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› [FOREVER](#) /

› [FOREVER Sunari FLS-03 Solar LED Lamp User Manual](#)

## FOREVER FLS-03

# FOREVER Sunari FLS-03 Solar LED Lamp User Manual

Model: FLS-03

## 1. INTRODUCTION

Thank you for choosing the FOREVER Sunari FLS-03 Solar LED Lamp. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your solar-powered outdoor lighting solution. Please read these instructions carefully before use and retain them for future reference.

## 2. SAFETY INFORMATION

- Ensure the product is installed in a location where it receives direct sunlight for optimal charging.
- Do not attempt to disassemble or modify the lamp. This may void the warranty and pose safety risks.
- Keep the solar panel clean to ensure efficient charging.
- This product is designed for outdoor use and is IP65 rated for water resistance. However, avoid submerging it in water.
- Handle the product with care to prevent damage.

## 3. PACKAGE CONTENTS

Please check the package for the following items:

- FOREVER Sunari FLS-03 Solar LED Lamp
- Mounting accessories (screws, wall plugs)
- User Manual

## 4. PRODUCT FEATURES

- **Solar Powered:** Utilizes a powerful solar panel for energy efficiency, eliminating the need for external power sources.
- **Flexible Installation:** The lamp and solar panel are connected by a 5-meter cable, allowing for optimal placement of the solar panel in direct sunlight while the lamp can be mounted in a less exposed area.
- **Motion and Dusk Sensor:** Equipped with an integrated PIR motion sensor and a dusk-to-dawn sensor, the lamp

activates automatically when motion is detected in low light conditions, conserving energy.

- **Three Lighting Modes:** Offers three adjustable lighting modes to suit various needs and conserve energy.
- **Durable Design:** Features an IP65 waterproof rating, ensuring reliable performance in various outdoor weather conditions.
- **High Brightness:** Provides 600 lumens of bright, cold white LED light (6000K).

## 5. SETUP AND INSTALLATION

The FOREVER Sunari FLS-03 is designed for easy installation. Follow these steps for optimal performance:

1. **Choose a Location:** Select a mounting location for the lamp that provides the desired illumination area. For the solar panel, choose a spot that receives maximum direct sunlight throughout the day. The 5-meter cable allows for separation between the lamp and the solar panel.
2. **Mount the Solar Panel:** Secure the solar panel using the provided mounting accessories (screws and wall plugs). Ensure it is angled to capture the most sunlight.
3. **Mount the Lamp:** Attach the lamp to your chosen surface (e.g., wall, balcony railing) using the mounting accessories. The lightweight design facilitates this process.
4. **Connect the Cable:** Connect the 5-meter cable from the solar panel to the lamp. Ensure the connection is secure.
5. **Adjust Lamp Heads:** The two outer lamp heads can be adjusted up to 180 degrees horizontally, and the central lamp head has a motion sensor. Adjust them to cover your desired lighting area.



Image: The FOREVER Sunari FLS-03 Solar LED Lamp showing its dimensions and adjustable lamp heads. The solar panel measures 15cm in length and 10.5cm in width. The overall lamp width is 28.5cm, and the height of the lamp heads is 7.5cm. The outer lamp heads can rotate 180 degrees, and the central lamp head has a motion sensor.

