

Users Guide:
StenLight™ S7 Advanced LED Light (rev. 1.0.1)

Operation

The S7 uses a simple, robust, long-throw switch with four predefined brightness settings. If the light is facing away from you with the switch handle on the left side, Off is Up (12 O’Clock), and increasingly bright settings are placed every 45 degrees counterclockwise (10:30, 9 o’clock, 7:30, and 6 o’clock for Low, Medium, High, and Turbo).

All brightness settings are current and temperature regulated. Turbo and High provide tremendous brightness when you need it, while the Medium and Low power settings provide enough light to see your way around in the dark while running for more than 24 hours. The “Off” setting draws an insignificant amount of power -- you can leave your battery connected indefinitely.

Usage Tips

- To tell if your battery is running low, occasionally switch it between High and Turbo. If you can’t tell the difference, your battery is at least 90% discharged. You should perform this check before going on-rope or into a tight space where changing your battery would be difficult. When the battery is very close to fully discharged, the light will usually keep getting gradually dimmer; but it is possible for it to cut off suddenly.
- When you plug in a battery, the light may flash briefly even if it is turned off. This is normal.

Specifications

Power source: 6 to 18 volts DC at up to 1A (Turbo requires at least 7 volts)
Weight: 4.2 ounces (125 grams)
Dimensions: 2.2" wide x 1.6" high x 1.7" deep, including swivel & switch
(5.5 x 4.0 x 4.3 cm)
Brightness: approximately 5, 15, 55, and 100-140 lumens

Alternate Power Sources

The StenLight LG723 Lithium Ion battery is an optimal power source for the S7 light for many applications. However, we understand that not everyone’s requirements are the same. The StenLight S7 is designed to work over a wide input voltage range, but it is most efficient (about 96%) running from a 2-cell lithium ion battery or a 6-cell nickel-cadmium or nickel-metal-hydride battery. It is about 93% efficient running from 12 volts.

Before hooking up the StenLight to any power source other than a StenLight brand battery, **you must verify correct polarity with a voltmeter or other reliable measurement to avoid the risk of damage to the lamp or power source.** Then, try the StenLight while it is turned on the Low setting; if it doesn’t immediately work disconnect it promptly and verify the power source. The diagram below shows the correct connector polarity:



Safety Information

- Always carry a spare light source at all times. You should never trust your life to a single light source, no matter how reliable. A backup battery is recommended for long periods of use.
- Do not let the StenLight shine in anyone’s eyes, especially on High or Turbo mode.
- The unit will become hot if used in Turbo mode in still air for more than a few minutes (up to 140°F/60°C). The temperature is regulated to prevent damage to LEDs and to prevent burns, but the lamp may be uncomfortable to hold.
- This equipment is not approved for flammable atmospheres.

Exposure to Water

Every StenLight S7 unit is tested to the equivalent of a depth of 20 feet of water. However, higher pressure or underwater shock could cause water to leak inside the unit, causing malfunction or damage. Please follow those tips to avoid damage from water.

- After exposure to water, open the connector between the battery and lamp and shake out excess water. Periodically test all brightness levels to verify correct operation. If the unit will not turn off or seems stuck in turbo mode, **disconnect the battery immediately** and discontinue use until the unit has been dried out.
- Avoid prolonged underwater use, especially in salt water. Always disconnect the battery when washing the light.

Warranty and Return Policy

The StenLight S7 light is warranted for one year warranty against defects in materials and manufacturing from the original date of purchase, subject to the following exclusions:

- Damage due to water entering the light is not covered if you open the lamp case. We can only guarantee the reliability of water seals we have inspected and tested.
- Damage due to reverse polarity, alternating current, or voltages over 18 volts are not covered. Connection to power sources other than StenLight brand batteries and cables is at your own risk.
- Damage due to physical abuse or normal wear and tear is not covered.
- Any damage or liability due, directly or indirectly, to using the light contrary to the recommendations of this manual is not covered.

Prior to returning merchandise, email a description of the problem to us at support-s7c@stenlight.com to obtain a Return Merchandise Authorization (RMA) number for tracking purposes.

Further information is available at:
<http://www.stenlight.com/s7c/>

SERIAL NUMBER: