







Fenix HL50 Headlamp

The Fenix HL50 Headlamp steps in with 365 lumens in Burst mode and the ability to use either CR123A or AA batteries. Neutral white light means superior definition and penetration in high-humidity environments. Pop the lighting head out for handheld or keychain use with the always-ready HL50.

Technical Parameters

ANSI/NEMA FL1		General Mode			Burst
		High	Mid	Low	
 OUTPUT	CR123A Battery	170 Lumens	60 Lumens	4 Lumens	365 Lumens
	Ni-MH AA Battery	150 Lumens	55 lumens	3 lumens 285 lumens	
 RUNTIME	CR123A Battery	3h	9h45min	150h	/
	Ni-MH AA Battery	2h	6h20min	110h	
 DISTANCE	77m (Max)				
 INTENSITY	1480cd (Max)				
 IMPACT RESISTANT	1m				
 WATERPROOF	IPX-8□underwater 2m				
EXTRA FUNCTION					
ACCESSORIES O-ring, AA battery extension tube					

- © Utilizes Cree XM-L2 T6 neutral white LED with a lifespan of 50,000 hours
- © Uses one 3V CR123A Lithium battery, compatible with AA (Ni-MH, Alkaline) battery
- © 63.8mm×32mm×30mm (2.51inch x1.26inch x1.18inch)
- © 57-gram□1.83oz□ weight (excluding battery)
- © Digitally regulated output - maintains constant brightness

- ⊙ Reverse polarity protection to protect from improper battery installation
- ⊙ All-function switch in the head for easy and fast operation

⊙ **High output Burst mode**

- ⊙ Made of quality aluminum alloy and stainless steel
- ⊙ Premium Type III hard-anodized anti-abrasive finish
- ⊙ Toughened ultra-clear glass lens with anti-reflective coating

Notice: The above-mentioned parameters (lab-tested by Fenix using CR123A battery and 2500mAh Ni-MH battery) are approximate and may vary between headlamps, batteries and environments.

Operation

On/Off Operation

Press the button on the head to activate the HL50

Press and hold the button on the head for 0.5 seconds to turn off the light off.

Brightness Selection

With the headlamp on, Press the button on the head to change brightness levels in the order of High → Low → Mid.

Burst Mode

Press and hold the button for one second to activate the Burst mode. When the button is released, the HL50 returns to the previous condition.

Intelligent Memory Circuit

The headlamp memorizes the last used brightness level. The next time you turn on the headlamp, it will light up at the last used brightness level.

Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Non-rechargeable Battery (Lithium)	CR123A	3V	Recommended	√
Rechargeable Battery (Li-ion)	16340	3.7V	Banned	×
Rechargeable Battery (LiFePO ₄)	16340	3.2V	Banned	×
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	Banned	×

*Warning:

1. Please do not use the banned batteries, or they will cause damage to the headlamp.
2. Please do not mix using batteries of other manufacture, capacity, size or type. Doing so will cause damage to the batteries or headlamp.

3. Remove batteries from the light for long-term storage to avoid electrolyte leakage or battery explosion.

Battery Replacement

CR123A battery

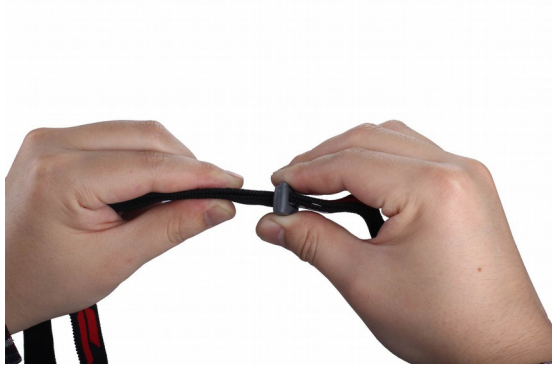
Unscrew the tail cap to insert the battery with the anode side (+) toward the light head.

AA battery

Unscrew the tail cap and add the extension tube to the body of the light. Insert the battery with the anode side (+) toward the light head before screwing the tail cap back on.

Adjust the headband

1 **Change the location of the spring clip to adjust the length of the headband to fit your head size.**



2 **Attach the end of the headband to itself via the end clip**





Using HL50 as a keychain light

- 1, Remove the lighting head from the headlamp holder
- 2, Detach the light from the headband

Usage and Maintenance

ⓄPlease don't disassemble the sealed head, as doing so can cause damage to the light and will void the warranty.

ⓄUse only recommended high performance batteries with this high discharge light: A Ni-MH rechargeable cell is recommended as alkaline batteries will reduce the light's runtime.

ⓄWe recommend the use of high quality battery. If the headlamp is not to be used for an extended period, remove the battery, or the headlamp could be damaged by electrolyte leakage or battery explosion.

ⓄThe O-ring may be worn out after using for a long time. If it happens, please replace the O-ring with a new one to keep the light 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 inoperative light:

Reason A: The battery needs replacing.

Solution: Replace the battery with positive (+) and negative (-) terminals properly aligned.

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 contact the distributor and 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 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

HL50 is a high-intensity lighting device capable of causing eye damage. Avoid shining the light directly into the eyes.

