

MOSLIGHTING LY01

MOSLIGHTING 80W 16500mAh 4000LM Rechargeable Camping Lantern User Manual

Model: LY01

1. INTRODUCTION

Thank you for choosing the MOSLIGHTING 80W 16500mAh 4000LM Rechargeable Camping Lantern. This versatile device is designed to provide reliable illumination for various outdoor and indoor activities, including camping, hiking, emergency power outages, and general utility. It features multiple lighting modes, stepless dimming, a built-in power bank, and robust construction for durability.

2. PRODUCT OVERVIEW

2.1 Key Features

- **High Brightness:** 4000 Lumens output from 258 LED beads.
- **Long-lasting Battery:** Built-in 16500mAh rechargeable Lithium-Ion battery for extended use.
- **Power Bank Function:** 5V 2A USB output port to charge external devices.
- **Multiple Lighting Modes:** Cool White (7700K), Warm (3300K), White (4500K), and SOS Red Flashing Mode.
- **Stepless Dimming:** Adjustable brightness for all modes (except SOS).
- **Versatile Mounting:** Integrated magnet base, adjustable leather rope, and 1/4" screw adapter for tripod mounting.
- **Durable & Waterproof:** IP65 rated for water and dust resistance.

2.2 Components



Image: The MOSLIGHTING camping lantern shown with its included accessories, including a USB-C charging cable, a leather hanging strap, and a storage pouch.

1. **Power Button:** Controls power on/off and mode switching.
2. **Battery Indicator Lights:** Four blue LED lights indicating battery level.
3. **Type-C Input Port:** For charging the lantern.
4. **USB-A Output Port:** For charging external devices.
5. **Magnet Base:** For attaching to metallic surfaces.
6. **Adjustable Leather Rope:** For hanging the lantern.
7. **1/4" Screw Adapter:** For tripod or stand mounting.



Image: A close-up view of the lantern's side, showing the USB-A output port, Type-C input port, power button, and battery indicator lights.

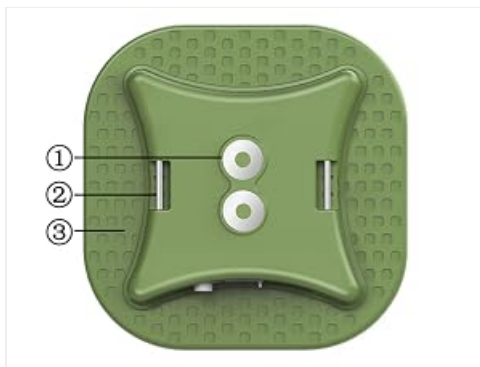


Image: The back of the lantern, highlighting the integrated magnet base and the attachment points for the hanging strap.

3. SETUP

3.1 Initial Charging

Before first use, fully charge the lantern. Connect the provided Type-C USB cable to the lantern's Type-C input port and the other end to a 5V 2A USB power adapter (not included). The battery indicator lights will illuminate to show charging progress. All four lights will be solid when fully charged.

3.2 Attaching Accessories

- **Leather Rope:** Attach the adjustable leather rope to the designated loops on the top of the lantern for hanging.
- **Hook:** The lantern can be hung directly using the integrated hook or by attaching the leather rope.

