







Fenix™ HL21

Fenix HL21 is an extremely lightweight high-intensity headlamp designed for outdoor sports, such as hiking, climbing, etc. The multiple brightness levels with a max 97-lumen output can meet your needs of illumination and runtime in various outdoor conditions. In the meanwhile, the compact and lightweight design is suitable for longtime wearing. Therefore, with the waterproofing to IPX-8 Standard and the portable integrated design, HL21 can ensure you a smooth and satisfying outdoor life unconditionally.

Technical Parameters

ANSI/FSC	High	Low	Mid
 OUTPUT	97 LUMENS	3 LUMENS	47 LUMENS
 RUNTIME	2h 3min	53h	5h 43min
 DISTANCE	93 m		
 INTENSITY	2158cd		
 IMPACT RESISTANT	1 m		
 WATERPROOF	IPX-8, underwater 2m		
EXTRA FUNCTION			
ACCESSORY			

- ⊙ Uses Cree XP-E LED with a lifespan of 50,000 hours
- ⊙ Uses one 1.5V AA (Ni-MH, Alkaline) battery
- ⊙ 66mm (Length) * 33.7mm (Width) * 48.8mm(Height)
- ⊙ 41.1-gram weight (excluding battery)
- ⊙ Digitally regulated output - maintains constant brightness
- ⊙ Reverse polarity protection, to protect from improper battery installation
- ⊙ Push button switch
- ⊙ Made of high-quality plastic and aluminum alloy
- ⊙ The aluminum alloy has the premium Type III hard-anodized anti-abrasive finish
- ⊙ Toughened ultra-clear glass lens with anti-reflective coating

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

Operation Instruction

Light turning on/off

Depress the button switch in the top of the battery case to turn the light on/off;

General mode

When turn on the light, it will enter into the general mode automatically. Depress and hold the button switch (for over 1 second), the light can select brightness levels in the order of High→Low→Mid→Cycle. The light can memorize the working brightness level within 1 second;

Mode selection

When the light is on, a fast double depress on the button switch can transfer between the general mode and the SOS flashing mode.

Battery Specifications

Type	Dimensions	Nominal voltage	Usability	
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	✗

Battery Replacement

Unscrew the tail cap (the side without the button switch) to put in the battery with the cathode side (-) toward the tube bottom, screw the tail cap back on to test.

Usage and Maintenance

⊙ Please do not disassemble the sealed head, doing so can cause damage to the light and will void the warranty.

⊙ High-power light should use battery with high current discharge capability; We suggest using high-performance Ni-MH rechargeable battery, using alkaline battery will decrease the runtime of this high-intensity light.

⊙ Please use batteries of high quality, and take out the battery if you do not use the light for a long time, or the light can be damaged by electrolyte leakage or battery explosion which is caused by low quality battery.

⊙ 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 not working light:

Reason A: The battery needs replacing.

Solution: Replace the battery (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 an alcohol soaked cotton swab.

If the above methods don't work, please contact the distributors and refer to the warranty policy.

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

We will replace products afflicted 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.

Warranty Card Registration

We kindly suggest that you register your guarantee card on the official website of Fenixlight Limited. You can get an extra six-month warranty period once you have successfully registered. What's more, you could take part in the lottery of questionnaire at the same time.

Warning

HL21 is a high-intensity lighting device and capable of causing eye damage, avoid shining the light directly into the eyes.

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