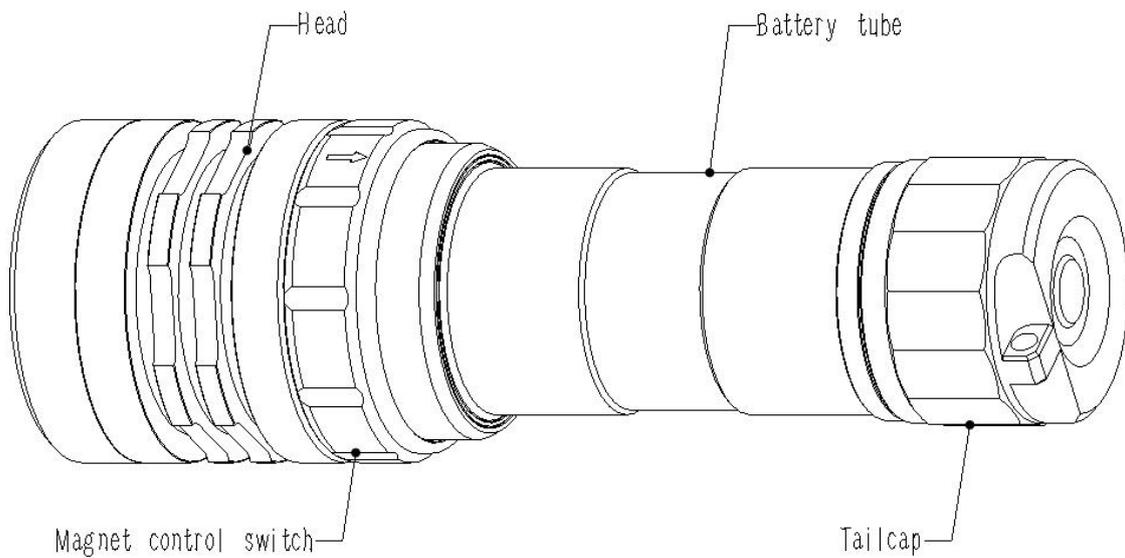


Sofirn SD05 Manual



Max. output: 2550 Lumens

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ANSI/NEMA FL1 Chart

Mode	Low	Mid	High
Output	300 Lumens	900 Lumens	2550 Lumens
Runtime	8h 16min	2h 30min	1h 38min
Distance	84m	145m	244m
Intensity	1750cd	5225cd	14875cd
Impact Resistant	1 meter / 3.28 feet		
Waterproof	IPX8 (underwater 100m)		
Accessories	Lanyard, Spare O-ring		

Notice: The above mentioned parameters are based on tests according to international flashlight testing standards (ANSI/NEMA FL1) using one 4000mAh 21700 Li-ion battery in our laboratory. Results may vary with different batteries or under different environmental conditions.

Specification:

- ✘ CREE XHP50.2 LED with a lifespan of 50,000 hours
- ✘ Working Voltage: 3V-4.5V
- ✘ Battery Options: One 21700 or 18650 Li-ion battery
- ✘ Dimension: 119mm (length)× 37.5mm (head diameter)
- ✘ Weight: 120 gram (without batteries)
- ✘ Premium type III hard-anodized anti-abrasive finish
- ✘ Magnetic rotating ring for one-handed operation
- ✘ Reverse polarity protection from improper battery installation
- ✘ Low battery warning: The flashlight is rapid flashing every minute to indicate low battery if the voltage is lower than 3 volt, please insert new battery.
- ✘ Automatic Stepdown: The flashlight will slowly steps down to lower mode after 3 minutes of operation in the high mode to prevent overheating.
- ✘ Low voltage protection: The flashlight turns off automatically if the voltage is lower than 2.6 volt. Please recharge the battery.

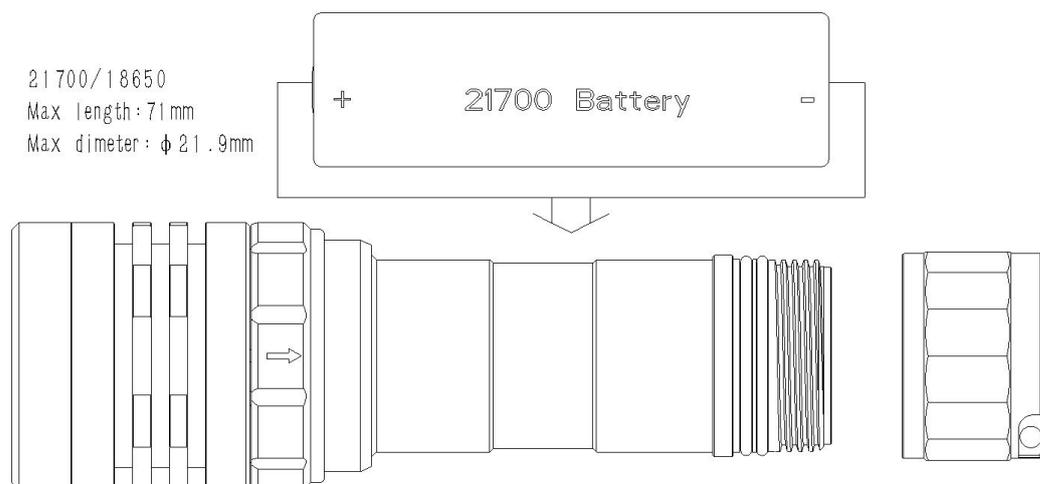
Caution:

- Do not mix used and new batteries.
- Operating for a long time in “High Powered” mode will warm flashlight up. This is normal.
- Do not stare directly into beam or point it directly into anyone's face.

Battery Specifications:

Battery Type	Dimension & Quantity	Nominal Voltage	Compatible
Rechargeable Li-ion battery	18650 x1	3.7V	Yes
Rechargeable Li-ion battery	21700 x 1	3.7 V	Yes

Battery Installation: Unscrew the tail cap to insert one 21700 or 18650 battery with the anode side (+) towards the head, and then screw tail cap back on.



Operation Instruction

Rotate the magnetic ring to turn on/off the light, to select the wanted output level. From left to right: off, Low, Medium, High

Safe Diving Illumination Design

If the detected voltage is too low for the High Mode, the output will automatically step down to prolong the runtime.

Advanced Temperature Regulation (ATR) technology

The light will accumulate a lot of heat when used at High Mode for extended periods. If the light reaches a temperature of 55°C (131 °F) or above, it will automatically step down by a few lumens until it won't get hotter.

Meanwhile, after used at High Mode for 3 minutes, the light steps down slowly until Medium Mode is reached.

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-ring 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 refund or replacement within warranty period.

Manufacturer: Shenzhenshi Jinba Technology Co.,Ltd

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