







# Fenix HM65R-T Headlamp

## Technical Parameters

| ANSI/PLATO<br>FL1                                                                                                   | Spotlight       |                 |                | Floodlight     |                |               |
|---------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|----------------|----------------|----------------|---------------|
|                                                                                                                     | High            | Med             | Low            | High           | Med            | Low           |
| <br><b>Output</b>                  | 1300 lumens     | 400 lumens      | 130 lumens     | 400 lumens     | 70 lumens      | 5 lumens      |
| <br><b>Runtime</b>                 | 4 hours         | 12 hours        | 24 hours       | 12 hours       | 36 hours       | 300 hours     |
| <br><b>Distance</b>              | 170 meters      | 96 meters       | 55 meters      | 54 meters      | 23 meters      | 6 meters      |
| <br><b>Intensity</b>             | 7261<br>candela | 2304<br>candela | 762<br>candela | 737<br>candela | 133<br>candela | 10<br>candela |
| <br><b>Impact<br/>Resistance</b> | 2 meters        |                 |                |                |                |               |

|                                                                                                         |      |
|---------------------------------------------------------------------------------------------------------|------|
| <br><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-L18-3500 battery under the temperature of  $21\pm 3^{\circ}\text{C}$  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.

## Product Features

- 1300 lumens spotlight and 400 lumens floodlight.
- Uses Luminus SST40 white and Cree XP-G2 S3 neutral white LED's, with a lifespan of 50,000 hours.
- Included a 18650 rechargeable Li-ion battery.
- Constant current circuit ensures longer runtime.
- Reverse polarity protection, to protect from improper battery insertion.
- Dual top switches for easy and fast operation.
- USB Type-C charging port fast charging.
- Patented rotary press-pull clasp, headband can be adjusted with a single hand.
- Quality aluminum, magnesium and PC made - lightweight and durable.
- Size: 3.15" x 1.85" x 1.54" / 80 x 47 x 39 mm.
- Weight: 3.21 oz / 91 g (excluding battery).

## Operating Instruction

### Switches

**Spotlight:** for on/off, mode switching, lockout function and output selection on spotlight mode.

**Floodlight:** for on/off, mode switching, lockout function and output selection on floodlight mode.

### On/off

Press and hold either of the two switches for 0.5 seconds to turn on/off the lamp. Low output level is set by default.

### Mode switching

Press and hold either of the two switches for 0.5 seconds to reach the corresponding mode. The two modes are separately controlled.

### Output selection

**Spotlight mode:** single click the spotlight switch to cycle through Low→Med→High.

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

### Lockout Function

**Lock:** With the lamp switched off, press and hold either of the two switches, or simultaneously press the two switches for 3 seconds, the lamp will blink 4 times on Low of floodlight mode to indicate locked status.

**Unlock:** With the lamp is locked, simultaneously press the two switches for 3 seconds, the lamp

will be activated with 4 one-second blinks and activates on Low of floodlight mode.

In locked status, clicking or pressing the switches will activate 4 one-second blinks on Low of floodlight mode to indicate locked status.

## Battery Specifications

| Type                              | Dimensions | Nominal voltage | Usability   |   |
|-----------------------------------|------------|-----------------|-------------|---|
| Fenix ARB-L18 Series              | 18650      | 3.6 V /3.7 V    | Recommended | √ |
| Non-rechargeable Battery (Li-ion) | CR123A     | 3V              | Usable      | √ |
| Rechargeable Battery (Li-ion)     | 18650      | 3.6 V /3.7 V    | Caution*    | ! |
| Rechargeable Battery (Li-ion)     | 16340      | 3.6 V /3.7 V    | Banned      | × |

\*18650 Li-ion batteries are powerful cells designed for commercial applications and must be treated with caution and handled with care. Only use quality batteries with circuit protection will reduce the potential for combustion or explosion; but cell damage or short circuiting are potential risks the user assumes.

Quality Li-ion battery with protective circuit will reduce risks. Fenix ARB-L18 Series battery is recommended.

## Battery Replacement

Unscrew the battery cover anticlockwise to insert the battery with the anode side (+) towards the inner side, 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. The normal charging time of the Fenix ARB-L18-3500 rechargeable Li-ion battery is about 3 hours with the lamp being switched off. When charging, Low output of spotlight or floodlight mode can be separately selected. The headlamp will not automatically power on after full charging.
3. In charging process, one indicator flashes: below 20%, one constant-on and one flashes: 20% - 50%, two constant-on and one flashes: 50% - 80%, three constant-on and one flashes: 80% - 95%, four constant-on: charging complete.
4. Replace the anti-dust cap to ensure waterproof and dustproof ability.

## **Battery Level Indication**

With the lamp is switched off, single click either of the two switches to check the battery status, the indicator(s) will last for 3 seconds.

There will be no response with the lamp locked.

Four lights on: 100% - 80%

Three lights on: 80% - 60%

Two lights on: 60% - 40%

One light on: 40% - 20%

One light flashes: 20% - 0%

Note: This only works with Fenix ARB-L18 Series 18650 rechargeable Li-ion battery.

## **Intelligent Overheat Protection**

The lamp will accumulate a lot of heat when used on high, med and low output levels 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 for the reselection of the modes.

## **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 mode, one of the battery level indicators blinks to remind you to timely recharge or replace the battery.

Note: This only works with Fenix ARB-L18 Series 18650 rechargeable Li-ion battery.

## **Headband Assembly**

Notice: The headband is factory assembled by default.

Press the rotary press-pull clasp, rotate it clockwise to shorten the headband; pull the clasp up to loosen the headband.

## **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 18650 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.

- 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: The battery needs replacing.

Solution: Replace 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 HM65R-T Headlamp, ARB-L18-3500 rechargeable Li-ion battery, USB Type-C charging cable, Spare O-ring, User manual, Warranty card

## **Warning**

- The headlamp is a high-intensity lighting device capable of causing eye damage to the user or others. Avoid shining the lamp directly into anyone's eyes.
- This headlamp will accumulate a lot of heat when used for extended periods, resulting in high temperature of the headlamp shell. Pay attention to safe use to avoid scalding.
- All information provided in this manual is subject to change without prior notice.

