



## FENIX HL18R-T Lightweight Trail Running Headlamp Instruction Manual

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HL18R-T V2.0  
LIGHTWEIGHT TRAIL  
RUNNING HEADLAMP

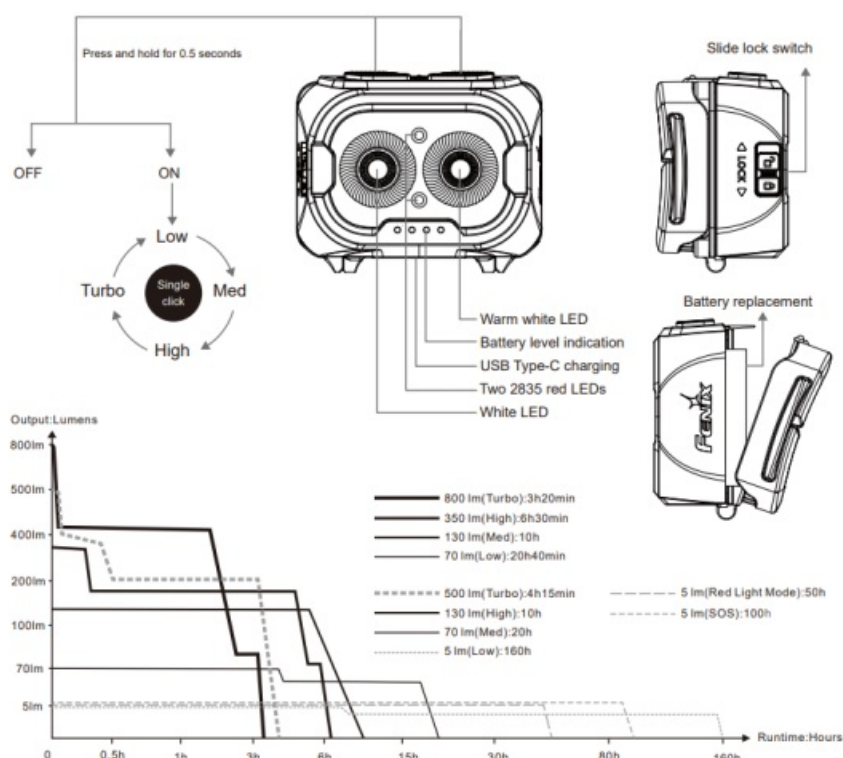


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## HL18R-T Lightweight Trail Running Headlamp

|   |                              |
|---|------------------------------|
|  | 800 LUMENS MAX OUTPUT        |
|  | 125 METERS MAX BEAM DISTANCE |



## ⚠ 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 or remove the battery 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.

## FENIX HL18R-T V2.0 HEADLAMP

Ⓢ 800 lumens maximum output, 125 meters maximum beam distance.

Ⓢ Fitted with one Luminus SST25 white LED, one SST20 CRI80 warm white LED, and two 2835 red LEDs; with a life span of 50,000 hours each.

Ⓢ Cold white light, warm white light, and red light assist various lighting needs in various complicated outdoor scenarios.

Ⓢ Powered by a 1900mAh replaceable battery and compatible with three AAA batteries.

Ⓢ Slide lock switch design avoids accidental activation.

Ⓢ Dual top switches for easy and fast operation.

Ⓢ New two-way SPORT headband fit system enables quick and single-handed adjustment for a customizable fit.

Ⓢ An emergency whistle is attached to the headband to ensure user safety in outdoor activities.

Ⓢ USB Type-C charging.

Ⓢ Battery level indication and low-voltage warning.

Ⓢ IP66-rated protection and 1 meter impact resistance.

Ⓢ Size: 2.26" x 1.22" x 1.85"/57.5 x 31 x 47 mm.

Ⓢ Weight: 3.63 oz/103 g (including battery and headband).

## OPERATING INSTRUCTIONS

### On/off

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

**Off:** press and hold either of the two 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 warm white light switch to switch to the Warm white light mode.

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







With the lamp switched off, double click either of the two switches to enter the Red light mode.

