SD10 Diving flashlight

The SD10 utilizes motion control technology to simplify the user-interface of diving lights. A simple shake of the light is all you need for output selection while the twisty ON/OFF switch is locked to prevent possible flooding by over turning. Powered by one 18650 or two CR123A batteries, this 100-meter submersible light puts out 930-lumen neutral white output with 300-meter beam distance.

Technical Parameters

ANSI/NEMA FL1	High	Mid	Low
4h 14hOUTPUT	930 lumens	385 lumens	110 lumen
DISTANCE1h 30min RUNTIME	300m (Max)		
INTENSITY	22500cd (Max)		
IMPACT RESISTANT	1m		
WATERPROOF	IPX-8，underwater 100 meters		
ACCESSORIES	Lanyard, spare O-ring		

Notice: The above-mentioned parameters (lab-tested by Fenix using ARB-L2S 18650 Li-ion battery) are approximate and may vary between flashlights, batteries and environments.

● Utilizes Cree XM-L2 (T6) neutral white LED with a lifespan of 50,000 hours
● Uses one 18650 rechargeable Li-ion battery or two CR123A batteries
● 144 mm (Length) × 26 mm (Body Diameter) × 40 mm (Head Diameter)
● 160-gram weight (excluding batteries)
● Digitally regulated output - maintains constant brightness
● Intelligent thermal control to avoid overheating
● Low-voltage warning function to remind users of low power
● Reverse polarity protection to protect from improper battery installation
● Locked twist switch to prevent possible flooding by over turning
● Motion control or twist switch for output selection
● Enlarged lanyard hole for quick attachment
● Made of durable aircraft-grade aluminum
● Premium Type III hard-anodized anti-abrasive finish
● Toughened ultra-clear glass lens with anti-reflective coating

Operation

On/off

Turn the tail cap counterclockwise all the way to the end to turn the light on, to turn the light off, just turn the tail cap in a clockwise just enough for the light to turn off.

Output selection

SD10 features motion control technology and twist tail cap switch for output selection.

Motion control

Slightly shake the light to change the output of the light in the order of High > Mid > Low.

Twist tail cap switch

Twist the tail cap switch to turn off the light and turn on again within one second to cycle three brightness in the order of High>Mid>Low.

Intelligent thermal control

SD10 will accumulate a lot of heat when it is working in High output. When overheating is detected, the light will automatically lower the output to prevent overheating and resume full output when the temperature drops. You can manually resume full output of the light by shaking the light or twisting the tail switch.

Low-voltage Warning Function

When the voltage level drops below the preset level, the flashlight will downshift to a lower brightness level. When the voltage level drops below the threshold voltage in Low output mode, the flashlight will blink three times every five minutes to remind you to replace the battery.

Battery Specifications

Type	Dimensions	Nominal voltage	Usability	
FENIX ARB-L2 Series	18650	3.7V/3.6V	Recommended	√
Non-rechargeable Battery (Lithium) CR123A	3V	Recommended	√	
Rechargeable Battery (Li-ion)	16340	3.7V/3.6V	banned	✖
Rechargeable Battery (Li-ion)	18650	3.7V/3.6V	Cautious*	!
Rechargeable Battery （LiFePO4）	16340	3.2V	Usable	√
Rechargeable Battery （LiFePO4）	18650	3.2V	banned	✖

Warning: Please do not mix batteries of different brands, size, capacity or type. Doing so

may cause damage to the flashlight or the batteries being used.

*18650 Li-ion batteries are powerful cells designed for commercial applications and must be treated with caution and handled with care. Quality batteries with circuit protection will reduce the potential risk for combustion or explosion but cell damage or short circuiting are potential risks the user assumes.

Battery Replacement
Unscrew the light head to insert the batteries with the anode side (+) towards it, then align the threads and screw it back on.

Usage and Maintenance
◎Please don't disassemble the sealed head, doing so can cause damage to the flashlight and will void the warranty.
◎We recommend the use of high quality battery. If the flashlight is not to be used for an extended period, remove the battery, or the flashlight could be damaged by electrolyte leakage or battery explosion.
◎The O-ring may be worn out after using for a long time. If this happens, please replace the O-ring with a new one to keep the flashlight properly sealed against water.
◎Please clean the contacts of your light from time to time, especially if the light flickers or doesn't light up. There may be several reasons for a flickering or not working light:
Reason A: The battery needs replacing.
Solution: Replace the battery (Please confirm the correct installation of anode and cathode).
Reason B: The threads, PCB board contact or other contacts are dirty.
Solution: Clean the contact points with an alcohol soaked cotton swab.
If the above methods don't work, please refer to the warranty policy.

Product Warranty
We will replace products with manufacturing defects within 15 days of purchase and repair a light free of charge within 24 months of purchase if problems develop with normal use; if repair is required after 24 months from the date of purchase, we will charge for parts. The total repair fee is dictated by the cost of the replaced materials.

Product Registration
We kindly suggest that you register your product on the official website of Fenixlight Limited (www.fenixlight.com). You'll receive an extra six months of warranty coverage once you have successfully registered. By participating in an optional customer survey, you are entered in a drawing for free Fenix products.

Warning
SD10 is a high-intensity lighting device capable of causing eye damage. Avoid shining the light directly into anyone's eyes.

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