



**LD09** 2015 EDITION  
Max 220 Lumens

User manual

Illuminate Your Adventure

## Fenix LD09 Flashlight

Fenix LD09 employs intelligent drive circuit, for the compatibility with one 14500 rechargeable Li-ion battery, it delivers maximum 220 lumens output, features 3 brightness levels plus SOS. The one-hand tactical tail switch highlights its compact body size for convenient operation. As an EDC flashlight integrates high performance and long standby time, it must be the indispensable companion not only for you but also for your family and friends.

- ✦ Utilizes Cree XP-E2 (R3) LED with a lifespan of 50,000 hours
- ✦ Powered by one 14500 rechargeable Li-ion battery or one 1.5V AA (Ni-MH/Alkaline) battery
- ✦ 94mm (length) x 19mm (diameter)
- ✦ 35 grams (excluding battery)
- ✦ Digitally regulated output maintains constant brightness
- ✦ Reverse polarity protection, to protect from improper battery installation
- ✦ Over-heat protection to avoid high-temperature of the surface
- ✦ Tactical tail switch for one-key operation
- ✦ Made of durable aircraft-grade aluminum
- ✦ Premium type III hard-anodized anti-abrasive finish
- ✦ Toughened ultra-clear glass lens with anti-reflective coating

## Technical Parameters

ANSI/NEMA FL1	General Mode			SOS	
	High	Mid	Low		
OUTPUT 14500	Alkaline/Ni-MH	130 Lumens	50 Lumens	3 Lumens	50 Lumens
	14500	220 Lumens			
RUNTIME	Ni-MH	1h45min	8h5min	70h	/
	Alkaline	50min	5h	43h	/
	14500	1h*	5h35min	58h	/
DISTANCE	120m (Max)				
INTENSITY	3600cd (Max)				
IMPACT RESISTANCE	1m				
WATERPROOF	IPX-8, underwater 2m				
SPILL BEAM ANGLE	70°				
ACCESSORIES	Lanyard, holster, body clip, spare O-ring, AA battery x 1				

Notice: The above-mentioned parameters (lab tested by Fenix using one 2500mAh Ni-MH battery, included Alkaline battery and Fenix ARB-L14-300 14500 rechargeable Li-ion battery) are approximate and may vary between flashlight, batteries and environments.

\* When uses 14500 rechargeable Li-ion battery, the light will automatically turn to lower output from High after working 5 minutes, the runtime of the High brightness level is accumulated time.

## Operation Instruction

### ON/OFF

Tap the tail switch to turn on the light temporarily, fully press it to turn ON/OFF the light.

### Output Selection

When the light is off, press the tail switch again in 1 second to cycle through Low→Mid→High→SOS.

When the needed brightness level selected, fully press the switch to lock and constantly power the light, and press again to unlock and turn off the light.

The light will not memorize brightness level more than 1 second after it is turned off. Each time it will activate at Low

brightness level.

Note: Each time the light is turned on, it will automatically check present battery voltage and determine circuit operating mode.

### Over-heat Protection

When uses 14500 rechargeable Li-ion battery, the light will automatically turn to 130 lumens from High after working 5 minutes for preventing the light from overheating.

## Battery Replacement

Unscrew the light body to insert the batteries with the anode side (+) toward the light's head, screw the light body back on.

## Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Fenix ARB-L14-300 (Li-ion)	14500	3.6V	Recommended	✓
Ni-MH Battery	AA	1.2V	Recommended	✓
Alkaline Battery	AA	1.5V	Usable	✓
Non-rechargeable Battery (Lithium)	AA	1.5V	Usable	✓
Rechargeable Battery (LiFePO4)	14500	3.2V	Usable	✓
Rechargeable Battery (Li-ion)	14500*	3.6-3.7V	Usable	✓

Warning: \*14500 rechargeable Li-ion batteries are recommended 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.

## 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 flashlight will not be used for an extended period, remove the battery, or the flashlight could be damaged by electrolyte leakage or battery explosion.
- Unscrew the tail cap one-half turn or take out the battery to prevent accidental activation during storage or transportation.
- Continuous working at High brightness level, the light may activate over-heat protection or light beam trembling, to maintain normal status, please lower the brightness level to cool down the flashlight.
- Long-term use can result in O-ring wear. To maintain a proper water seal, replace the ring with an approved spare.
- Periodic cleaning of the battery contacts improves the flashlight's performance as dirty contacts may cause the flashlight to flicker, shine intermittently or even fail to illuminate for the following reasons:  
Reason A: The batteries need replacing.  
Solution: Replace batteries (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 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.

Notice: The routine cleaning video can be watched and downloaded through Fenix official website, please log onto the service channel->"maintenance for light".

## Product Warranty

Fenix will replace products with documented manufacturing defects within 15 days of purchase and repair a light free of charge within 5 years of purchase if problems develop with normal use; if repair is required after 5 years from the date of purchase, Fenix will charge for parts. The total repair fee is dictated by the cost of the replaced materials.

## Product Registration

Fenix suggests you register your product on the official website for Fenixlight Limited ([www.fenixlight.com](http://www.fenixlight.com)). You can get an extra six-month warranty period once you have successfully registered. By participating in an optional customer survey, you are entered in a drawing for free Fenix products.

## Warning

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