

## WdtPro SFL046

# Wdtpro SFL046 LED Rechargeable Flashlights User Manual

Model: SFL046

## 1. INTRODUCTION

Thank you for choosing the Wdtpro SFL046 LED Rechargeable Flashlights. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new flashlights. Please read this manual thoroughly before use and retain it for future reference.

## 2. SAFETY INFORMATION

- **Eye Safety:** Do not look directly into the LED light or shine it directly into anyone's eyes. The high lumen output can cause temporary vision impairment or permanent eye damage.
- **Children:** Keep out of reach of children. Adult supervision is required when children are near or using the flashlight.
- **Heat:** The flashlight head may become warm during prolonged use on high settings. Handle with care.
- **Battery:** Use only the provided Type-C charging cable. Do not attempt to disassemble or modify the built-in battery.
- **Water Resistance:** The flashlight is IP65 waterproof, meaning it is protected against low-pressure water jets and heavy rain. It is not designed for prolonged submersion in water. Ensure the charging port cover is securely sealed before exposure to water.
- **Storage:** Store the flashlight in a cool, dry place when not in use.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 2 x Wdtpro SFL046 LED Rechargeable Flashlights
- 2 x Type-C Charging Cables
- 1 x User Manual (this document)



Figure 3.1: Package contents including two flashlights and charging cables.

#### 4. PRODUCT FEATURES

- **High Lumens Output:** Delivers up to 6000 lumens for powerful illumination.
- **Durable Construction:** Made from aerospace-grade 6061 aluminum alloy for shock resistance and durability.
- **Compact & Portable:** Measuring 5.9 inches long, designed for easy carrying in pockets, backpacks, or purses.
- **Multiple Lighting Modes:** Features High, Medium, and Strobe modes for various situations.
- **Zoomable Beam:** Adjustable focus from a concentrated spotlight to a wide floodlight.
- **LCD Digital Display:** Real-time battery indicator shows remaining power percentage.
- **USB-C Rechargeable:** Convenient and fast charging (3-4 hours for full charge), providing up to 15 hours of use.
- **IP65 Waterproof:** Resistant to rain and splashes, suitable for adverse weather conditions.

# Easy To Carry

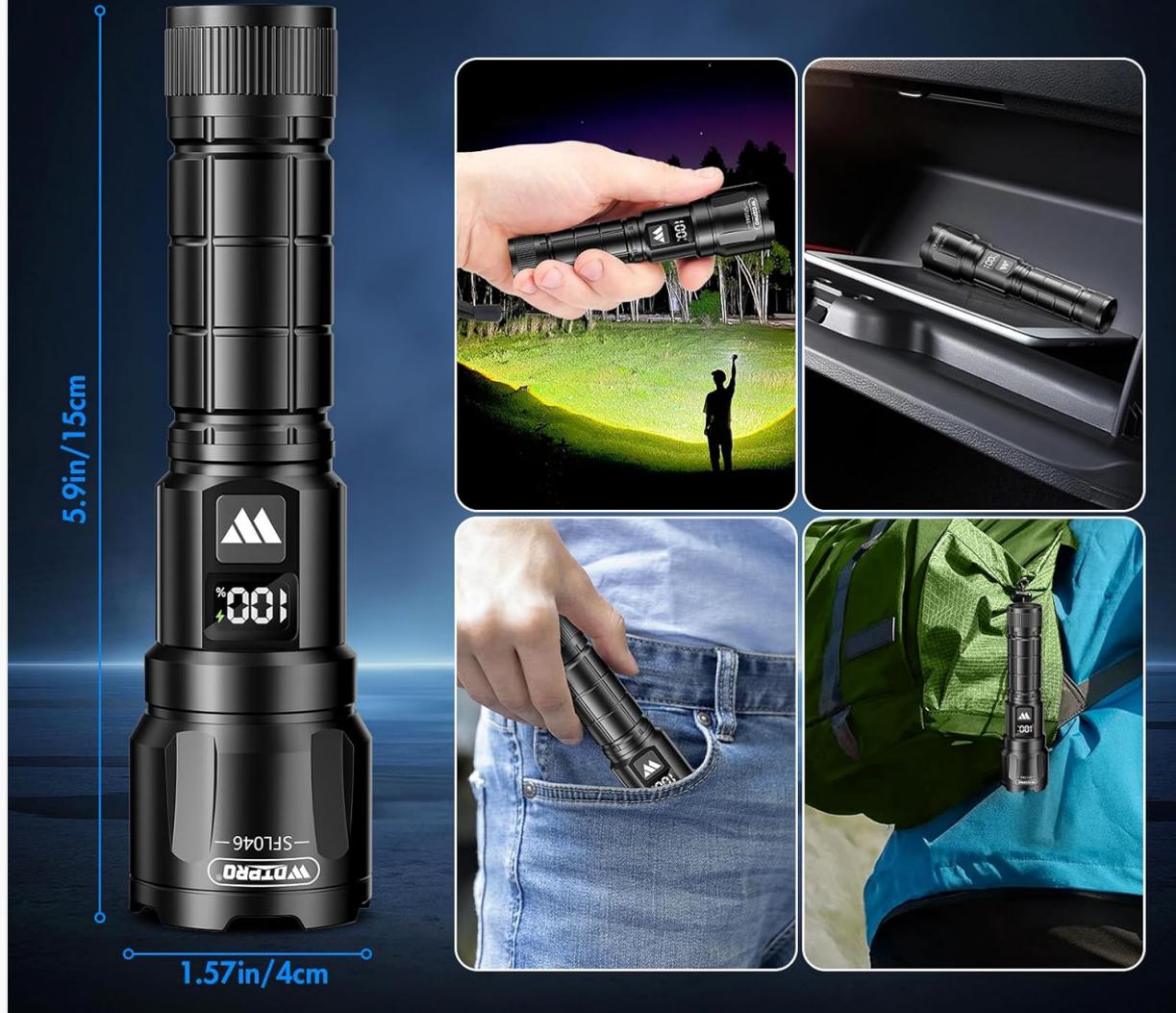


Figure 4.1: Compact and portable design for easy carrying.



