

LIFENG SOLER MDC010

LIFENG SOLER 118 LED Solar Motion Sensor Lights Outdoor Instruction Manual

Model: MDC010 | Brand: LIFENG SOLER

1. INTRODUCTION

Thank you for choosing the LIFENG SOLER 118 LED Solar Motion Sensor Lights Outdoor. These lights are designed to provide efficient and reliable outdoor illumination with motion-sensing capabilities, powered by solar energy and offering versatile installation options. This manual will guide you through the setup, operation, and maintenance of your new solar lights.

2. WHAT'S IN THE BOX

Your package should contain the following items:

- 2 x LIFENG SOLER 118 LED Solar Motion Sensor Lights
- 1 x Remote Control
- 2 x Mounting Brackets
- 4 x Expansion Screws
- 4 x Screws
- 4 x Sticky Hooks
- 1 x USB Charging Cable
- 1 x Instruction Manual

Product Specification



ACCESSORIES



Expansion screw×4



Screw×4



Bracket×2



Sticky hook×4

Image: Package contents including lights, remote, and various mounting accessories.

3. KEY FEATURES

- **Bright 800 Lumen Output:** Equipped with 118 LED beads, delivering powerful 800-lumen illumination, covering up to 26 feet with a 120-degree detection angle.
- **3 Smart Sensing Modes:** Offers three distinct operating modes (Dim to Bright, Dark to Bright, Stay Dim) for customizable lighting based on motion detection.
- **Versatile Installation Options:** Features a sturdy clip, along with hook and screw mounting options, for flexible and hassle-

free installation.

- **Dual Charging:** Powered by polycrystalline solar panels and a 2500mAh rechargeable battery, with additional USB charging for cloudy weather.
- **Durable & Weather-Resistant:** Built with IP65 waterproof rating and high-strength ABS+PC materials to withstand harsh outdoor conditions.

Wide Angle Adjustable



Image: Wide-angle illumination and detection range.

OURS



118LEDs ✓

800LM ✓

Premium ABS ✓

IP65 ✓

OTHERS



✗ 48LEDs

✗ 200LM

✗ Plastic

✗ IP44

Image: Product advantages over typical alternatives.



65 Waterproof

Suitable For All Kinds
Of Weather



Image: IP65 Waterproof rating.

4. SETUP AND INSTALLATION

The LIFENG SOLER Solar Motion Sensor Lights offer flexible installation without the need for drilling. For optimal performance, install at a recommended height of 4.92 to 8.2 feet (1.5 to 2.5 meters) and ensure the solar panel is angled towards direct sunlight.

Mounting Options:

- **Clip-on:** Use the integrated sturdy clip to attach the light to fences, patios, gutters, chain links, or camping equipment. Ensure the clamp opening (max 2.44 inches) fits your installation surface.
- **Hook Mounting:** Utilize the provided sticky hooks for easy attachment to smooth surfaces like walls or glass.
- **Screw Mounting:** For a more permanent installation, use the included screws and expansion screws with the mounting brackets.



Image: Examples of versatile installation options.

Your browser does not support the video tag.

Video: Demonstrates clipping the solar light onto a fence for easy installation.

5. CHARGING

Your solar lights are equipped with dual charging capabilities to ensure continuous operation.

- **Solar Charging:** The integrated polycrystalline solar panel charges the 2500mAh rechargeable battery using sunlight. For initial performance, fully charge the battery under direct sunlight for 6 to 8 hours before first use.
- **USB Charging:** For cloudy or dark weather conditions, the lights can be charged via the included USB cable. Simply connect the cable to the designated port on the light.



Image: Large solar panel for efficient charging.

Your browser does not support the video tag.

Video: Overview of the solar light's features, including charging capabilities.

6. OPERATING MODES

The solar lights feature 3 smart sensing modes, controllable via the included remote control. Please turn on the light using the power switch on the unit before operating it with the remote control.

Mode 1: Dim to Bright to Dim

The light stays at 30% brightness at night. When motion is detected, it brightens to 100% for approximately 15-20 seconds, then returns to 30% brightness.



Image: Mode 1 operation.

Mode 2: Dark to Bright to Dark

The light remains off at night. When motion is detected, it brightens to 100% for approximately 15-20 seconds, then turns off completely.



Image: Mode 2 operation.

Mode 3: Stay Dim

The light stays at a constant 30% brightness throughout the night, regardless of motion detection.



Image: Mode 3 operation.

Light Color Options:

The remote control also allows you to switch between different light color temperatures: Cool White, Mixed (Cool & Warm), and Warm White.

3 Lighting Modes



Image: Three available light color temperatures.

7. MAINTENANCE

To ensure the longevity and optimal performance of your solar lights, follow these maintenance tips:

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris that may hinder charging efficiency.

- **Clear Obstructions:** Ensure no trees, buildings, or other objects block direct sunlight from reaching the solar panel.
- **Seasonal Adjustments:** Be aware that reduced sunlight during winter months may impact charging efficiency and overall performance. Consider USB charging during prolonged cloudy periods.

8. TROUBLESHOOTING

If you encounter issues with your solar lights, try the following solutions:

- **Light Not Turning On:**
 - Ensure the power switch on the light is turned ON.
 - Verify the solar panel receives sufficient direct sunlight for charging (6-8 hours recommended for initial charge).
 - Check if the battery is fully charged, use USB charging if necessary.
- **Dim Performance:**
 - Clean the solar panel to remove any dirt or obstructions.
 - Ensure the light is installed in a location with maximum sun exposure.
 - Consider USB charging if solar charging is consistently insufficient due to weather.
- **Motion Sensor Not Responding:**
 - Ensure the light is in Mode 1 or Mode 2, which utilize motion sensing.
 - Check for any obstructions blocking the motion sensor.
 - Verify the light is sufficiently charged.

9. SPECIFICATIONS

Brand	LIFENG SOLER
Model Name	MDC010440 (MDC010)
Light Source Type	LED (118 LEDs)
Brightness	800 Lumens
Detection Angle	120 degrees
Detection Distance	Up to 26 feet
Power Source	Solar Powered, USB-C Charging
Battery Capacity	2500mAh
Water Resistance Level	IP65 Waterproof
Material	Acrylonitrile Butadiene Styrene (ABS+PC)
Product Dimensions	4"L x 4.8"W x 7.28"H
Installation Type	Clip, Screw, Hook
Control Method	Remote, Touch

10. WARRANTY AND SUPPORT

LIFENG SOLER provides a **Lifetime Quality Guarantee** for these solar outdoor motion sensor lights, ensuring peace of mind and reliable performance for years to come. For any support or warranty claims, please contact LIFENG SOLER customer service through your purchase platform.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question