







Fenix SD11 Flashlight

Technical Parameters

ANSI/ PLATO FL1	White Light		R+*
	High	Low	
 Output	1000 Lumens	500 Lumens	250 Lumens
 Runtime	2h	3h 40min	3h
 Distance	45m	30m	23m
 Intensity	505cd	225cd	132cd
 Impact Resistance	1m		
 Waterproof	IP68, underwater 100m		
Accessories	Lanyard, spare O-ring, long and short thumb screws, flashlight clip, camera mount		

Notice: The abovementioned parameters (lab-tested by using one Fenix 3.6V/3500mAh rechargeable Li-ion battery) are approximate and may vary between flashlights, batteries and environment.

*"R+" is the combination of neutral white light and red light, which is the supplementary lighting for deep-water photographing. It is super ideal for better color rendering in deep-water environments where red light is desperately needed for viewing and photographing.

- Uses Cree XM-L2 U2 neutral white LED and Cree XQE red LED, with a lifespan of 50,000 hours
- Powered by one 18650 rechargeable Li-ion battery or two CR123A Lithium batteries
- 138mm Length x 26mm Body diameter x 34mm Head diameter
- 132.5 grams (excluding battery)
- 110°super wide beam angle for even and soft lighting effect
- Specialized flashlight clip and camera mount for photographing; suitable for most sports and DSLR cameras

- Combined output of neutral white and red light -- ideal supplementary lighting for deep-water photographing.
- Magnetic rotating ring for one-handed operation
- Battery level indication
- Illumination design for safe diving
- Dual layer body structure; corrosion resistant
- Tail cap with big buckle for fast and convenient extraction
- Digitally regulated output maintains constant brightness
- Reverse polarity protection to protect from improper battery insertion
- Made of durable aircraft- grade aluminum
- Premium type III hard-anodized anti-abrasive finish

Operation Instruction

Rotate the magnetic ring to turn on/off the light, to select the wanted output level, and to check the battery level. From left to right: **Battery level**, R+, Off, White low, White high.

Battery Level Indication

Rotate the magnetic ring to the battery icon. There are three statuses:

Red light constantly on: Sufficient

Red light slow flash: Low

Red light quick flash: Critical, replace the battery soon as possible

** Safe Diving Illumination Design

1. If the detected voltage is lower than the preset voltage when used on High output or Low output, the output will automatically step down to prolong the runtime.

2. If the detected voltage is lower than the preset voltage when used on the combination light mode, the red light will go out and the white light will automatically step down, thus to remind of battery replacement as soon as possible.

Intelligent Overheat Protection

The light will accumulate a lot of heat when used at High output level for extended periods. If the light reaches a temperature of 65°C or above, it will automatically step down by a few lumens until 700 lumens output is reached. When the temperature is reduced, the output will gradually return to High output level.

Battery Specifications

Type	Dimension	Nominal Voltage	Usability	
------	-----------	-----------------	-----------	--

	S			
Fenix ARB-L2 Series	18650	3.6/3.7V	Recommended	✓✓
Fenix ARB-L18 Series	18650	3.6/3.7V	Recommended	✓✓
Non-rechargeable Battery (Lithium)	CR123A	3V	Usable	✓
Rechargeable Battery (LiFePO ₄)	16340	3.2V	Usable	✓
Rechargeable Battery (Li-ion)	18650	3.7V	Caution*	⚠
Rechargeable Battery (Li-ion)	16340	3.7V	Banned	×
Rechargeable Battery (LiFePO ₄)	18650	3.2V	Banned	×

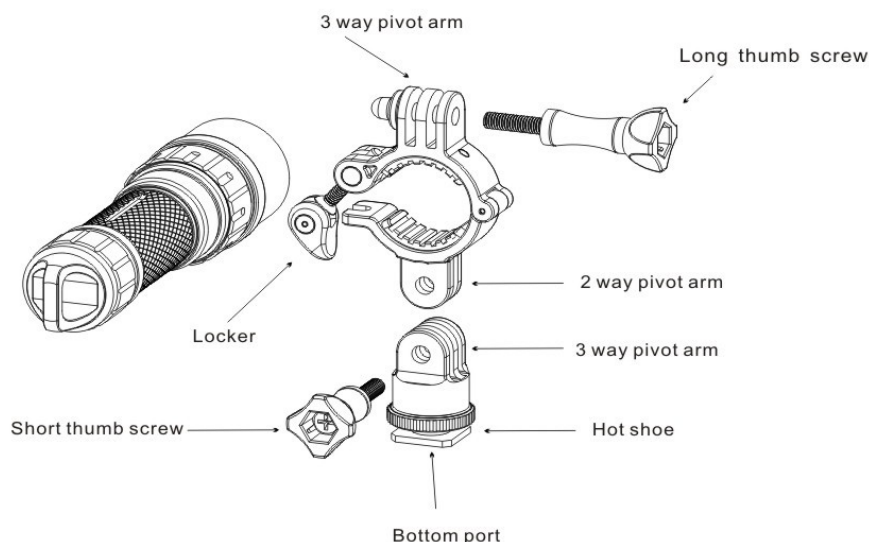
Warning: Do not mix batteries of different brands, sizes, capacities or types. Doing so may cause damage to the flashlight or the batteries being used.

*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 for combustion or explosion but cell damage or short circuiting are potential risks to the user.

Battery Replacement

Unscrew the tail cap to insert the battery with the anode side (+) towards the light head, then screw the tail cap back on.

Accessories Assembling



With the sports camera

1. Mount the flashlight to the flashlight clip, tighten and close the locker (available flashlight diameter ranges 23-26mm).
2. Connect the **3 ridges pivot** arm of the flashlight holder and the **2 ridges pivot** arm of the waterproof cover of the sports camera; tighten the long thumb screw.
3. Connect the **2 ridges pivot** arm of holder and other accessories or the handheld floating bar; tighten the short thumb screw.

With the camera hot shoe adapter

1. Mount the flashlight to the flashlight clip, tighten and close the locker (available flashlight diameter ranges 23-26mm).
2. Connect the **2 ridges pivot** arm of the flashlight holder and the **3 ridges pivot** arm of the camera mount, tighten the short thumb screw.
3. Connect the camera mount and the hot shoe of the camera, tighten the hand gear.
4. The bottom port can be connected with the tripod via a cradle.

Usage and Maintenance

- Disassembling the sealed head can cause damage to the light and will void the warranty.
- **Fenix recommends using excellent quality battery.**
- **If the light will not be used for an extended period, remove the battery, or the light could be damaged by electrolyte leakage or battery explosion.**
- Long-term use can result in O-ring wear. To maintain a proper watertight seal, replace the ring with an approved spare□
- Periodic cleaning of the battery contacts improves the lamp's performance as dirty contacts may cause the lamp to flicker, shine intermittently or even fail to illuminate for the following reasons:

A: The battery needs replacing.

Solution: Replace battery (Ensure battery is inserted according to the manufacturer's specifications).

B: The threads, PCB board contact or other contacts are dirty.

Solution: Clean the contact points with a cotton swab soaked in rubbing alcohol.

If the above methods don't work, please refer to the warranty policy before contacting your authorized distributor.

Warning

The flashlight is a high-intensity lighting device capable of causing eye damage to the user or others. Avoid shining the flashlight directly into anyone's eyes.