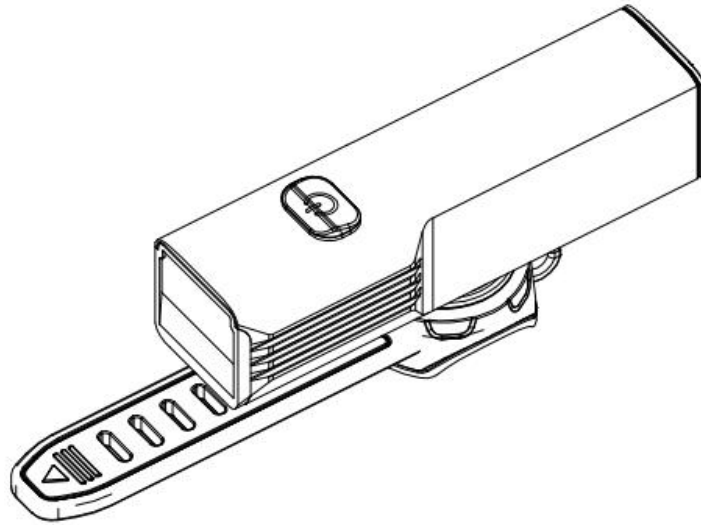


SOFIRN BS01 Manual



Thank you for purchasing Sofirn products.

Contact us@sofirnlight.com or eu@sofirnlight.com if you need assistance.

The Sofirn BS01 bike light is a powerful and versatile lighting solution for cyclists. With a maximum output of 2000 lumens and a range of up to 277 meters, it provides exceptional visibility and illumination for riding. Featuring six different brightness levels, including a strobe and SOS mode, the BS01 allows for customized lighting options to suit any need. The Smart mode, which automatically turns the light on and off based on movement, further enhances convenience and safety.

ANSI/NEMA FL1 Chart

Mode	Low	Medium	High	Turbo	Strobe	SOS
Luminous Flux [lm]	50	150	500	2000	500	500
Runtime [h]	38	14	3.5	3	-	-
Beam Distance [m]	47	86	156	277	-	-
Peak Intensity [cd]	558	1842	6075	19233	-	-
Impact Resistance	1m / 3.28 ft.					

Water Resistance	IP65
Notes	The above mentioned parameters are based on tests according to international flashlight testing standards (ANSI/NEMA FL1) using a 5,000mAh 21700 Li-ion battery in our laboratory. Results may vary with different battery or under different environmental conditions.

Specifications

- ❖ Emitter: A powerful and high-efficiency LED with a lifespan of 50,000 hours
- ❖ Operating voltage: 3V – 4.2V
- ❖ Battery options: 1x 21700 rechargeable lithium-ion battery
- ❖ Size: 32 mm × 30 mm × 112.8 mm
- ❖ Weight: 168 grams
- ❖ Bike light body: A6061-T6 aluminum alloy.
- ❖ Water resistance i.a.w. IP65
- ❖ Standby Current: ≤100uA.
- ❖ Charging specification: 5V/3A
- ❖ Cut-off line: The design of the cut-off line prevents the light from shining into the eyes of oncoming pedestrians, cyclists, or motorists, and helps reduce the risk of accidents caused by glare.

Battery Specification

Battery Type	Dimension & Quantity
Rechargeable lithium-ion battery	21700 x 1

Battery Level Indicator

After turning on the BS01, the power status indicator will display for 5 seconds.

Green = remaining battery power is 50%-100%.

Red = remaining battery power is 25%-50%

Flashing Red = remaining battery power is lower than 25%

Charging and Reverse Charging

While charging the bike light, the indicator will flash in red. Once it's fully charged, the indicator will turn green.

While using the bike light as a portable charger, there is no LED indicator to show the charging status. However, if the bike light has a low battery level, the LED indicator will flash red.

Operation Instructions

ON/OFF: Press and hold the switch to turn the light on or off. Note that when turning off the light by holding the switch, the smart mode will also be disabled.

BATTERY LEVEL CHECK: Single-click the switch to check the current battery level. The indicator will light up for 5 seconds.

CHANGE BRIGHTNESS LEVEL: When the light is on, single-click the switch to cycle through Low, Medium, High, and Turbo modes. The selected mode is activated when the switch is released.

DIRECT ACCESS TO STROBE MODE: When the light is on or off, quickly double-click the switch to activate Strobe mode. To return to the previously used mode, single-click the switch again.

DIRECT ACCESS TO SMART MODE: When the light is on or off, quickly triple-click the switch to activate Smart mode. The light blinks once, and the LED indicator stays on for 3 seconds to signal that you have entered Smart mode. To turn off Smart mode, triple-click the switch again. The light blinks twice to signal that you have turned off Smart mode.

SMART MODE: When the BS01 is on, the LED indicator will light up if the light does not detect any movement. The bike light will turn off automatically after 30 seconds of no movement, and turn on again when it detects motion.

Safety Instructions

- ❖ The BS01 is a powerful bike light. Do not point it directly at a person as this can cause retinal damage. Keep it away from children to prevent accidents. Strobe mode may trigger seizures in individuals with photosensitive epilepsy.
- ❖ When operating the BS01 for an extended period of time in high-powered modes, the light will heat up quickly. This is normal.
- ❖ To prevent damage, avoid hitting or dropping the light.
- ❖ The battery is already installed. Please do not attempt to remove the battery.

Troubleshooting and Maintenance

- ❖ Store the light in a cool and dry place to avoid damage caused by humidity or extreme temperatures.
- ❖ Keep the light away from direct sunlight or other heat sources when not in use.
- ❖ Do not disassemble the light or attempt to repair it yourself, as this may void the warranty and cause damage to the light.

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If you have any questions or concerns, please don't hesitate to contact us. We're always here to help.

If your product is defective, please contact us within the warranty period for a replacement. We'll be happy to assist you with the process.

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