

## ERAY C3

# ERAY Portable LED Work Light User Manual

MODEL: C3

## 1. Introduction

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This manual provides comprehensive instructions for the safe and efficient use of your ERAY Portable LED Work Light, Model C3. This versatile lighting solution is designed for various applications, including outdoor camping, car repairing, fishing, construction sites, garages, workshops, and emergency situations. Please read this manual thoroughly before operating the device and retain it for future reference.

## 2. Product Features

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- **High Brightness:** Equipped with 296 LED chips, providing up to 10000 lumens of illumination.
- **Multiple Lighting Modes:** Features White Light, Warm Light, Strong Warm White Light, and a Red Blue Flashing mode for emergency signaling.
- **Stepless Dimming:** Adjustable brightness from 10% to 100% for all white/warm light modes.
- **Large Battery Capacity:** Built-in 15000mAh rechargeable battery offering 4 to 80 hours of lighting time depending on the mode and brightness.
- **Dual Charging Options:** Supports charging via USB-C cable (5V/2A input) and integrated solar panels. Note: Solar charging is primarily for outdoor emergency use and not recommended for daily primary charging.
- **Power Bank Function:** Can be used as a power bank with a 5V/1A USB output to charge electronic devices in emergencies.
- **Durable Design:** IP66 waterproof rating, suitable for use in rainy conditions (avoid prolonged exposure to heavy rain).
- **Adjustable Stand:** Features a 180° adjustable handle that doubles as a stand, allowing for flexible positioning.
- **Mounting Options:** Includes a 1/4" nut port for mounting on a light stand and integrated magnets for attaching to metallic surfaces.

## 4 LIGHTING MODES



**Figure 2.1:** Dual charging capabilities of the ERAY work light, showing both USB-C and solar panel charging options. Solar charging is recommended for emergency outdoor use.



**Figure 2.2:** Illustration of the four distinct lighting modes: White Light, Warm Light, Warm White Light, and Red Blue Strobe Light, along with stepless dimming.



## As a Power Bank(5V/ 1A Output)



Built-in rechargeable **15000mAh** battery, use as a power bank to charge your iPad, mobile phone or other electronic devices.

**Figure 2.3:** The work light functioning as a power bank, demonstrating its ability to charge external electronic devices via its USB output port.



**Figure 2.4:** Key design elements including the 180° adjustable handle, 1/4" nut port for mounting, 296 LED beads, and magnetic base for versatile placement.

### 3. Setup

1. **Unboxing:** Carefully remove the ERAY Portable LED Work Light, USB charging cable, and user manual from the packaging.
2. **Initial Charge:** For optimal performance, fully charge the work light using the provided USB cable and a 5V/2A power adapter (not included) before first use. The battery indicator lights will show charging progress.
3. **Solar Charging (Supplemental):** The integrated solar panel can provide supplemental charging, especially outdoors. Ensure the solar panel is exposed to direct sunlight for effective charging.

### 4. Operating Instructions

1. **Power On/Off:** Press the power button located on the side of the unit to turn the light on or off.
2. **Switching Lighting Modes:** Short press the power button repeatedly to cycle through the four lighting modes: White Light → Warm Light → Strong Warm White Light → Red Blue Flashing → Off.

- 3. **Adjusting Brightness (Stepless Dimming):** When in White Light, Warm Light, or Strong Warm White Light mode, long press the power button to activate stepless dimming. Release the button at your desired brightness level.
- 4. **Using as a Power Bank:** Connect your electronic device to the USB output port (5V/1A) on the side of the work light using your device's charging cable. The work light will begin charging your device.
- 5. **Positioning the Light:**
  - **Stand:** Adjust the 180° handle to position the light at the desired angle on a flat surface.
  - **Magnetic Mount:** Utilize the built-in magnets to attach the light securely to any suitable metallic surface.
  - **Light Stand:** Use the 1/4" nut port to mount the light onto a compatible light stand for elevated illumination.

5. Maintenance

- **Cleaning:** Wipe the light's surface with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the solar panel is clean for efficient charging.
- **Battery Care:** To prolong battery life, avoid completely draining the battery frequently. Recharge the light regularly, especially if it will be stored for extended periods.
- **Storage:** Store the work light in a cool, dry place away from direct sunlight and extreme temperatures when not in use.

6. Troubleshooting

Problem	Possible Cause	Solution
Light does not turn on.	Low battery.	Charge the light fully using the USB cable.
Light does not charge via USB.	Faulty USB cable or power adapter; loose connection.	Check the USB cable and adapter. Ensure connections are secure. Try a different cable or adapter.
Light does not charge via solar.	Insufficient sunlight; dirty solar panel.	Place the light in direct sunlight. Clean the solar panel surface. Remember solar charging is supplemental.
Brightness adjustment not working.	Not in a dimmable mode; incorrect operation.	Ensure you are in White, Warm, or Strong Warm White mode. Long press the power button to dim.
Power bank function not working.	Low battery; device not compatible; faulty cable.	Ensure the work light has sufficient charge. Try a different charging cable for your device.

7. Specifications

Feature	Detail
Brand	ERAY
Model Number	C3
Light Source Type	LED (296 chips)
Brightness	10000 Lumens

Feature	Detail
Battery Capacity	15000mAh Lithium Polymer
USB-C Input	5V/2A
USB Output (Power Bank)	5V/1A
Waterproof Rating	IP66
Product Dimensions	8.27"L x 2.28"W x 6.9"H
Item Weight	2.29 pounds
Included Components	1 * LED Work Light, 1 * USB Cable, 1 * User Manual

## 8. Warranty & Support

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The ERAY Portable LED Work Light Model C3 comes with a**12-month guarantee period** from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please contact ERAY customer service. Refer to the contact information provided on the product packaging or the official ERAY website.