sofirn Sofirn SC28

Sofirn SC28 Rechargeable Tactical Flashlight User Manual

Model: Sofirn SC28

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1. Introduction

The Sofirn SC28 is a versatile and powerful tactical flashlight designed for various outdoor activities, emergency situations, and daily use. It features a high-powered LED capable of delivering up to 2800 lumens, illuminating distances up to 223 meters. Its robust construction ensures durability and reliability in challenging environments.



Figure 1.1: The Sofirn SC28 Rechargeable Tactical Flashlight.

Key features include a constant circuit driver for stable brightness, multiple lighting modes accessible through

programmable settings, and a lightweight yet sturdy aircraft-grade aluminum alloy body. It is also equipped with a convenient USB-C charging port and an IPX8 waterproof rating, making it suitable for all-weather conditions.

2. Setup

2.1 Initial Battery Installation & Charging

The Sofirn SC28 comes with a pre-installed Lithium Polymer battery. Before first use, ensure to remove any insulating paper or protective film from the battery. Screw the tail cap back on securely.



Figure 2.1: Sofirn SC28 package contents, including the flashlight, USB-C cable, and user manual.

To charge the flashlight, connect the included USB-C cable to the charging port located on the flashlight body. Plug the other end of the cable into a compatible USB power source (e.g., wall adapter, power bank, computer USB port).



Figure 2.2: The Sofirn SC28 flashlight connected to a power bank for USB-C charging.

2.2 Battery Level Indicator

The flashlight features a clear LED indicator to monitor charging progress and battery level:

- **Red:** Indicates charging in progress.
- **Green:** Indicates fully charged.
- **Flashing Red:** Indicates battery level is below 25%, signaling a need for recharge.



Figure 2.3: Visual representation of the intuitive power indicator lights.

3. Operating Instructions

The Sofirn SC28 features a programmable switch with momentary operation (light press or tap) and constant on operation (press until click). It offers two main programs for different lighting needs.



Figure 3.1: Diagram illustrating the two main programs and how to change brightness levels.

3.1 Changing Brightness Levels (within a program)

- **Option 1 (Momentary):** Lightly tap the tail switch to cycle through modes (Moonlight → Low → Medium → High → Turbo).
- **Option 2 (Constant On):** Fully click the tail switch to turn the light on. Once on, lightly tap the switch to cycle through modes. Click again to turn off.

3.2 Accessing Different Programs

The SC28 features a 5-second programmable switch allowing the user to select one of two different programs (as of December 2023, Program 1 includes all modes of the previous Program 3):

1. Click to turn on the light.
2. Wait for 5 seconds until the light flashes once.
3. Double-click quickly to advance to the next program.
4. The light flashes twice indicating a successful program change.

3.3 Program Details

- **Program 1 (Duty):** Moonlight (1 Lm) → Low (100 Lm) → Medium (350 Lm) → High (1200 Lm) → Turbo (2800 Lm). This program is ideal for general use and offers a wide range of brightness.
- **Program 2 (Tactical):** Turbo (2800 Lm) → Strobe (2800 Lm) → Medium (350 Lm). This program is designed for tactical situations, providing quick access to high output and strobe.



Figure 3.2: The Sofirn SC28's powerful 2800 lumen beam illuminating up to 223 meters.

4. Maintenance

The Sofirn SC28 is built for durability and requires minimal maintenance. Its aircraft-grade aluminum alloy body provides superior impact and scratch resistance.

4.1 General Care

- Keep the flashlight clean from dirt and debris. Use a soft, damp cloth for cleaning.
- Ensure the USB-C charging port cover is securely closed when not charging, especially in wet conditions, to maintain its IPX8 waterproof rating.



Figure 4.1: The flashlight's IPX8 waterproof rating ensures functionality even in wet conditions.

4.2 Battery Longevity

To maximize battery life, recharge the flashlight when the indicator flashes red (below 25% battery). Avoid fully depleting the battery frequently.

5. Troubleshooting

5.1 Light Not Turning On

- Ensure the tail cap is fully tightened.
- Check the battery level indicator. If flashing red, recharge the flashlight.
- Verify that any insulating paper or protective film has been removed from the battery terminals.

