







## (ENGLISH) Fenix HM75R Headlamp

### Technical Parameters

ANSI/PLATO FL1	Spotlight Mode				Floodlight Mode				Red Light Mode			
	Turbo	High	Med	Low	Turbo	High	Med	Low	High	Med	Low	Flash
 <b>Output</b>	1600 lumen s	800 lumen s	350 lumen s	50 lumen s	1000 lumen s	400 lumen s	150 lumen s	5 lumen s	120 lumen s	30 lumen s	5 lumen s	5 lumen s
 <b>Runtime</b>	1 hour 30 minut es	3 hours 30 minut es	11 hours	50 hours 50 minut es	1 hour 50 minut es	4 hours	8 hours	100 hours	5 hours 20 minut es	32 hours	110 hours	220 hours
 <b>Distance</b>	223 mete rs	158 mete rs	101 mete rs	39 mete rs	60 mete rs	43 mete rs	25 mete rs	5 mete rs	16 mete rs	9 mete rs	4 mete rs	/
 <b>Intensity</b>	12448 cande la	6262 cande la	2559 cande la	383 cande la	1071 cande la	432 cande la	163 cande la	10 cande la	70 cande la	20 cande la	4 cande la	/
 <b>Impact Resistance</b>	2 meters											
 <b>Submersible</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 the included Fenix ARB-L18-3400 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.

### Warning

©Do place this headlamp out of 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 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 headlamp should be replaced when any of the LEDs reaches the end of its lifespan.

## Product Features

©1600 lumens maximum output, 223 meters maximum beam distance.

©Uses one Luminus SST40 cold white LED, two Luminus SST20 neutral white LEDs, and one OSRAM GR QSSPA1.23 red light LED; with a life span of 50,000 hours each.

©Powered by an ARB-L18-3400 battery or an HM75R power extender\*, the latter doubles the runtime on average.

©High-quality magnesium alloy headlamp body, lightweight and durable.

©Rotary switch and electronic switch for easy and fast operation.

©Spotlight, floodlight and red light for a variety of lighting demands.

©Intelligent brightness downshifting function to avoid potentially dangerous high temperature(s) at close-range lighting.

©Standard USB Type-C fast-charging port with inner waterproof treatment.


©Headlamp(including mount): 3.59" x 1.61" x 2.11"/91.1 x 41 x 53.5 mm.

©Weight: 6.03 oz/171 g (including battery and headband).

\*The HM75R power extender must be ordered separately.

## Operating Instructions

### On/off

**On:** With the lamp switched off, turn the rotary switch clockwise from “” to any designated mode to turn on the lamp.

**Off:** With the lamp switched on, turn the rotary switch counterclockwise to “” to turn off the lamp.

## **Mode switching**

Turn the rotary switch to cycle through OFF ⇌Spotlight⇌Floodlight⇌Red light.

## **Output selection**

Spotlight mode: With the lamp switched on, single click the electronic switch to cycle through Low→Med→High→Turbo.

Floodlight mode: With the lamp switched on, single click the electronic switch to cycle through Low→Med→High→Turbo.

Red light mode: With the lamp switched on, single click the electronic switch to cycle through Low→Med→High→Flash.

## **Intelligent Memory Circuit**

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

\*The lamp will enter High output if it was previously switched off in Turbo mode.

## **Intelligent Brightness Downshifting Function**

### **Turning on/off Intelligent Brightness Downshifting Function**

**On:** With the headlamp switched off, press and hold the electronic switch for 6 seconds, and the headlamp will flash twice at the Low output of Floodlight mode, indicating that the function is activated.

**Off:** With the headlamp switched off, press and hold the electronic switch for 6 seconds, and the headlamp will flash eight times at the Low output of Floodlight mode, indicating that the function is deactivated.

### **Intelligent Brightness Downshifting**

When the lamp head is close to an illuminated object (about 2.36"/60 mm) for more than 1.5 seconds, the headlamp will automatically downshift the brightness level to Low output to avoid potential burns caused by high temperature(s). When the lamp head is moved away from the illuminated object for more than 0.8 seconds, the headlamp will automatically recall the previously used output level.

## Batteries Specifications

Type	Dimensions	Nominal voltage	Usability	
Fenix ARB-L18 Series	18650*	3.6 V	Recommended	✓✓
Non-rechargeable Battery (Li-ion)	CR123A	3.0 V	Usable	✓
Rechargeable Battery (Li-ion)	18650	3.6 V	Caution*	!
Rechargeable Battery (Li-ion)	16340	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. Only the use of quality batteries with circuit protection will reduce the potential for combustion or explosion. Cell damage or short circuiting is considered user induced damage and is not covered by any Fenix warranty or liability. Only using the Fenix ARB-L18 Series battery is recommended.

## Battery Replacement

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

## 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 LED indicators will flash from left to right to display the charging status. The four indicators will be constant-on after charging is completed.
3. With the headlamp switched off, the normal charging time of using a Fenix ARB-L18-3400 battery is about 4 hours from depleted to fully charged with a 5 V/2.5 A or higher power charging adapter.

**Note:**

1. The headlamp can be operated while charging. The actual brightness of the Turbo output is 1200 lumens in Spotlight mode and 700 lumens in Floodlight mode at a 9 V charging voltage. Only the Low output and the Med output of each mode can be operated at a 5 V charging voltage.

2. For the first use after connecting to a power resource, the headlamp will flash twice(at a 5 V charging voltage) or four times(at a 9 V charging voltage) at the Low output in the last selected mode before it recalls the selected output.

\*The above two descriptions still apply when the headlamp is charged by a HM75R power extender, even if the headlamp battery is inserted backward or not inserted at all.

## **Battery Level Indication**

With the headlamp switched off, single click the electronic switch to check the battery status, the indicator(s) 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%

\*When the headlamp is turned on during charging, the battery level indicators will not function.

## **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, it will automatically step down a few lumens to reduce the temperature. When the temperature drops below 60°C/140°F, the lamp 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 Low output is reached. When this happens in Low output, one of the battery level indicators blinks to remind you to recharge or replace the battery.

## Headband Assembly

Notice: The headband is factory assembled by default.

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

## Usage and Maintenance

ⓈDisassembling the sealed parts of headlamp can cause damage to the lamp and will void the warranty.

ⓈFenix recommends using 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.

Ⓢ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: Low battery.

Solution: Recharge or replace the 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 the distributor.

## Included

Fenix HM75R headlamp, ARB-L18-3400 battery, USB Type-C charging cable, Spare O-ring, User manual, Warranty card