Fenix LD50 Flashlight

The ultra compact LD50 outdoor flashlight provides unmatched flexibility and reliability. It can be powered by one or two 18650 batteries. The side-by-side reflector design makes the light usable even when one of the LEDs is compromised. The flat body design plus the built-in belt clip make it comfortable to hold and easy to carry. Utilizing two CREE XM-L2 LEDs, the LD50 offers 1800-lumen output, five brightness levels and instant strobe function.

Technical Parameters

ANSI/NEMA FL1	General Mode					Strobe
	Turbo	**High**	**Mid**	**Low**	**Eco**	
☀ **OUTPUT**	1800 Lumens	750 Lumens	350 Lumens	140 Lumens	25 Lumens	1800 Lumens
🕐 **RUNTIME**	1h35min*	4h	10h	25h	150h	
◣ **DISTANCE**	270m（Max）					
◎ **INTENSITY**	18500cd（Max）					
✔ **IMPACT RESISTANT**	1m					
〜 **WATERPROOF** IPX-8（underwater 2m						
ACCESSORIES	Holster, lanyard, two spare O-rings and Hexagon wrench					

Notice: The above-mentioned parameters (lab-tested by Fenix using 3400mAh ARB-L2S rechargeable Li-ion battery) are approximate and may vary between flashlights, batteries and environments.

*The flashlight will drop down into the High brightness level after working about 10 minutes in the Turbo mode. Therefore, the runtime of Turbo output is an accumulated time.

◎Utilizes two Cree XM-L2 (U2) LEDs with a lifespan of 50,000 hours
◎Powered by two 18650 rechargeable Li-ion battery or four 3V CR123A Lithium batteries
◎138mm (Length) x 53mm (Width) x 27mm (Height)
◎220-gram weight (excluding batteries)
◎Digitally regulated output - maintains constant brightness
◎Low-voltage warning function to remind you to replace the battery
◎Reverse polarity protection guards against improper battery installation
◎Over-heat protection to avoid high-temperature of the surface
◎Ultra compact and flat body design
◎Built-in belt clip
◎Intuitive one-button operation

◎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
Press and hold the button for 0.5 seconds to turn the light on or off
Output selection
With the light on, press the button to cycle through five brightness levels in the order of Turbo>Eco>Low>Mid>High.
Instant strobe
When the light is turned on:
Press and hold the button for one second to activate strobe, press the button again to return the light to normal lighting mode.
When the light is turned off:
Press and hold the button for one second to activate strobe mode temporarily until the button is released
Intelligent Memory Circuit
The flashlight memorizes the last brightness level used but it will not remember strobe mode. The next time you turn the flashlight on, it will light up at the last used brightness level.
Over-heat Protection
LD50 will accumulate a lot of heat when it is working in Turbo output. To avoid overheating, it will automatically drop down into the High brightness level after working in Turbo output for 10 minutes. If the non-stop Turbo output is needed, just reset it again.
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 of Eco output, 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	3.6V/3.7V	Recommended	√
Non-rechargeable Battery (Lithium)	CR123A	3V	Usable	√
Rechargeable Battery (Li-ion)	16340	3.6V/3.7V	Banned	✘
Rechargeable Battery (Li-ion)	18650	3.6V/3.7V	Cautious*	!
Rechargeable Battery 〔LiFePO$_4$〕	16340	3.2V	Usable	√
Rechargeable Battery 〔LiFePO$_4$〕	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 /16340 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 tail cap to insert the batteries with the anode side (+) toward the light's head, screw the tail cap back on.

The light can be powered by one 18650 battery or two CR123A batteries loaded in a single battery compartment. Under this condition, only the corresponding LED will light up and the runtime of each brightness level remains the same but the output is reduced by half.

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.
◎Take out the battery to prevent accidental activation during storage or transport.
◎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 orientation of positive and negative ends).
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
LD50 is a high-intensity lighting device capable of causing eye damage. Avoid shining the light directly into anyone's eyes.