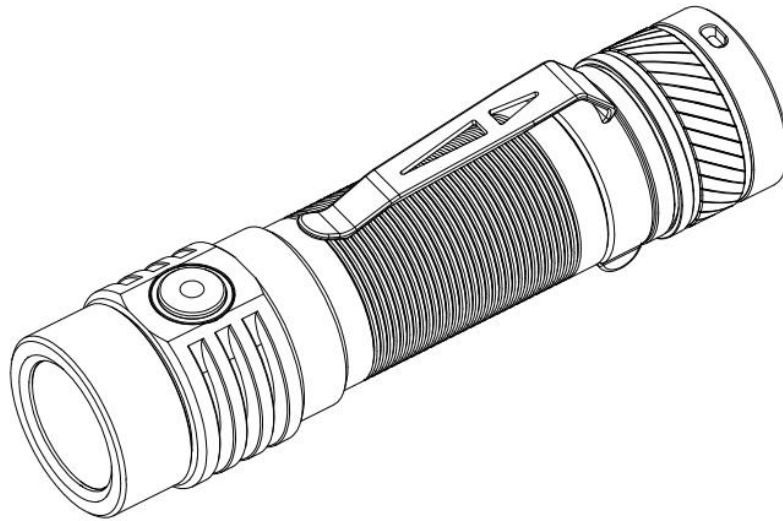


# Sofirn SC18 Manual



Thank you for purchasing this Sofirn product.

[www.sofirnlight.com](http://www.sofirnlight.com) customer support: [sofirnlight@gmail.com](mailto:sofirnlight@gmail.com)

Sofirn SC18 is the one of the most powerful compact EDC flashlights on the market. It provides an unparalleled output from 3 lumen to 1800 lumens widely used from night reading to outdoor searching, making SC18 a practical companion for everyday use.

## ANSI/NEMA FL1 Chart

Mode	Turbo	High	Medium	Low	Moon	Strobe
Luminous Flux	1800Lm	800Lm	350Lm	100Lm	3Lm	1800Lm
Runtime	2.3h	2.6h	6.3h	23h	230h	5h
Distance	217 m	150 m	97m	51m	11 m	-
Intensity	11750cd	5592 cd	2358cd	642 cd	30 cd	-
Impact resistance	2 meter / 6.56 feet					
Waterproof	IP68 (up to 2 meter under water, not for diving)					

Note

The above mentioned parameters are based on tests according to international flashlight testing standards (ANSI/NEMA FL1) using one 3000mAh 18650 Li-ion battery in our laboratory. Results may vary with different battery or under different environmental conditions.

## Specifications

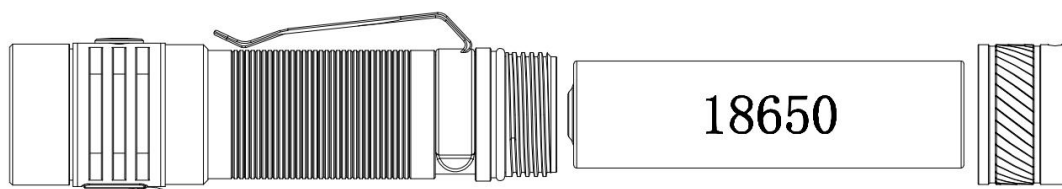
- ❖ 1 X High Power LED
- ❖ Working Voltage: 2.7V - 4.2V
- ❖ Battery Options: 1 X 18650 Li-ion battery
- ❖ Dimension: 101.5mm (length) × 24.7mm (head diameter)
- ❖ Weight: 55g (without battery)
- ❖ Flashlight body: Aerospace grade 6061 grade aluminum alloy
- ❖ USB Type-C Charging
- ❖ Mode Memory: memorizes the last brightness level used in the general modes (except Moon, Turbo and Strobe)
- ❖ Advanced Temperature Regulation (ATR) technology: ATR will adjust the brightness level automatically when the driver temperature reaches relatively high temperature to prevent overheating.
- ❖ Reverse polarity protection: it cuts off the power while battery inserted improperly.
- ❖ LVP: while on, if the battery voltage is lower than 2.7V, it turns off automatically.
- ❖ HVP: while on, if the battery voltage is higher than 4.35V, it turns off automatically.