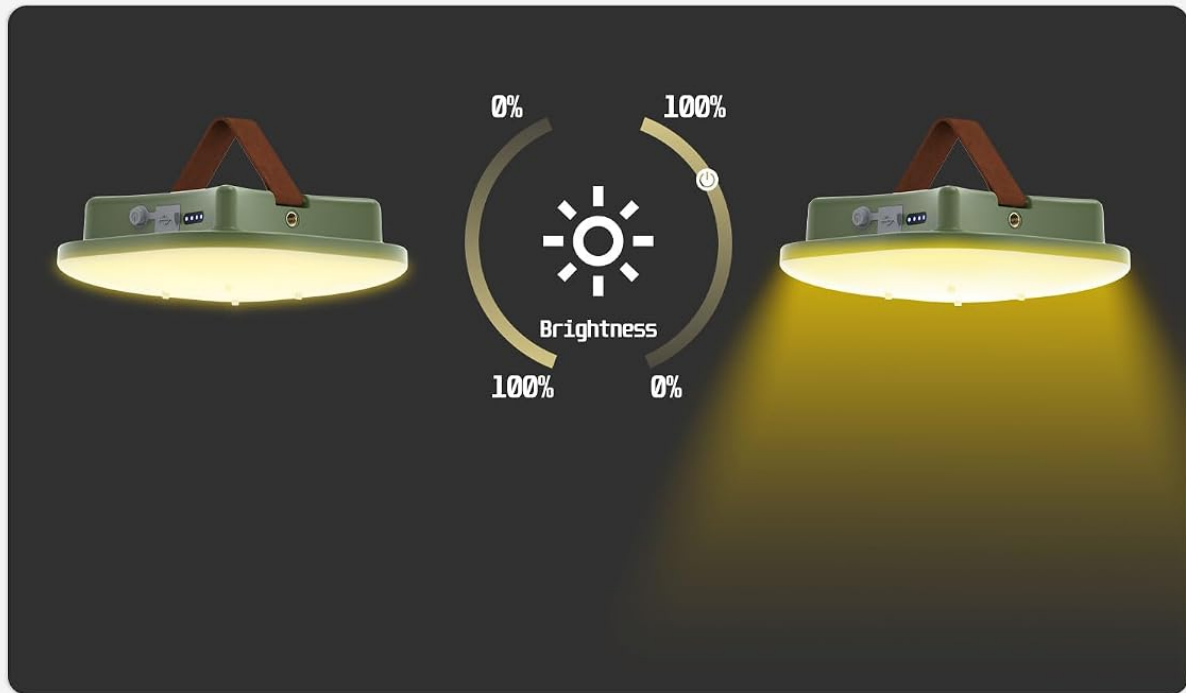
4. OPERATING INSTRUCTIONS

4.1 Power On/Off and Mode Selection

1. **Power On:** Press the power button once to turn on the lantern. It will activate in the last used mode (Memory Mode).
2. **Cycle Modes:** Short press the power button repeatedly to cycle through the lighting modes: Cool White (7700K) → Warm (3300K) → White (4500K) → SOS Red Flashing Mode.
3. **Power Off:** Press the power button after cycling through all modes, or long press the power button for 2 seconds in any mode to turn off the lantern.

4.2 Stepless Dimming

Stepless Dimming



Four Color Temperatures



Image: Visual representation of stepless dimming from 0% to 100% brightness, and four distinct color temperature options: 7700K (Cool White), 5600K (Neutral White), 3300K (Warm White), and SOS Red.

In any lighting mode (except SOS Red Flashing), long press the power button to activate stepless dimming. The brightness will gradually increase or decrease. Release the button at your desired brightness level. To change the dimming direction, release the button and long press again.

4.3 Power Bank Function

Rechargeable 16500mAh Power Bank

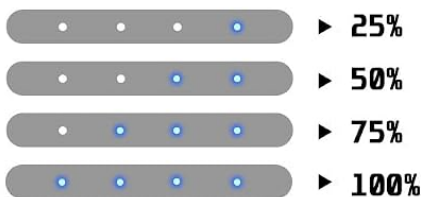


Image: The camping lantern connected via a USB cable to a smartphone, demonstrating its power bank capability. Battery indicator lights are visible on the lantern.

The lantern can be used as a portable power bank. Connect your electronic device (e.g., smartphone, tablet) to the lantern's USB-A output port using a compatible USB cable. The lantern will automatically begin charging your device. The battery indicator lights will show the remaining power of the lantern.

5. CHARGING THE LANTERN

To charge the MOSLIGHTING lantern, use the provided Type-C USB cable. Plug the Type-C end into the lantern's input port and the USB-A end into a standard 5V 2A USB power source (e.g., wall adapter, computer USB port, car charger). The four blue indicator lights will flash during charging and remain solid

when fully charged.



Image: An illustration showing a USB cable connected to the lantern's Type-C input port, indicating the charging process. The battery icon shows 100% charged.

A full charge typically takes several hours. Ensure the charging port's silicone cover is securely closed after charging to maintain IP65 waterproof rating.

6. MOUNTING OPTIONS

The MOSLIGHTING lantern offers multiple ways to position it for optimal lighting:

- **Magnetic Attachment:** The strong magnet base allows the lantern to be securely attached to any metallic surface, such as a car hood, metal tent pole, or workshop bench.

U Strong magnet



Portable Hook

Image: The lantern is shown attached magnetically to the underside of a car hood, illuminating the engine bay, and also hanging by its hook in an outdoor market setting.

- **Hanging:** Use the adjustable leather rope or the integrated hook to hang the lantern from tent ceilings, branches, or other elevated points.



Image: The camping lantern hanging inside a tent, providing overhead illumination for occupants.

- **Tripod Mounting:** The 1/4" screw adapter on the back of the lantern allows it to be mounted on a standard camera tripod or stand, converting it into a table lamp or elevated light source.

Table Lamp



1/4" Screw Adapter

Image: The lantern is shown mounted on a small tripod, functioning as a table lamp, with a close-up inset of the 1/4" screw adapter.

7. MAINTENANCE

- **Cleaning:** Wipe the lantern with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the lantern in a cool, dry place when not in use. For long-term storage, charge the battery to approximately 50-70% every 3-6 months to maintain battery health.
- **Battery Care:** Avoid fully discharging the battery frequently. Recharge promptly when the battery indicator shows low power.
- **Waterproof Seal:** Ensure the silicone cover for the charging ports is always securely closed when not in use to maintain the IP65 waterproof rating.

IP54 Waterproof



Image: The lantern hanging from a tree branch in the rain, demonstrating its waterproof capability. An inset shows the waterproof silicone cover over the ports.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lantern does not turn on.	Battery is depleted.	Charge the lantern fully.
Lantern does not charge.	Charging cable or adapter is faulty.	Try a different Type-C USB cable and/or a different 5V 2A USB power adapter.
External device not charging from lantern.	Lantern battery is low or depleted.	Ensure the lantern is sufficiently charged.
Brightness is too low/high.	Brightness setting needs adjustment.	Use the stepless dimming function (long press power button) to adjust brightness.

9. SPECIFICATIONS

Feature	Detail
Model Number	LY01
Brightness	4000 Lumens
Battery Capacity	16500mAh Lithium-Ion
Wattage	80 Watts
Voltage	3.7 Volts
Battery Life	Up to 80 Hours (low setting)
Water Resistance	IP65
Product Dimensions	6.2"L x 6.2"W x 2"H
Item Weight	16 ounces (1 pound)
Light Source Type	LED (258 pcs)
Color Temperatures	7700K (Cool White), 3300K (Warm), 4500K (White), SOS Red
Material	Acrylonitrile Butadiene Styrene (ABS)
Certifications	CE, IP65, RoHS

10. SAFETY INFORMATION

- Do not look directly into the LED light when it is on, as it can cause eye strain or damage.
- Keep out of reach of children.
- Do not disassemble, modify, or attempt to repair the device. This may void the warranty and pose safety risks.
- Use only the provided or a certified Type-C USB cable for charging.
- Avoid exposing the lantern to extreme temperatures or direct sunlight for prolonged periods.
- Ensure the charging port cover is sealed when operating in wet conditions to maintain water resistance.

11. WARRANTY AND SUPPORT

MOSLIGHTING products are designed for quality and reliability. For warranty information, technical support, or any questions regarding your MOSLIGHTING 80W 16500mAh 4000LM Rechargeable Camping Lantern, please contact the manufacturer directly through their official channels or the retailer where the product was purchased. Please retain your proof of purchase for warranty claims.