill two holes at the marked positions.
3. Insert the wall plugs into the drilled holes.
4. Secure the mounting bracket to the wall using the provided screws.
5. Slide the solar light unit onto the mounting bracket until it clicks securely into place.

Flexible Rotation Design

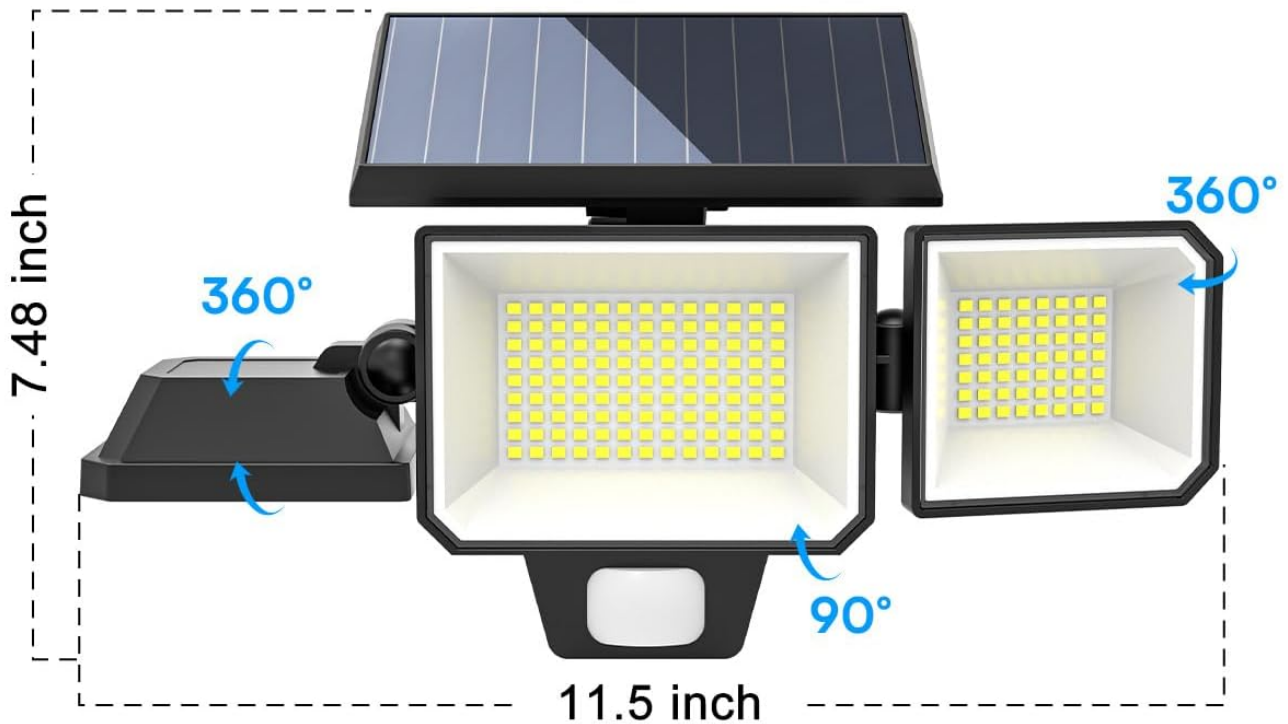


Image: Installation steps for mounting the solar light.

5.3 Adjusting Light Heads and Solar Panel

The solar panel and the three lamp heads can be rotated independently to customize lighting direction and solar charging angle.

- Adjust the solar panel to face direct sunlight for maximum charging efficiency.
- Angle the three lamp heads to cover your desired lighting areas, such as pathways, doorways, or garden sections.