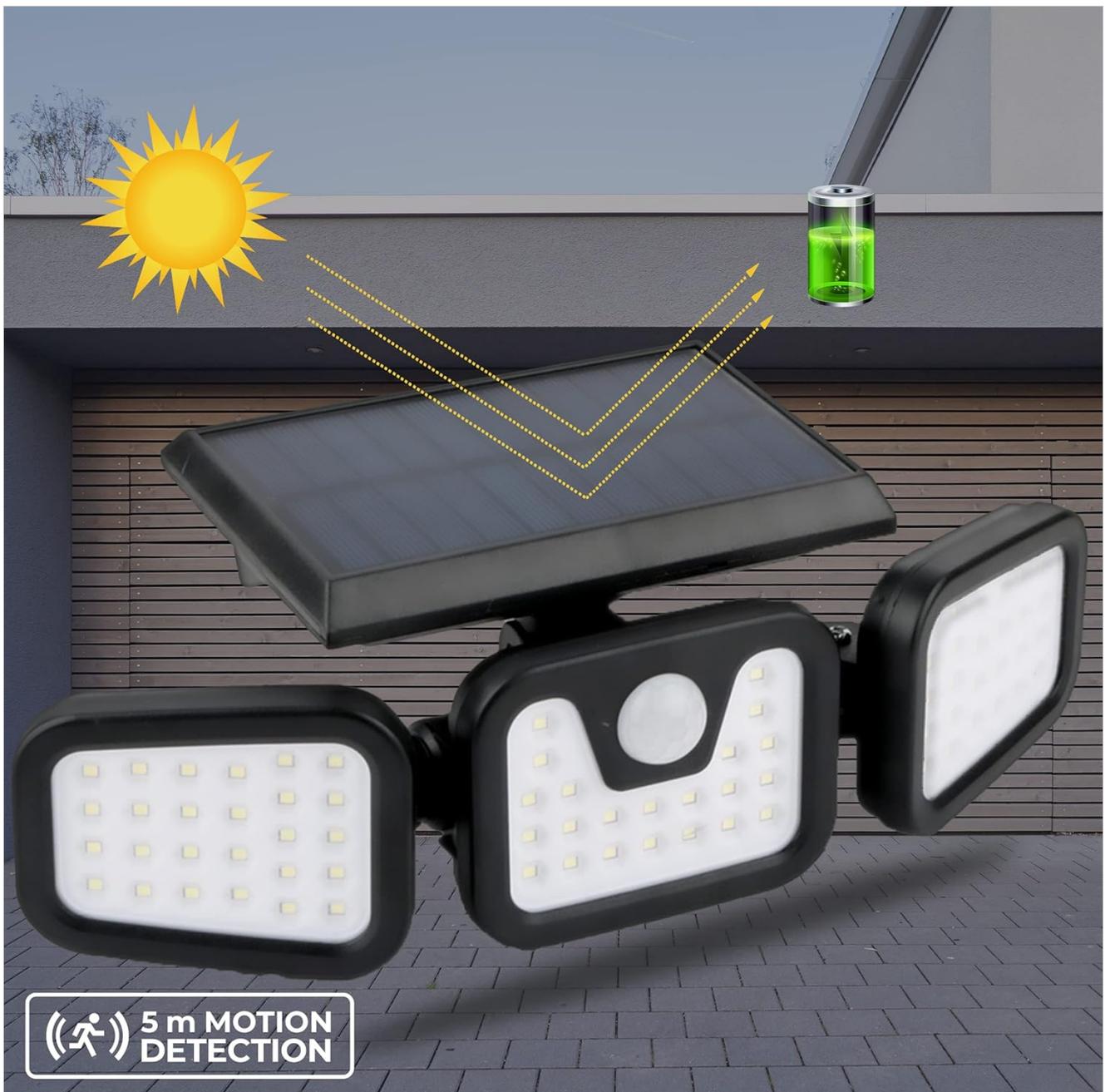


Image: The solar panel absorbing sunlight to charge the internal battery, indicated by a battery icon. The image also highlights the 5-meter motion detection range.

## 6. OPERATING INSTRUCTIONS

The FLS-03 lamp operates automatically based on its integrated sensors:

- **Dusk Sensor:** The lamp will only activate when ambient light levels are low (at dusk or in darkness). During daylight hours, the solar panel charges the battery.
- **Motion Sensor (PIR):** When the lamp is in an active mode (after dusk), it will turn on to full brightness when motion is detected within its range (up to 5 meters).
- **Lighting Modes:** The lamp features three distinct lighting modes. These modes can typically be cycled through using a button on the device. Refer to the specific product labeling for detailed mode descriptions and selection. These modes are designed to optimize energy usage and light output.



Image: A close-up view of the solar panel and the central lamp head, highlighting the integrated motion sensor for automatic activation.

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your solar LED lamp, follow these maintenance guidelines:

- **Clean the Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, and debris. A clean panel ensures maximum sunlight absorption and efficient battery charging.
- **Inspect Connections:** Periodically check the cable connection between the solar panel and the lamp to ensure it remains secure and free from damage.
- **Clear Obstructions:** Ensure no trees, bushes, or other objects are blocking direct sunlight from reaching the solar panel, especially during seasonal changes.
- **Environmental Protection:** While the lamp is IP65 rated, extreme weather conditions (e.g., heavy snow, prolonged freezing temperatures) may temporarily affect performance.



Image: The FOREVER Sunari FLS-03 Solar LED Lamp shown operating in rainy conditions, demonstrating its IP65 water resistance rating.

## 8. TROUBLESHOOTING

If your FOREVER Sunari FLS-03 lamp is not functioning as expected, consider the following:

- **Lamp Not Turning On at Night:**

- Ensure the solar panel is receiving sufficient direct sunlight during the day (at least 6-8 hours).
- Check if the solar panel is dirty or obstructed. Clean it if necessary.
- Verify that the dusk sensor is not being affected by other light sources (e.g., streetlights, windows) that might trick it into thinking it's daytime.
- Confirm the cable connection between the solar panel and the lamp is secure.

- **Light is Dim or Short-Lived:**

- The battery may not be fully charged. Ensure the solar panel has adequate sun exposure.
- Consider seasonal changes; shorter daylight hours in winter may result in reduced performance.

- **Motion Sensor Not Activating:**

- Ensure the motion sensor is not obstructed.
- Verify that the lamp is in an active mode that utilizes the motion sensor.
- Test the sensor's range (up to 5 meters).

- **Lamp Stops Working After Prolonged Sun Exposure:** If the lamp ceases to function after extended periods of strong sunlight, contact customer support. Do not attempt to open or repair the device yourself.

## 9. SPECIFICATIONS

Feature	Specification
Model Number	FLS-03
Brand	FOREVER
Dimensions (L x W x H)	27.7 x 10.3 x 6.5 cm
Weight	520 grams
Material	Plastic, Glass
Color	Black
Light Source	LED
Luminous Flux	600 lumens
Light Color	Cold White (6000K)
Power Source	Solar Powered
Battery Type	1 Lithium-ion (included)
Waterproof Rating	IP65
Sensors	Motion Detector, Dusk Sensor
Cable Length (Solar Panel to Lamp)	5 meters
Mounting Type	Wall Mount

## 10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact the retailer where you purchased the FOREVER Sunari FLS-03 Solar LED Lamp or visit the official FOREVER website. Keep your proof of purchase for warranty claims.