Figure 4.2: IP65 waterproof rating for use in various weather conditions.

## 5. SETUP

### 5.1 Initial Charging

1. Locate the USB-C charging port on the side of the flashlight, usually covered by a rubber plug.
2. Gently lift the rubber plug to expose the charging port.
3. Connect one end of the provided Type-C charging cable to the flashlight's port.
4. Connect the other end of the cable to a compatible USB power source (e.g., wall adapter, power bank, computer USB port).
5. The LCD digital display will show the charging progress. A full charge typically takes 3-4 hours.
6. Once fully charged, disconnect the cable and securely seal the rubber plug to maintain water resistance.

## USB-C Rechargeable & Ultra-Long Battery Life



Figure 5.1: USB-C charging process and compatible power sources.

### 5.2 Attaching the Lanyard

Thread the included lanyard through the small loop located at the tail cap of the flashlight. This helps prevent accidental drops and provides a secure carrying option.

## 6. OPERATING INSTRUCTIONS

### 6.1 Power On/Off and Mode Selection

1. **Power On:** Press the power button once to turn on the flashlight. The LCD display will show the current battery percentage.
2. **Change Modes:** While the flashlight is on, press the power button repeatedly to cycle through the lighting modes: High → Medium → Strobe.
3. **Power Off:** To turn off the flashlight from any mode, press and hold the power button for 3-5 seconds. The flashlight will turn off without cycling through all modes. Pressing the button again will automatically return to the High mode.



Figure 6.1: Three distinct lighting modes for various uses.

## 6.2 Zoom Function (Spotlight/Floodlight)

The Wdtpro SFL046 features a zoomable head to adjust the beam focus:

- **Spotlight:** Extend the flashlight head forward to narrow the beam for a concentrated, long-distance spotlight.
- **Floodlight:** Retract the flashlight head backward to widen the beam for a broad, area-illuminating floodlight.



Figure 6.2: Adjusting the beam from spotlight to floodlight.

### 6.3 Battery Indicator

The integrated LCD digital display provides a real-time percentage of the remaining battery life. This allows you to monitor power levels and plan recharging accordingly.

## 7. MAINTENANCE

- **Cleaning:** Wipe the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents. Keep the lens clean for optimal light output.
- **Charging:** For optimal battery life, charge the flashlight regularly and avoid completely draining the battery frequently.
- **Storage:** If storing for an extended period, charge the flashlight to approximately 50-70% and recharge every 3-6 months to prevent battery degradation.
- **Water Resistance:** Always ensure the USB-C charging port's rubber cover is fully sealed when not charging to maintain its IP65 water resistance.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Flashlight does not turn on.	Low battery.	Charge the flashlight using the provided USB-C cable.
Light output is dim.	Low battery.	Recharge the flashlight.
Light flickers or turns off unexpectedly.	Loose connection or low battery.	Ensure the tail cap is tightened. Recharge the flashlight.
Charging not working.	Cable or power source issue.	Try a different USB-C cable or power adapter. Ensure the cable is fully inserted.
Zoom function is stiff.	Dirt or debris in the mechanism.	Gently clean the movable parts with a soft cloth. Do not force.

## 9. SPECIFICATIONS

Feature	Detail
Model Number	SFL046
Brand	WdtPro
Light Source Type	LED
Brightness	6000 Lumens (Max Output)
Material	Aerospace-grade 6061 Aluminum Alloy
Power Source	Battery Powered (Built-in Rechargeable)
Charging Type	USB-C
Charging Time	3-4 hours
Max Run Time	Up to 15 hours (normal use)
Water Resistance Level	IP65 Waterproof
Product Dimensions	0.98"D x 0.98"W x 5.9"H
Item Weight	Approx. 0.52 lbs (0.24 kg) per flashlight
Special Features	High Lumens, LCD Digital Display, Portable, Rechargeable, Zoomable

## 10. WARRANTY AND SUPPORT

The Wdtpro SFL046 LED Rechargeable Flashlights come with a **Limited Warranty**. For detailed warranty terms and conditions, please refer to the product packaging or contact WdtPro customer support.

For any questions, technical assistance, or support, please contact WdtPro customer service through the retailer where the product was purchased or visit the official WdtPro website.

## 11. PRODUCT VIDEOS

[Wdtpro LED Rechargeable Flashlights Overview](#)

Your browser does not support the video tag.

Video 11.1: A comprehensive overview of the Wdtpro LED Rechargeable Flashlights, highlighting key features and design.

### **Wdtpro Flashlights Waterproof Demonstration**

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Video 11.2: Demonstration of the Wdtpro flashlights' IP65 waterproof capabilities, showing their resilience in wet conditions.