







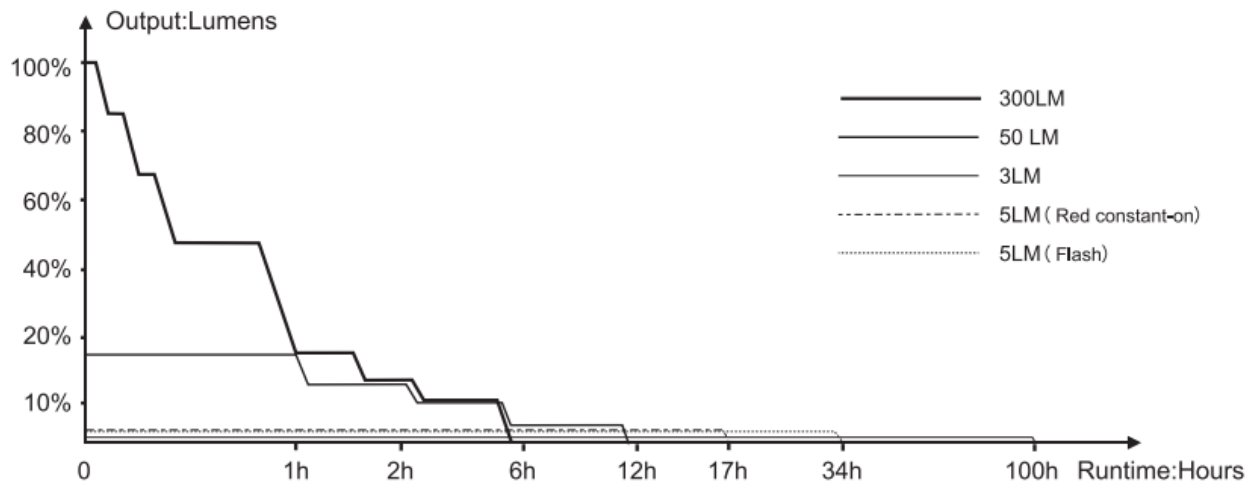
(ENGLISH)Fenix HM23 V2.0 headlamp

Technical Parameters

ANSI/PLATO FL1		White light			Red light	
		High	Med	Low	Constant-on	Flash
 OUTPUT		300 lumens	50 lumens	3 lumens	5 lumens	5 lumens
 RUNTIME	AA battery	5 hour 22 minutes*	11 hour 30 minutes	100 hours	17 hours	34 hours
	ARB-L14-2200U	9 hours *	14 hours	90 hours	18 hours	36 hours
 DISTANCE		88 meters	34 meters	8 meters	5 meters	/
 INTENSITY		1930 candela	284 candela	16 candela	5 candela	/
 IMPACT RESISTANCE		2 meters				
 SUBMERSIBLE		IP68				

Note: According to the ANSI/PLATO FL1 standard, the above specifications are from the results produced by Fenix through its laboratory testing using one Pairdeer AA battery or ARB-L14-2200U battery under the temperature of 21±3°C and humidity of 50% - 80%. The true performance of this product may vary according to different working environments and the actual battery used.

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



*The runtime graphic only indicates the total runtime of the included AA battery.

Warning

- Ⓞ Do NOT place this headlamp in the reach of children!
- Ⓞ Do NOT shine the headlamp directly into the eyes of anyone!
- Ⓞ Do NOT place light head near flammable objects, high temperatures can cause objects to overheat and become flammable/ignite!
- Ⓞ Do NOT use the headlamp in inappropriate ways such as holding the unit in your mouth, doing so could cause serious personal injury or death if the headlamp or internal battery fails!
- Ⓞ This headlamp will accumulate a significant amount of heat while operating, resulting in a high temperature of the headlamp shell. Pay close attention to avoid burns.
- Ⓞ Turn off and lock the headlamp or take out the battery to prevent accidental activation during storage or transportation.
- Ⓞ The LEDs of this headlamp are not replaceable; so the whole headlamp will need to be replaced when any of the LEDs reaches the end of its lifespan.

