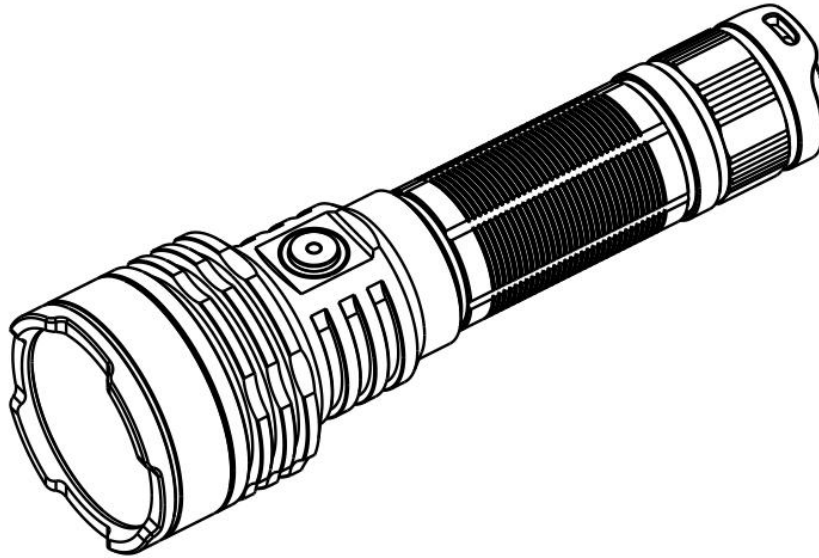


Sofirn C8L Manual



Max. output: 3100 Lumens

Thank you for buying!

If you bought on www.sofirnlight.com, please contact sofirnlight@gmail.com

If you bought on amazon store, please contact us@sofirnlight.com

No matter what, we want to hear from you!

Sofirn C8L is a powerful, versatile flashlight designed for home, EDC or outdoor activities like camping, hiking, fishing or hunting. It's operated using two switches, a tactical tail switch and a side switch. It uses one 21700 battery and features a USB-C port for convenient charging. Super bright CREE XHP50D-HI LED gives output up to 3100 lumens.

ANSI/NEMA FL1 Chart

Mode	Eco	Low	Medium	High	Turbo	Strobe	SOS	Beacon
Luminous Flux	8 Lm	100 Lm	500 Lm	1300 Lm	3100 Lm	3100 Lm	500 Lm	3100 Lm
Runtime	220h	26h	6h58min	2h28min	1h45min	-	-	-
Distance	27 m	98 m	216 m	354 m	531 m	-	-	-
Intensity	182 cd	2308 cd	11675 cd	31275 cd	70500 cd	-	-	-
Impact resistance	1 meter / 3.28 feet							
Waterproof	IPX-8 (up to 2 meter under water, not for diving)							
Beam Angle	26 degrees for throw, 82 degrees for flood							
Note	The above mentioned parameters are based on tests according to international flashlight testing standards (ANSI/NEMA FL1) using one 4800mAh 21700 Li-ion battery in our laboratory. Results may vary with different battery or under different environmental conditions. Operation temperature is 0°C - 40°C.							

Specifications:

- ❖ 1 X CREE XHP50D-HI LED
- ❖ Working Voltage: 3.0V - 4.2V
- ❖ Battery Options: One 21700 Li-ion battery or one 18650 Li-ion battery
- ❖ Dimension: 156mm (length) × 46.5mm (head diameter)
- ❖ Weight: 151 (without battery)
- ❖ Flashlight body: Aerospace grade 6061 grade aluminum alloy, CNC manufactured to hard-anodized anti-abrasive finish to get solid built body, anti-crash geometry and better heat exchange.
- ❖ Toughened mineral glass lens
- ❖ IPX8 Waterproof
- ❖ USB Type-C Charging
- ❖ Mode Memory: memorizes the last brightness level used in the general modes (Eco/Low/Med/High)
- ❖ Advanced Temperature Regulation (ATR) technology: ATR will adjust the brightness level automatically when the driver temperature reaches 50°C (122 °F) to prevent overheating

Power Indicator:

The LED indicator in the side switch shows the power status for 5 seconds after turning C8L on.

