Fenix HM23 Headlamp

Technical Parameters

ANSI/ PLATO FL1	High	Med	Low
☀ **Output**	240 lumens	70 lumens	4 lumens
🕐 **Runtime**	8 hours*	16 hours	100 hours
◣ **Distance**	53 meters	30 meters	9.5 meters
◎ **Intensity**	830 candela	<mark>280</mark> candela	22 candela
✔ **Impact Resistance**	2 meters		
〰 **Waterproof**	IP68, underwater 2 meters		

Testing conditions: The results above are retrieved with single AA alkaline battery under an environment temperature of 21°C±3 °C and a humidity of 50%-80%.

*The high output is measured in total of runtime including output at reduced levels due to temperature or protection mechanism in the design.

Note: The runtime will be prolonged if alkaline battery with larger capacity is used.

- <mark>Cree neutral white LED with a lifespan of 50,000 hours.</mark>
- Powered by one AA (alkaline/ Ni-MH) battery.
- Size: 2.74'' Length x 1.57'' Height x 1.26'' Width (69.5 x 40 x 32 mm).
- Weight: 1.52 oz /43 g (excluding battery).
- Max 240 lumens and max 100 hours runtime.
- Three output levels for kinds of lighting demands.
- Digitally regulated output maintains sectional constant brightness.

- Reverse polarity protection to protect improper battery insertion.
- One-switch control ensures easy and fast operation.
- Low-voltage warning reminds when battery replacement needed.
- Made of quality aluminum and silicone - tough and durable.

Operating Instruction ①

On/off

Press and hold the switch for 0.5 seconds to turn on/off the light.

Output Selection

With the lamp switched on, single click the switch to cycle through Low→Med→High.

Note: Low mode is activated by default when the lamp is turned on.

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	Caution*	!
Rechargeable Battery (Li-ion)	14500	3.7V	Banned	×

*Disposable lithium battery: it can be used if the voltage is below 1.5V; or it may cause damage to the lamp if the voltage exceeds 1.5V.

Warning: 1. Do not use the banned battery in case of circuit component damage that is resulted from overvoltage burnout.

2. If the lamp will not be used for an extended period, remove the battery from the lamp in case of damage by electrolyte leakage.

Battery Replacement ②

Unscrew the battery cap to insert the battery in accordance with the polarity marks, then screw the battery cap back on.

Low Voltage Warning

With the lamp switched on, and the voltage level drops below the preset level, the lamp is programmed to downshift to a lower brightness level until low output is reached. When this happens in low output, the lamp blinks to remind you to replace the battery. To ensure normal use, the lamp will not turn off automatically and will work till the battery level runs out.

Headband Assembly ③

Notice: The headband is factory assembled by default.

Step 1: Attach the headband to the headlamp as shown (Pic Ⅰ-Ⅷ).

Step 2: Adjust the headband by sliding the buckle to required length.

Usage and Maintenance

- Disassembling the sealed head can cause damage to the lamp and will void the warranty.
- Loosen the battery cover 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 lamp's performance as dirty contacts may cause the lamp to flicker, shine intermittently or even fail to illuminate for the following reasons:
  A: The battery needs replacing.
  Solution: Replace battery (Ensure battery is inserted according to the manufacturer's specifications).
  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 contact your authorized distributor.

Included

HM23 headlamp, Alkaline AA battery, Hollow headband, Silicone holder, Spare O-ring, Warranty card, User manual

Warning

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