







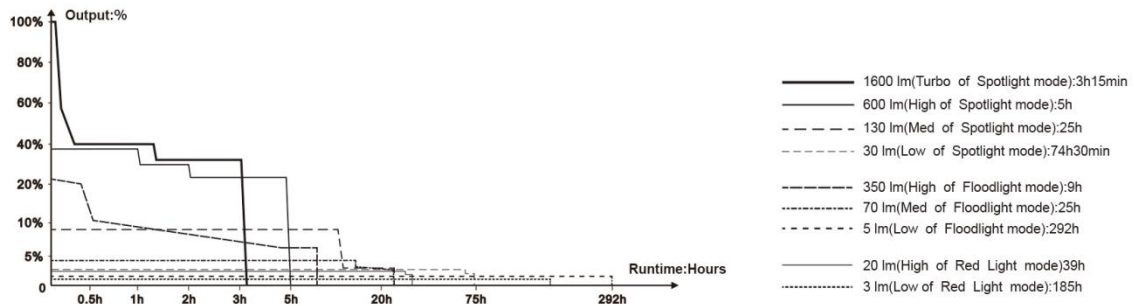
## (ENGLISH) Fenix HM60R V2.0 Headlamp

### Technical Parameters

ANSI/ PLATO FL1	Spotlight				Floodlight			Red light		
	Turbo	High	Med	Low	High	Med	Low	High	Low	Flash
 <b>OUTPUT</b>	1600 lumens	600 lumens	130 lumens	30 lumens	350 lumens	70 lumens	5 lumens	20 lumens	3 lumens	3 lumens
 <b>RUNTIME</b>	3 hours 15 minute s	5 hours	25 hours	74 hours 30 minute s	9 hours	25 hours	292 hours	39 hours	185 hours	370 hours
 <b>DISTANCE</b>	170 meters	103 meters	48 meters	23 meters	36 meters	14 meters	4 meters	6 meters	3 meters	/
 <b>INTENSITY</b>	7223 candela	2659 candela	575 candela	133 candela	326 candela	45 candela	3 candela	8 candela	3 candela	/
 <b>IMPACT RESISTANCE</b>	2 meters									
 <b>SUBMERGIBLE</b>	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 Fenix ARB-L18-4000 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 Turbo 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 headlamp in the reach of children!

ⓈDo NOT shine this 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 this 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 lamp shell. Pay close attention to avoid burns!

ⓈTurn off and lock the headlamp or remove the battery to prevent accidental activation when the headlamp is placed in a closed and flammable environment such as pockets and backpacks!

ⓈThe LEDs of this headlamp are not replaceable; so the whole lamp will need to be replaced if any one of the LEDs reaches the end of its lifespan.

## Product features

Ⓢ1600 lumens maximum output, 170 meters maximum beam distance.

ⓈUses one Luminus SST40-GEN2 white LED, one Luminus SST20-GEN2 high-CRI neutral white LED, and one OSRAM 2835 red LED; with a lifespan of 50,000 hours each.

ⓈSpotlight, floodlight and red light sources assist various lighting needs in various complex outdoor scenarios.

- ◎Top mode switch enables quick locking and mode switching.
- ◎Large side switch for simple and convenient operation.
- ◎Powered by a replaceable ARB-L18-4000 battery and compatible with two CR123A batteries.
- ◎Hidden USB Type-C charging port with inner waterproof treatment.
- ◎Premium type HAIII hard-anodized anti-abrasive finish.
- ◎Made of durable A6061-T6 aluminum alloy material.
- ◎IP68-rated protection and 2 meters impact resistance.
- ◎Size: 3.46" × 1.80" × 1.77"/88 × 45.7 × 45 mm.
- ◎Weight: 6.10 oz/173 g (including battery and headband).

## **Operating Instructions**

### **On/Off**

On: With the lamp locked, slide the mode switch to any designated mode to unlock and turn on the lamp.

With the lamp unlocked, press and hold the side switch for 0.5 seconds to turn on the lamp.

Off: With the lamp turned on, slide the mode switch to the lockout mode or press and hold the side switch for 0.5 seconds to turn off the lamp.

### **Mode Switching**

Slide the mode switch to cycle through Lockout⇌Spotlight⇌Floodlight.

With the lamp turned off, double click the side switch to enter Red light.

### **Output Selection**

Spotlight mode: single click the side switch to cycle through Low→Med→High→Turbo.

Floodlight mode: single click the side switch to cycle through Low→Med→High.

Red light mode: single click the side switch to cycle through Low→High→Flash.

## Intelligent Memory Circuit

The headlamp automatically memorizes the previously used output of each mode excluding Red light.

When turned on again, the previously used output of the currently selected mode will be recalled.

\*When turned on in Spotlight mode,

the headlamp will activate in High output if it was previously switched off in Turbo output.

## Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Fenix ARB-L18 Series	18650	3.6 V	Recommended	vV
Non-rechargeable Battery (Li-ion)	CR123A	3.0 V	Usable	v
Rechargeable Battery (Li-ion)	18650	3.6 V	Caution*	!
Rechargeable Battery (Li-ion)	21700	3.6 V	Banned	×

\*18650 Li-ion batteries are powerful cells designed for commercial applications and must be treated with caution and handled with care. Using low-quality batteries or mishandling batteries (such as short-circuiting or overheating) could lead to combustion and jeopardize the safety of users and property. Any adverse effects resulting from the use of low-quality batteries are not covered by any Fenix warranty or liability. Using quality batteries with circuit protection will reduce the potential for combustion or explosion.

## Battery Replacement

Unscrew the battery cover and insert the battery in accordance with the polarity marks, then screw the battery cover back on.

## Charging

1. Unscrew the anti-dust cap and plug the USB Type-C end of the charging cable into the charging port of the headlamp.
2. The indicator will display red while charging and will turn green when fully charged.
3. Once charging is completed, be sure to unplug the charging cable and screw the anti-dust cover back on.

### Note:

1. The normal charging time of the included Fenix ARB-L18-4000 battery is approximately 2.5 hours from depleted to fully charged with a 5 V/2 A or above charging adapter.
2. The headlamp can be operated while charging.
3. When the voltage level is lower than 3.3 V, only the Low output of each mode and the Red flash output can be activated.
4. Recharge a stored headlamp every four months to maintain the optimum performance of the battery.

## Battery Level Indication

With the lamp turned off, single click the side switch to check the current battery level. Single click once again and the battery level indicator will go out, or without any operation the battery level indicator will last for 3 seconds. Each time the lamp is turned on, the battery level indicator will also indicate the current battery level and will last for 3 seconds.

Green light on: 100% - 85%

Green light flashes: 85% - 50%

Red light on: 50% - 20%

Red light flashes: 20% - 1%

\*This feature only works with a Fenix ARB-L18 Series battery.

## **Intelligent Overheat Protection**

The headlamp will accumulate a lot of heat when used at high output levels for extended periods. When the headlamp reaches a temperature of 55°C/131°F or above, it will automatically step down a few lumens to reduce the temperature. When the temperature drops below 55°C/131°F, the headlamp will gradually recall the preset 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 battery level indicator blinks red to remind users to recharge or replace the battery in a timely manner.

\*This feature only works with a Fenix ARB-L18 Series 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 headlamp 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 headlamp could be damaged by electrolyte leakage.

ⓈTake out the battery or unscrew the battery cover 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 O-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: Poor battery level.

Solution: Recharge or replace the battery.

B: The contact or contact point 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 HM60R V2.0 headlamp, ARB-L18-4000 battery, Spare O-ring, USB Type-C charging cable, User manual, Warranty card