## Battery Installation

Before first use, please unscrew the tailcap and remove the insulating film. If the battery needs to be replaced, make sure that the positive end of the new battery faces the flashlight head when you put it in.

## Battery Availability

Battery Type	Dimension & Quantity	Compatibility
Rechargeable Li-ion battery	18650 x 1	Yes



## Power Indicator

The power indicator shows the power status for 5 seconds after turning SC18 on.

**Green** = remaining battery level is good

**Red** = remaining battery power is poor.

**Flashing Red** = critical battery level, please replace or recharge your flashlight as soon as possible.

## Charging

SC18 features a USB-C charging port for convenient charging. Please connect it with the included USB-A to USB-C cable and use a USB power adapter (not included) with 5V/2A. While charging, the LED indicator flashes red. The LED indicator remains green when fully charged.

## Safety Instructions

- ❖ SC18 is a powerful flashlight. Never point it directly at a person, animal or moving vehicles. Doing so could cause retinal damage. Please do not allow children to play with it. Strobe mode may cause seizure in persons with photosensitive epilepsy.
- ❖ Operating SC18 for a long time in high powered modes will quickly heat up the flashlight. This is normal.
- ❖ Don't activate turbo mode repeatedly under high temperature to prevent the flashlight body from overheating and hurting the user's hand.
- ❖ Pay close attention to the proper installation of the battery. Always check that the negative end of the battery is visible at the tube's end before screwing the tailcap back on.
- ❖ Avoid hitting or dropping the flashlight.

## Operation Instructions

**ON/OFF:** Single click the switch to turn the light

**CHANGE BRIGHTNESS LEVEL:** When the flashlight is on, press and hold the side switch and it will, starting from the remembered brightness level, automatically cycle through Low, Medium, and High mode. The mode is selected when the switch has been released. (Please note: Moon, Turbo and Strobe are not in the automatic cycle).

**MOONLIGHT MODE:** When the flashlight is off, press and hold the side switch for over one second to access the moonlight mode. Continue to press and hold the side switch to change brightness level.

**TURBO AND RETURN:** Quickly double-click the side switch to activate the Turbo mode, single click again to return.

**STROBE AND RETURN:** When the flashlight is on, quickly triple-click the side switch to activate strobe mode. To quit this mode, single click the switch.

**LOCKOUT/UNLOCK:** When the flashlight is off, four-click the side switch to access the button lockout mode. Under the lockout mode, click or press the switch, the LED will flashes twice to signal that the flashlight is still in the lockout mode. To unlock it, four-click the switch.

## Troubleshooting and Maintenance

- ❖ Disassembling the sealed head can damage flashlight and voids warranty.
- ❖ Sofirn, Ltd. recommends using high-quality brand batteries. Damage by battery leakage voids warranty.
- ❖ Remove battery if the flashlight will not be used for an extended period of time.

- ❖ To prevent accidental activation during storage or transportation, unscrew the head by half a turn or remove battery.
- ❖ Every 6 months threads should be wiped with a clean cloth followed by a thin layer of silicone grease.
- ❖ To maintain a proper level of waterproofness, replace worn-out o-rings with an approved spare (2 pieces are shipped with initial order).
  
- ❖ Troubleshooting: Cleaning battery contacts regularly as dirty contacts may impair the performance of the flashlight. If you experience problems (flicker, shine intermittently or failure turn on) the following root causes and solutions should be tried:

Reason A: The battery needs replacement (Battery voltage is below 2.8V).

Solution: Replace battery with an approved type of fully charged battery.

Reason B: Threads, PCB board contact or other contacts are dirty.

Solutions: Please clean the contact points with a cotton swab soaked in rubbing alcohol.

If the above methods do not work please refer to the warranty policy before contacting your authorized distributor.

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**Please contact us if you have any questions.**

**If your product is defective please contact us for replacement within warranty period.**

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