

Sofirn SP35T Manual



Thank you for purchasing this Sofirn product.

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if you need any assistance.

Sofirn SP35T is an upgraded tactical version of SP35. The output is phenomenal. With the new SP35T in Turbo mode, it can produce an incredible 3800 lumens with a 280-meter beam distance. While this is less total runtime than its predecessor, it comes at a significantly higher, more useful output. It runs on a rechargeable 21700 battery that provides exceptional versatility for everyone from campers and hunters to search-and-rescue and tactical uses. It's not a simple on-an-off interface, and you have eight brightness levels and modes to choose from, including a Strobe mode. If you are looking for a flashlight that is smaller in size but doesn't sacrifice brightness, SP35T is one of your best choices.

ANSI/NEMA FL1 Chart

Group 1 Stepped Modes	Mode	Eco	Low	Medium	High	Turbo	Strobe	SOS	Beacon
	Luminous Flux [lm]	5	100	500	1500	3800	3800	500	3800
	Runtime	220h	26h	6h 58min	2h 28min	1h 45min	-	-	-
	Beam Distance [m]	10	47	107	182	280	-	-	-
	Peak Intensity [cd]	26	550	2,858	8,258	19,625	-	-	-
Impact Resistance		1m / 3.28 ft.							
Water Resistance		IPX-8 (up to 2 meter under water, not for diving)							
Charging Specification		USB-C port, input DC 5V/2A							
Notes		The above mentioned parameters are based on tests according to international flashlight testing standards (ANSI/NEMA FL1) using one fully charged 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

- ❖ Emitter: 1x powerful LED with a lifespan of 50,000 hours
- ❖ Operating voltage: 3.0V – 4.2V
- ❖ Battery options: 1x 21700 rechargeable lithium-ion battery
- ❖ Dimension: 139.5mm (length) × 28mm (head diameter)
- ❖ Weight: 87 grams (without battery)
- ❖ Flashlight body: Aerospace grade 6061 grade aluminum alloy, CNC manufactured to hard-anodized to military grade specification type III, anti-abrasive finish to get solid built body, anti-crash geometry and better heat exchange.
- ❖ Toughened mineral glass lens
- ❖ Water resistance: IPX-8 (up to 2 meter under water, not for diving)
- ❖ Mode Memory: While on lighting mode, the flashlight memorizes the last brightness level used in the general lighting modes (Eco/Low/Medium/High)
- ❖ Advanced Temperature Regulation (ATR) technology: As the temperature rises, SP35T is programmed to automatically step down or step up the brightness. The higher the temperature gets, the more the brightness will drop. Once

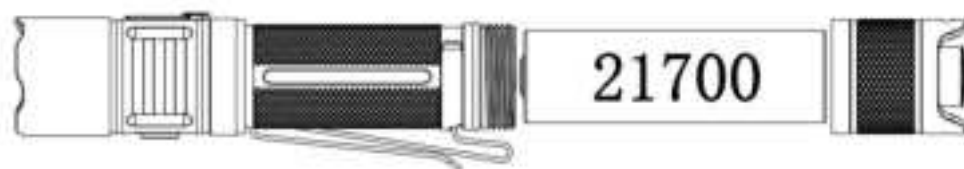
temperature decreases, brightness will be increased again according to your selected mode.

Battery Specifications

Battery Type	Dimension & Quantity	Compatibility
Rechargeable li-ion battery	21700 x 1	Yes, recommended

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.



Power Indicator

The LED indicator in the side switch shows the power status for 5 seconds after turning SP35T on.

Green = remaining battery power is 70%-100%.

Flashing Green = remaining battery power is 40%-69%.

Red = remaining battery power is 10%-39%.

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

Recharging

SP35T offers a USB-C port for convenient recharging of its battery. 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 power indicator flashes red. Once finished the indicator will turn green to indicate a full battery. While charging, the flashlight will automatically turn off. You can only access to Eco by one-click on the side switch for emergency use. It takes approximately 3 hours to charge a 4000mAh 21700 battery.

Operation Instructions

GENERAL LIGHTING MODE

ON/OFF: Single click the tail switch to turn the light ON/OFF. When the light is turned on again, it will return to the previously memorized mode.

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

TURBO: When the flashlight is on, double click on the side switch to enter Turbo, double click again to return.

QUICK ACCESS TO TURBO: When the flashlight is off, double click on the tail switch to enter Turbo.

STROBE: When the flashlight is on, triple click on the side switch to enter Strobe mode. To quit this mode, single click or press and hold the side switch. In Strobe mode, double click on the side switch to cycle through Strobe-SOS-Beacon.

ECO: When the flashlight is off, hold the side switch and single press on the tail switch at the same time to access Eco.

SWITCH BETWEEN GENERAL LIGHTING MODE AND TACTICAL MODE

When the flashlight is on, switch between general lighting mode and tactical mode by pressing and holding the side switch over 3 seconds.

LED flashes twice and the flashlight enter into Turbo to signal that tactical mode is selected.

LED flashes twice and the flashlight enter into Eco to signal that general lighting mode is selected.

TACTICAL MODE:

ON/OFF: Single click the tail switch to turn the light ON at Turbo (Please note: brightness levels are not memorized).

CHANGE BRIGHTNESS LEVEL: When the flashlight is on, single click on the side switch and it will cycle through Medium and Turbo

QUICK ACCESS TO TURBO: When the flashlight is ON fast double click on the side switch to access Turbo

QUICK ACCESS TO STROBE: When the flashlight is off, fast double click on the tail switch to access Strobe

Safety Instructions

- ❖ SP35T 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 SP35T 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.

Troubleshooting and Maintenance

- ❖ Disassembling the sealed head can damage the flashlight and voids the warranty.
- ❖ Sofirn, Ltd. recommends using high-quality brand batteries. Damage by battery leakage voids the warranty.
- ❖ Remove the battery if the flashlight will not be used for an extended period of time.
- ❖ To prevent self-discharge or accidental activation during storage or transportation, unscrew the tailcap by half a turn or remove the 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.
- ❖ Troubleshooting: Clean 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 a replacement (battery voltage is below 2.8V).

Solution: Replace the battery with an approved type of a 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.

Reason C: The flashlight will not turn on upon first use.

Solution: Please do not forget to remove the insulating film from the battery on first use.

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

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