5.2 Inconsistent Mode Switching

- Ensure you are performing the light taps or double-clicks within the specified timeframes (e.g., 0.4 seconds for quick double-clicks).
- Refer to Section 3.2 "Accessing Different Programs" to ensure you are in the desired program mode.

5.3 Overheating

The flashlight has a constant circuit driver to keep the brightness level steady and prevent it from getting too hot. If the flashlight feels excessively hot, reduce the brightness level. Ensure proper ventilation if used in enclosed spaces.

6. Specifications

Feature	Detail
Brand	sofirn
Model	Sofirn SC28
Special Feature	Rechargeable
Power Source	Battery Powered (1 Lithium Polymer battery included)
Light Source Type	LED
Material	Aircraft-grade Aluminum Alloy
Product Dimensions	5.03"D x 1.13"W x 5.03"H
Item Weight	10.2 ounces (0.64 Pounds)
Brightness	2800 Lumen (Max Output)
Light Path Distance	223 Meters (Max Throw)
Color Temperature	6000 Kelvin
Water Resistance Level	IPX8 Waterproof
Drop Test	1 Meter

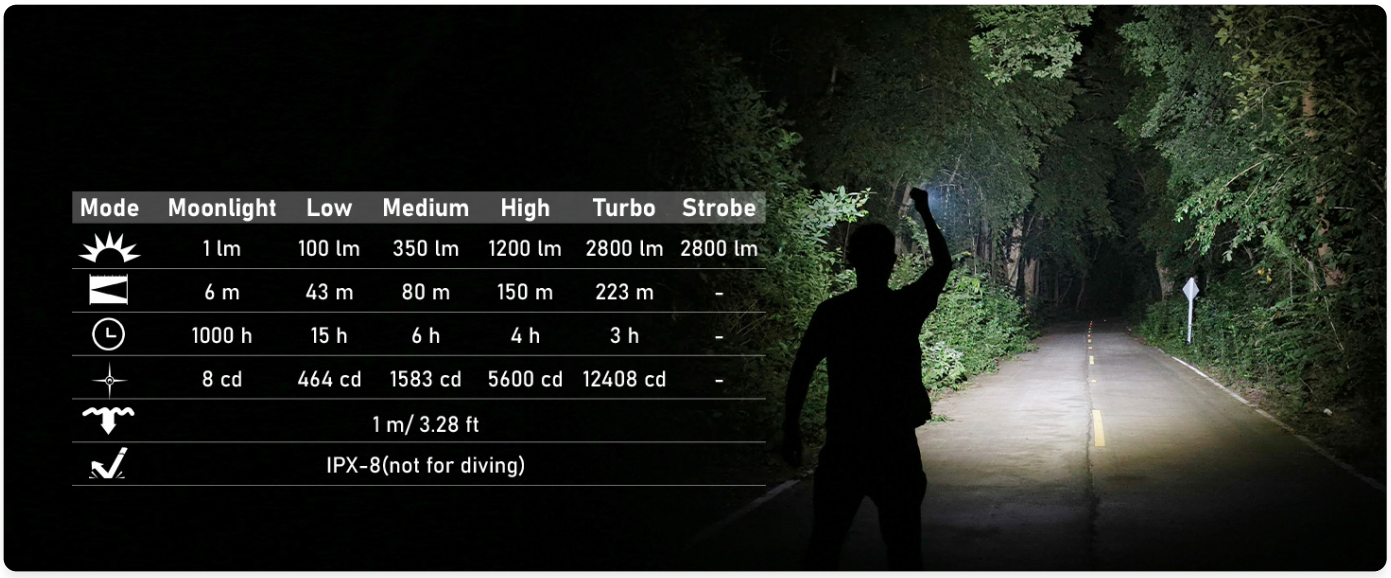


Figure 6.1: Key specifications and features of the Sofirn SC28.

7. Warranty & Support

For warranty information or product support, please refer to the documentation included in your product packaging or visit the official Sofirn website. Contact details for customer service are typically provided in the user manual or on the manufacturer's website.

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

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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