







# Fenix HL16 Headlamp

## Technical Parameters

ANSI/PLATO FL1		White Light				Red Light	
		Turbo	High	Med	Low	Red Light	SOS
 <b>Output</b>		450 lumens	150 lumens	50 lumens	5 lumens	5 lumens	5 lumens
 <b>Runtime</b>	<b>AAA Battery</b>	3 hours *	8 hours	27 hours	100 hours	100 hours	200 hours
 <b>Distance</b>		104 meters	58 meters	32 meters	10 meters	6 meters	6 meters
 <b>Intensity</b>		2700 candela	846 candela	261 candela	24 candela	10 candela	10 candela
 <b>Impact Resistance</b>		1 meter					
 <b>Water Resistant</b>		IP66					

Note: According to the ANSI/PLATO FL1 standard, the above specifications are from the results produced by Fenix through its laboratory testing using 3 x AAA batteries 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 Turbo output is measured in a total of runtime including output at reduced levels due to temperature or protection mechanism in the design.

## Warning

- Do place this headlamp out of the reach of children!
- Do NOT shine the headlamp directly into the eyes of anyone!
- Do NOT shine flammable objects at close range, to avoid burning objects or causing danger due to high temperature!
- Do NOT use the headlamp in inappropriate ways such as biting in the mouth, to avoid personal injury or life threats when the headlamp or internal battery fails!
- This headlamp will accumulate a lot of heat while working, resulting in a high temperature of the headlamp shell. Pay attention to safe use to avoid scalding.
- Turn off and lock the headlamp or remove the battery from the headlamp to prevent accidental activation when the headlamp is placed in a closed and flammable environment such as pockets and backpacks!
- The LED of this headlamp is not replaceable; so the whole headlamp should be replaced when the LED reaches the end of its life.

## Product Features

- 450 lumens maximum output, 104 meters maximum beam distance.
- Use a Luminus SST20 white light and 2835 red light LED with a lifespan of 50,000 hours.
- White and red light sources for a variety of lighting demands.
- Easy and fast operation with dual switch.
- 60° tilt mechanism directs the beam where needed.
- Perforated and widened reflective headband for comfortable use, sweat-wicking and breathable, safety tips.
- The electronic lockout function avoids accidental activation.
- Made of quality PC and aluminum, lightweight and wear-resistant.
- Size: 2.52" x 1.89" x 1.06" / 64 x 48 x 27 mm.
- Weight: 3.43 oz / 97.2 g (including battery and headband).

## Operating Instruction

## **Switches**

Right: for on/off, mode switching, lockout function, output selection on white light mode.

Left: for on/off, mode switching, lockout function, output selection on red light mode.

## **On/off**

With the headlamp switched off, press and hold the right switch for 0.5 seconds to enter the white light mode.

With the headlamp switched off, press and hold the left switch to enter the red light mode.

With the headlamp switched on, press and hold either of the switches for 0.5 seconds to turn off the headlamp.

## **Mode switching**

With the headlamp switched on, single click the left/right switch to enter the previously used output on white light mode or to enter red light mode.

## **Output Selection**

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

**Red light mode:** single click the left switch to cycle through Red light→SOS.

## **Lock/Unlock**

**Lock:** when the lamp is switched off, simultaneously press the two switches for 3 seconds, the lamp will blink red 4 times to indicate locked status.

**Unlock:** when the lamp is locked, simultaneously press the two switches for 3 seconds, the lamp will be activated with 4 one-second red blinks and activated on Red Light.

In locked status, clicking or pressing the switches will activate 4 one-second red blinks to indicate locked status.

## **Intelligent Memory Circuit**

The headlamp memorizes the last selected output on white light mode. When turned on again the previously used output will be recalled. Each time the Red Light mode is entered with red

light.

## Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Non-rechargeable Battery (Alkaline)	AAA	1.5V	Recommended	✓
Non-rechargeable Battery (Ni-MH)	AAA	1.2V	Recommended	✓
Rechargeable Battery (Li-ion)	10440	3.7V	Banned	✗

Warning: 1. It is strictly prohibited to charge non-rechargeable batteries.

2. Do not use the banned battery in case of circuit component damage that is resulted from overvoltage burnout.
3. Do not mix batteries of different brands, sizes, capacities or types. Doing so may cause damage to the headlamp or the batteries being used.
4. If the lamp will not be used for an extended period, remove the AAA batteries from the lamp in case of damage by electrolyte leakage.

## Battery Replacement

1. Pull the battery cover latch that is located between the switches to open the tail cap.
2. Insert the batteries in accordance with the polarity marks.
3. Replace the battery cap.

## Intelligent Overheat Protection

The lamp will accumulate a lot of heat when used on High or Turbo modes for extended periods. When the lamp reaches a temperature of 65°C or above, the lamp will automatically step down a few lumens to reduce the temperature. When the temperature drops below 65°C, it will then allow the user the reselection of High or Turbo modes.

## Headband Assembly

The headband is factory assembled by default.

## Usage and Maintenance

- Disassembling the sealed head can cause damage to the lamp and will void the warranty.
- Fenix recommends using an excellent quality Fenix 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 by pressing either switch/ simultaneously pressing the two switches for 3 seconds, 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 battery needs replacing.

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

B: The contact point or contact of the battery or headlamp is 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 HL16 headlamp, 3 x AAA batteries, User manual, Warranty card