







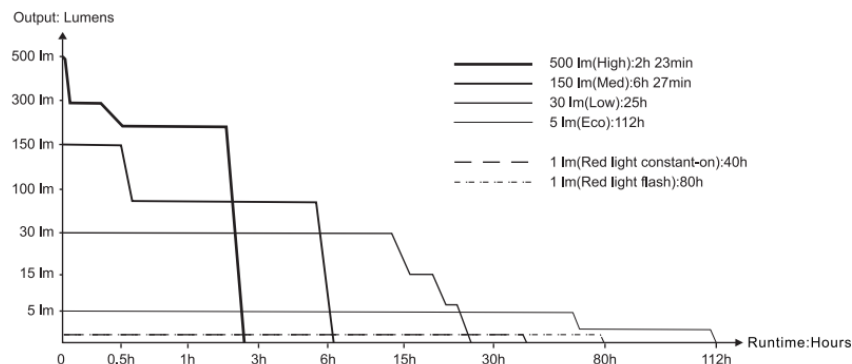
## (ENGLISH)Fenix HL12R V2.0 Headlamp

### Technical Parameters

ANSI/PLATO FL1	White light				Red light	
	High	Med	Low	Eco	Constant-on	Flash
 OUTPUT	500 lumens	150 lumens	30 lumens	5 lumens	1 lumen	1 lumen
 RUNTIME	2 hours 23 minutes*	6 hours 27 minutes	25 hours	112 hours	40 hours	80 hours
 DISTANCE	125 meters	67 meters	31 meters	13 meters	3 meters	/
 INTENSITY	3860 candela	1128 candela	235 candela	43 candela	3 candela	/
 IMPACT RESISTANCE	1 meter					
 WATERPROOF	IP66					

Note: According to the ANSI/PLATO FL1 standard, the above specifications are from the results produced by Fenix through its laboratory testing using one built-in 950mAh 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.

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



## Warning

- ©Do NOT place this lamp in the reach of children!
- ©Do NOT shine the lamp 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 lamp 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 lamp will accumulate a significant amount of heat while operating, resulting in a high temperature of the lamp shell. Pay close attention to avoid burns.
- ©Turn off and lock the lamp to prevent accidental activation when the lamp is placed in a closed and flammable environment such as pockets and backpacks!
- ©The LEDs of this lamp are not replaceable; so the whole lamp should be replaced when any one of the LEDs reaches the end of its lifespan.

## Product features

- ©500 lumens maximum output, 125 meters maximum beam distance.
- ©Utilizes one Luminus SST20 white LED and one 2835 red LED; with a life span of 50,000 hours each.
- ©Powered by a built-in 950mAh battery.
- ©White light and red light assist various lighting needs.
- ©Dual top switches for easy and fast operation.
- ©Electronic lockout function avoids accidental activation.
- ©USB Type-C charging.
- ©The front case is made of high-quality aluminum alloy, which provides great sturdiness, wear resistance, and thermal performance.
- ©IP66-rated protection and 1.5 meters impact resistance.
- ©Size: 2.20" x 1.57" x 1.26"/56 × 40 × 31.9 mm.
- ©Weight: 2.56 oz/72.5 g (including battery and headband).

## Operating Instructions

On: with the lamp switched off, press and hold either of the switches for 0.5 seconds to turn on the lamp.  
Off: press and hold either of the switches for 0.5 seconds to turn off the lamp.

### Mode switching

With the lamp switched off, press and hold the white light switch for 0.5 seconds to enter the White light mode. Single click the red light switch to switch to the Red light mode.

With the lamp switched off, press and hold the red light switch for 0.5 seconds to enter the Red light mode. Single click the white light switch to switch to the White light mode.

### **Output selection**

White light mode: with the lamp switched on, single click the white light switch to cycle through Eco→Low→Med→High.

Red light mode: with the lamp switched on, single click the red light switch to select between Constant-on and Flash.

### **Lockout Function**

**Lock:** with the lamp switched off, press and hold the two switches simultaneously for 3 seconds, the lamp will blink 4 times in the Eco output of White light mode before going off to indicate locked status.

**Unlock:** with the lamp locked, press and hold the two switches simultaneously for 3 seconds, the lamp will be activated with 4 white blinks and activated in the Eco output of White light mode to indicate the lamp is unlocked.

In locked status, clicking or pressing the switches will activate 4 blinks in the Eco output of White light mode before going off to indicate locked status.

### **Intelligent Memory Circuit**

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

## **Charging**

1. Uncover the anti-dust cap and plug the USB Type-C side of the charging cable into the charging port of the lamp.
2. When charging, the indicators will flash from bottom to top to display the charging status. The four indicators will be constant-on after charging is completed.
3. With the lamp switched off, the normal charging time is about 2.5 hours from depleted to fully charged with a 5 V/1 A or above charging adapter.

### **Battery level indication**

With the lamp switched off, single click either switch to check the battery status. Single click once again the indicator(s) will go out immediately, or without any operation the indicator(s) will last for 3 seconds. Each time the light is turned on, the indicator(s) will show the battery level and will last for 3 seconds.

Four lights on: 100% - 80%

Three lights on: 80% - 60%

Two lights on: 60% - 40%

One light on: 40% - 20%

One light flashes: 20% - 1%

## **Intelligent Overheat Protection**

The lamp will accumulate a lot of heat when used at high output levels for extended periods. When the lamp reaches a temperature of 60°C/140°F or above, the lamp will automatically step down a few lumens to reduce the temperature. When the temperature drops below 60°C/140°F, the lamp automatically recalls the previously used output level.

## **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 recharge the battery.

## **Headband Assembly**

Notice: The headband is factory-assembled and ready to use right out of the package.

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.

- ©Lock the lamp to prevent accidental activation during storage or transportation.

- ©The lamp may flicker, shine intermittently or even fail to illuminate due to the following reasons:

A: Poor battery level.

Solution: Recharge the battery.

B: The lamp is locked.

Solution: Press and hold the two switches simultaneously for 3 seconds to unlock the lamp.

If the above methods don't work, please contact the distributor.

## **Included**

Fenix HL12R V2.0 headlamp, USB Type-C charging cable, User manual, Warranty card