Green = remaining battery power is good.

Red = remaining battery power is poor (less than 30%).

Flashing Red = critical power, replace or recharge battery as soon as possible.

Recharging

C8L features a USB-C port for convenient recharging. Please connect it with the included USB-A to USB-C cable and use a USB power adapter (not included) with 5V 2.5A(max). While charging the LED power indicator flashes red. Once finished the indicator will turn green to indicate a full battery. It takes three hours to fully charge one 21700 4000mAh battery. Please note that while charging, the flashlight will automatically turn off, and you may single click to turn on Eco.

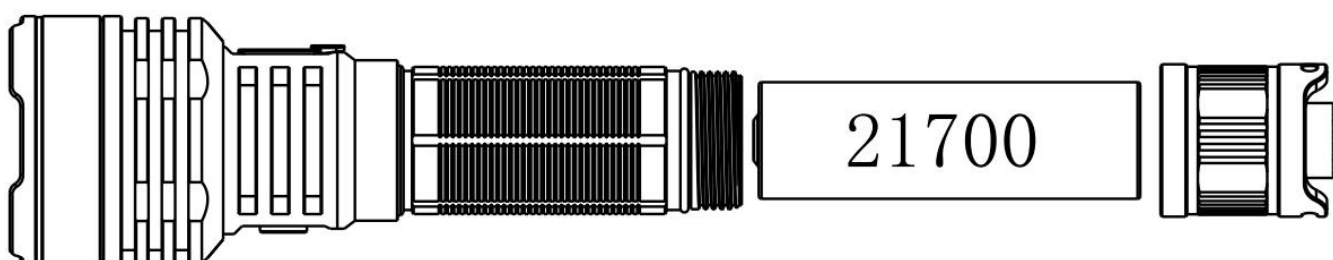
Safety Instructions:

- ❖ C8L 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.
- ❖ While charging, the flashlight only allows operation of Eco. We don't recommend using the flashlight while charging.
- ❖ Operating C8L for a long time in high powered modes will quickly heat up the flashlight. This is normal.
- ❖ 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.
- ❖ Please unscrew the tailcap half a turn to avoid unwanted activation during transport. It also prevents the battery from draining while the flashlight is in standby.
- ❖ Avoid hitting or dropping the flashlight.

Battery Specifications:

Battery Type	Dimension & Quantity	Nominal Voltage	Compatible
Rechargeable Li-ion battery	21700 x 1 (unprotected)	3.7 V	Yes (Recommended)
Rechargeable Li-ion battery	18650 x 1 (protected/unprotected)	3.7 V	Yes

Battery Installation: Unscrew the tailcap to insert one 21700 battery or 18650 battery (with adapter sleeve) with the anode side (+) towards the head and then screw tailcap back on. Both unprotected or protected button top 18650 batteries are supported, only unprotected 21700 batteries are supported.



Operation Instructions:

Group1:

Tail switch

Single press the tail switch to turn the flashlight on or off.

While OFF, double-click the tail switch to activate Turbo

Side switch

While ON, single-click the side switch to cycle through Eco-Low-Medium-High

While ON, double-click the side switch to activate Turbo

While ON, triple-click the side switch to activate Strobe

On Strobe setting, double-click the side switch to cycle through Strobe-SOS-Beacon

While OFF, hold the side switch and click the tail switch at the same time to activate Eco

Group2:

While ON, single-click the side switch to cycle through Eco-Low-Medium-High

While ON, double-click the side switch to activate Strobe

While OFF, double-click the tail switch to activate Strobe

Press and hold the side switch for 3 seconds to toggle between group1 and group 2

LED flashes twice turning on Eco to indicate that flashlight is on Group 1 setting

LED flashes twice turning on Turbo to indicate that flashlight is on Group 2 setting

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.

Manufacturer: Shenzhenshi Jinba Technology Co.,Ltd

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