Outdoor Solar Lights

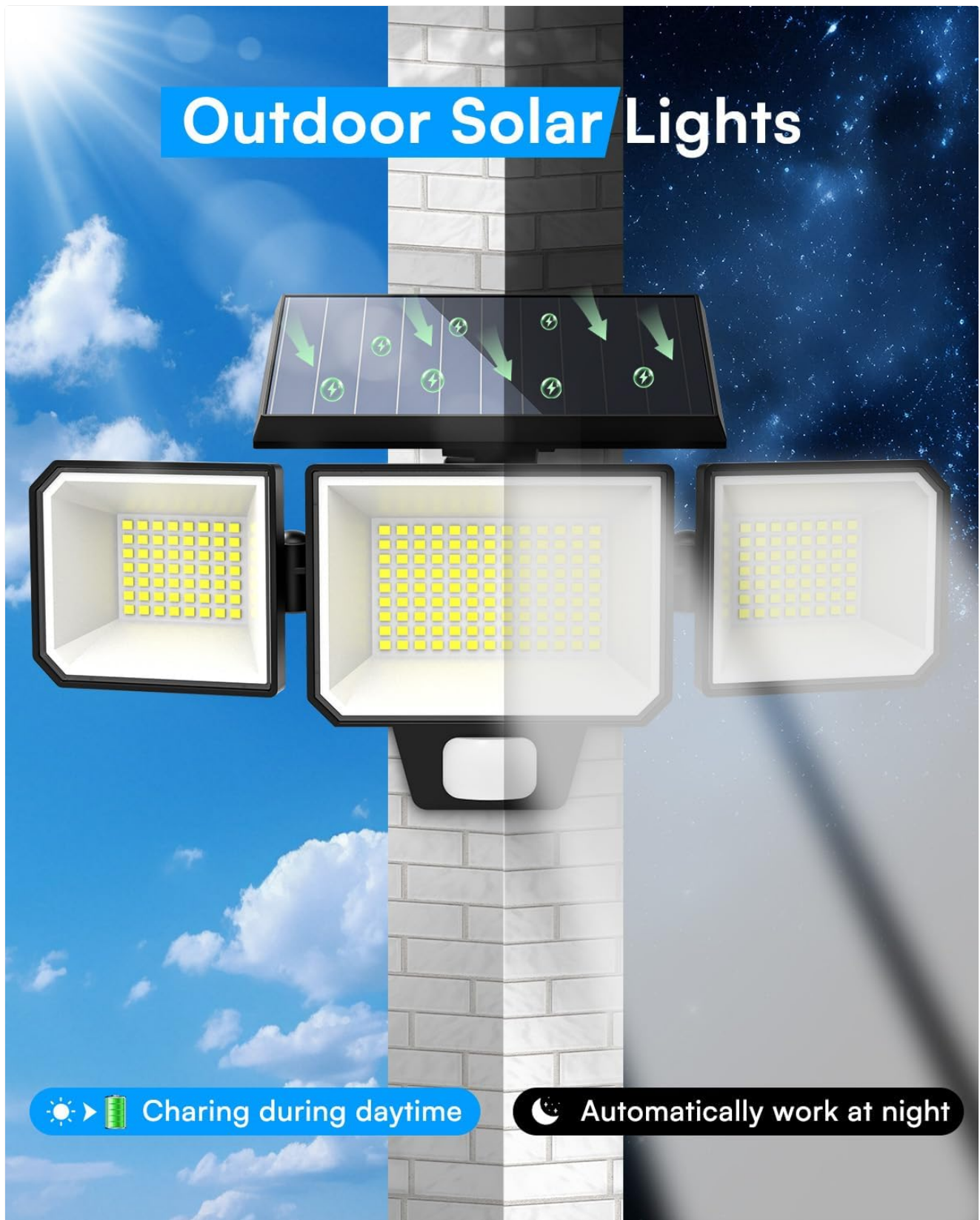


Image: Flexible rotation design of the solar panel and light heads.

6. OPERATING INSTRUCTIONS

The FLITI AMS193 features three distinct operating modes, selectable via a button on the back of the unit.

6.1 Initial Charging

Before first use, allow the solar light to charge in direct sunlight for at least 8-10 hours to ensure the battery is fully charged.



Image: Solar light charging during the day and activating at night.

6.2 Mode Selection

Press the power button on the back of the unit to cycle through the following modes:

- **Mode 1 (Motion Sensor Mode):** The light remains off until motion is detected. When motion is sensed, the light turns on at full 2500LM brightness for approximately 20 seconds, then turns off after motion ceases.
- **Mode 2 (Dim to Sensor Mode):** The light automatically turns on at dusk at a low brightness (approx. 200LM). When motion is detected, it switches to full 2500LM brightness for approximately 20 seconds, then returns to dim brightness after motion ceases. After 6 hours of operation, it automatically switches to Mode 1.
- **Mode 3 (Always On Mode):** The light automatically turns on at dusk at a medium brightness (approx. 500LM) and stays on continuously. After 4 hours of operation, it automatically switches to Mode 1.



Image: Visual representation of the three operating modes.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your solar lights.

- **Clean Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Battery Replacement:** The unit uses rechargeable batteries. If the light's performance significantly decreases over time, the batteries may need replacement. Access the battery compartment by removing the plate cover. Ensure to

replace with compatible rechargeable batteries.

- **Inspect for Damage:** Regularly check the light for any physical damage, loose connections, or signs of wear.

8. TROUBLESHOOTING

If you encounter issues with your FLITI AMS193 solar lights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient sunlight for charging. Switch is off or in incorrect mode. Battery depleted or faulty.	Ensure the solar panel receives 6-8 hours of direct sunlight daily. Check the operating mode and ensure it's set correctly (Mode 1, 2, or 3). Allow several days of charging. If issue persists, consider replacing the rechargeable battery.
Light is dim or only stays on for a short time.	Insufficient charging. Dirty solar panel. Aging battery.	Relocate the light to an area with more direct sunlight. Clean the solar panel regularly. Replace the rechargeable battery if it's old.
Motion sensor is not working or too sensitive.	Sensor obstructed. Incorrect mounting height/angle. Environmental factors (e.g., strong winds, heat sources).	Ensure the sensor lens is clean and unobstructed. Adjust the mounting height and angle for optimal detection. Consider relocating if false triggers are frequent due to environmental factors.

If these solutions do not resolve the issue, please contact customer support.

9. SPECIFICATIONS

Feature	Specification
Model Number	AMS193
Brand	FLITI
Light Source	229 LED Beads
Brightness	Up to 2500 Lumens
Color Temperature	6500 Kelvin (Cool White)
Motion Sensor Range	Up to 12 meters (39 feet)
Motion Sensor Angle	120 degrees
Water Resistance	IP65 Waterproof
Power Source	Solar Powered
Material	Plastic

Feature	Specification
Mounting Type	Wall Mount
Number of Light Heads	3 (Adjustable)

10. WARRANTY AND SUPPORT

Manufacturer Warranty: This product comes with a 2-year manufacturer warranty from the date of purchase, covering defects in materials and workmanship under normal use.

What is Covered: Defects in materials and workmanship.

What is Not Covered: Damage caused by improper installation, misuse, abuse, accidents, unauthorized repairs or modifications, or normal wear and tear.

Customer Support: For warranty claims, technical assistance, or any questions regarding your FLITI AMS193 solar lights, please contact your retailer or the manufacturer's customer service through the contact information provided at the point of purchase.