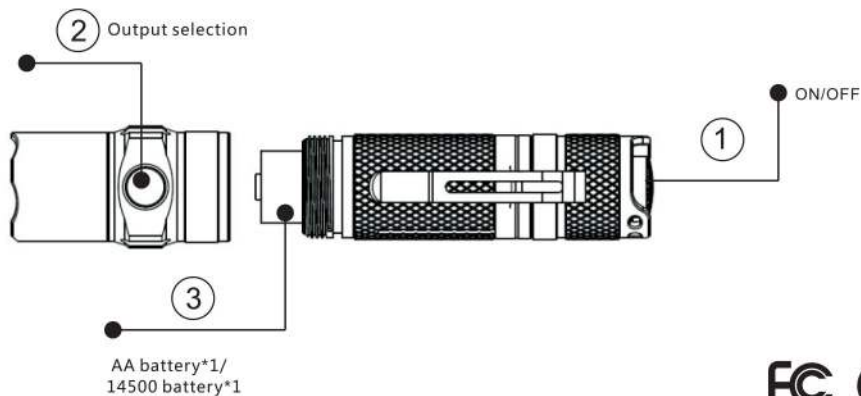




**LD12** 2017 Edition

Max **320 Lumens**

User Manual



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**(ENGLISH) Fenix LD12 LED Flashlight**

- Uses Cree XP-G2 R5 neutral white light LED with a lifespan of 50,000 hours.
- Powered by a 14500 rechargeable Li-ion battery with button top or one AA battery
- 102.5mm Length x 21.5mm Head diameter x 20.5mm Body diameter
- 56 grams (excluding battery)
- Digitally regulated output maintains constant brightness
- Low-voltage reminder reminds when battery replacement is needed
- Over-heat protection to avoid high temperature of the surface
- Anti-roll and anti-slip body design
- Tactical tail switch for momentary-on activation
- Side switch for output selections
- Made of durable aircraft-grade aluminum
- Premium type III hard-anodized anti-abrasive finish
- Toughened ultra-clear glass lens with anti-reflective coating

**Battery Specifications**

TYPE	DIMENSIONS	NOMINAL VOLTAGE	USABILITY	
Fenix ARB-L14-800	14500	3.6V	Recommended	✓✓
Fenix ARB-L14-1600U	14500*	1.5V	Recommended	✓✓
Ni-MH Battery	AA	1.2V	Recommended	✓✓
Alkaline Battery	AA	1.5V	Usable	✓
Non-rechargeable Battery (Lithium)	AA	1.5V	Usable	✓
Rechargeable Battery (Li-ion)	14500**	3.7V	Usable	✓

\*14500 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 the user assumes.

\*\*The usage mode of ARB-L14-1600U is the same as AA battery.

\*\*Please take the button-top 14500 rechargeable Li-ion battery with circuit protection.

**Operation Instruction**

The tail cap switch is the power switch (ON/OFF) and the side button switch is the mode switch.

**① ON/OFF**

Tap the power switch to momentarily turn on the light, release the power switch and the light will go out. Fully press the power switch to turn on the light and lock it, another press to unlock and turn it off.

**② Output Selection**

When the light is on, single-click the mode switch to cycle through Low→Mid→High→Turbo.

Press and hold the mode switch for about 0.5 seconds to enter Strobe, single-click the mode switch to return back to General Mode.

**Intelligent Memory Circuit**

The flashlight memorizes the last-used brightness level in the General Mode, the next time it is turned on, it will recall that previously used General brightness level.

**Over-heat Protection**

When uses 14500 rechargeable Li-ion battery, the light will automatically downshift to 150 lumens from Turbo after working 5 minutes to prevent the light surface from overheating.

**Low-voltage Reminder**

When the voltage level drops below the preset level, the flashlight is programmed to downshift to a lower brightness level until to Low output. When this happens in Low output mode, the flashlight blinks three times every five minutes to remind you to charge the light or replace the battery. To ensure normal use, the flashlight will not turn off automatically and will work till the battery runs out completely or the over-discharge protection stops the battery from working.

Note:

1. Each time the light is turned on, it will automatically check present battery voltage and determine corresponding circuit operating mode.
2. The low-voltage reminder only works on 14500 rechargeable Li-ion battery.
3. For handy operation, the light will automatically downshift the output level in cycle when the battery level is poor.

**Battery Replacement**

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

**Technical Parameters**

ANSI/PLATO FL1	General Mode					Flash Mode
	Turbo	High	Med	Low	Strobe	
<b>OUTPUT</b>	Ni-MH/Alkaline 14500 320 Lumens	70 Lumens	30 Lumens	5 Lumens	150 Lumens 320 Lumens	
<b>RUNTIME</b>	Alkaline 50min	3h	9h 40min	40h	/	
	Ni-MH 14500	1h 45min 1h*	5h 40min 3h30min	13h 11h	60h 50h	
<b>DISTANCE</b>	94m/135m	67m	45m	18m	/	
<b>INTENSITY</b>	2,200cd/4,500cd	1,100cd	500cd	80cd	/	
<b>IMPACT RESISTANCE</b>	1m					
<b>WATERPROOF</b>	IPX-8, underwater 2m					
<b>ACCESSORIES</b>	Lanyard, AA battery, spare O-ring, body clip					

Notice: The above-mentioned parameters (lab-tested by using Fenix 14500 rechargeable Li-ion battery 3.6V/800mAh, 2500mAh Ni-MH and the included Alkaline battery) are approximate and may vary between flashlights, batteries and environments.  
 \*When using a 14500 rechargeable Li-ion battery the LD12 will automatically lower its brightness out of Turbo after working 5 minutes due to heat protection. Therefore, the runtime of the Turbo mode is the accumulated time of resetting the turbo.

**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 light body one-half turn or take out the battery to prevent accidental activation during storage or transportation.
- 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.  
 Reason B: The batteries need cleaning.  
 Solution: Replace batteries (Please confirm the correct installation of anode and cathode).

Reason B: The threads, PCB boards 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 light directly into anyone's eyes.

**Available Accessories**

Type	Model
Diffuser Tip	AOD-S
Filter Adapter	AOF-S
Traffic Wand	AOT-S

Note: For full details about available accessories, please visit the Fenix website, click on Products followed by clicking through to the Accessories page.