Product features

- Ⓞ 300 lumens maximum output, 80 meters maximum beam distance.
- Ⓞ Utilizes one Luminus SST20 white LED and two 2835 red LEDs; with a life span of 50,000 hours each.
- Ⓞ Powered by one AA battery and compatible with one 1.5V 14500 rechargeable battery.

◎White and red light sources assist various lighting needs in different outdoor scenarios.

◎Electronic lockout avoids accidental activation.

◎Large side switch for fast and simple operation.

◎Can be used as a headlamp and flashlight.

◎Magnetic tail for hands-free use.

◎Reverse polarity protection to protect from improper battery insertion.

◎Lamp body is made of aluminum alloy material, lightweight and durable.

◎IP68-rated protection and 2 meters impact resistance.

◎Headlamp(including mount): 2.90" x 1.42" x 1.18"/73.6 × 36 × 30 mm.

◎Weight: 3.04 oz/86.3 g (including battery and headband).

Operating Instructions

On/off

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

Mode switching

With the lamp switched off, press and hold the switch for 0.5 seconds to turn on the lamp and enter the White light mode.

With the lamp switched off, double click the switch within 0.5 seconds to turn on the lamp and enter the Red light mode.

Output selection

White light mode: single click the switch to cycle through Low→Med→High.

Red light mode: single click the switch to cycle through Constant-on→Flash.

Lockout Function

Lock: with the lamp switched off, press and hold the switch for 3 seconds, the lamp will blink red 4 times at 2Hz

to indicate locked status.

Unlock: with the lamp locked, press and hold the switch for 3 seconds, the lamp will be activated on the Low output of White light mode after blinking red 4 times at 2Hz to indicate the unlocked status.

In the locked status, a single click or double click of the switch will activate 4 red blinks to indicate the locked status.

*Note: With the light locked, remove and re-insert the battery, the light will not be unlocked automatically. You must still press and hold the switch for 3 seconds to unlock the light.

Intelligent Memory Circuit

The headlamp automatically memorizes the last selected output of each mode. When turned on again the previously used output of selected mode will be recalled.

Battery Specifications

Type	Dimensions	Nominal voltage	Usability	
Alkaline Battery	AA	1.5V	Recommended	√√
Ni-MH Battery	AA	1.2V	Usable	√
Fenix ARB-L14-U Series	14500	1.5V	Usable	√
Rechargeable Battery (Li-ion)	14500	3.6V	Banned*	×

*It is recommended to use a 1.5V alkaline battery. The headlamp is compatible with either a Fenix ARB-L14-U series rechargeable battery or a Ni-MH battery with a voltage of 2.0V or lower. Using a battery with a voltage exceeding 2V will cause damage to the headlamp.

Battery Replacement

Unscrew the battery cap and insert the battery with the anode side (+) towards the inner side, then screw the battery cap back on.

Low-voltage Warning

When the voltage level drops below the preset level, the headlamp is programmed to downshift to a lower brightness level until the lowest output is reached. When this happens in the lowest output, the lamp blinks 3 times every 5 minutes to remind users to replace the battery.

Headband Assembly

The headband is factory assembled by default.

Adjust the headband by sliding the buckle to the required length.

Usage and Maintenance

ⓄDisassembling the sealed head can cause damage to the lamp and will void the warranty.

ⓄFenix recommends using an excellent quality battery.

ⓄIf the lamp will not be used for an extended period, remove the battery, or the lamp could be damaged by electrolyte leakage.

ⓄLock the lamp or take out the battery to prevent accidental activation during storage or transportation.

Ⓞ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 lamp is locked.

Solution: Press and hold the switch for 3 seconds to unlock the lamp.

B: Poor battery level.

Solution: Replace the battery (Ensure the battery is inserted according to the manufacturer's specifications).

C: 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 the distributor.

Included

Fenix HM23 V2.0 headlamp, AA battery, Spare O-ring, User manual, Warranty card