### Output selection

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

**Warm white light mode:** with the lamp switched on, single click the warm

## TECHNICAL PARAMETERS

| ANSI/PLATO FL1  | WHITE LIGHT        |                    |              |                     | WARM WHITE LIGHT   |              |              |             | RED LIGHT   |           |
|---|--------------------|--------------------|--------------|---------------------|--------------------|--------------|--------------|-------------|-------------|-----------|
|   | TURBO              | HIGH               | MED          | LOW                 | TURBO              | HIGH         | MED          | LOW         | CONSTANT-ON | SOS       |
|  OUTPUT            | 800 lumens         | 350 lumens         | 130 lumens   | 70 lumens           | 500 lumens         | 130 lumens   | 70 lumens    | 5 lumens    | 5 lumens    | 5 lumens  |
|  RUNTIME           | 3 hours 20 minutes | 6 hours 30 minutes | 10 hours     | 20 hours 40 minutes | 4 hours 15 minutes | 10 hours     | 20 hours     | 160 hours   | 50 hours    | 100 hours |
|  DISTANCE          | 125 meters         | 79 meters          | 49 meters    | 36 meters           | 89 meters          | 46 meters    | 34 meters    | 9 meters    | 4 meters    | /         |
|  INTENSITY         | 3790 candelas      | 1570 candelas      | 587 candelas | 317 candelas        | 1995 candelas      | 521 candelas | 284 candelas | 20 candelas | 4 candelas  | /         |
|  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 ARB-LP1900 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.

White light switch to cycle through Low→Med→High→Turbo.

Red light mode: in Red light mode, single click either of the two switches to cycle through Constant-on→SOS.

#### Lockout Function

**Lock:** with the lamp switched off, slide the lock switch down in accordance with the mark, the lamp will blink 4 times in the Low output of Warm white light mode to indicate locked status.

**Unlock:** with the lamp locked, slide the lock switch up in accordance with the mark, the lamp will blink 4 times in the Low output of Warm white light mode to indicate standby status.

#### Note:

With the lamp locked, any operation will activate 4 blinks in the Low output of Warm white light mode.

Lock the lamp when it is switched on, it will automatically turn off and enter the locked status.

The lamp may automatically unlock when exposed to a strong magnetic field.

#### Intelligent Memory Circuit

The lamp automatically memorizes the last selected output of each mode.

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

## BATTERY SPECIFICATIONS

| Type                          | Dimensions        | Nominal Nom voltage | Usability   |     |
|-------------------------------|-------------------|---------------------|-------------|-----|
| Fenix ARB-LP1900              | Dedicated battery | 3.8 V               | Recommended | ✓ ✓ |
| Alkaline Battery              | AAA               | 1.5 V               | Usable      | ✓   |
| Ni-MH Battery                 | AAA               | 1.2 V               | Usable      | ✓   |
| Rechargeable Battery (Li-ion) | 10440             | 3.7 V               | Banned      | ✗   |

\*Do not mix batteries of different brands, sizes, capacities or types. Doing so may cause damage to the lamp or to the batteries being used.

\*Only use the recommended or usable batteries mentioned in this user manual. 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. It is recommended to use a Fenix ARB-LP1900 battery.

## BATTERY REPLACEMENT

Open the back battery cap to insert the battery in accordance with the polarity marks, then close the back battery cap.

## 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 left to right 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 of using a Fenix ARB-LP1900 battery is about 3 hours from depleted to fully charged with a 5 V/1 A or above charging adapter.

### Note:

1. Only Low output can be operated while charging.
2. Recharge a stored lamp every four months to maintain the optimum performance of the battery.

## 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%

\*Note: This feature only works with a Fenix ARB-LP1900 battery.

## 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 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 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.

\*Note: This feature only works with a Fenix ARB-LP1900 battery.

## HEADBAND ASSEMBLY

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

Rotate the dial clockwise to tighten the headband, and rotate the dial anticlockwise to loosen the headband. After loosening the headband to its maximum length, rotate the dial in either direction to tighten it.



## USAGE AND MAINTENANCE

- ⊗ Disassembling the sealed head can cause damage to the lamp 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 lamp could be damaged by electrolyte leakage.
  - ⊗ Lock the lamp 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 lamp is locked.  
Solution: Slide the lock switch to unlock the lamp.
    - B: Poor battery level.  
Solution: Replace or recharge the battery.
    - C: 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 HL18R-T V2.0 headlamp, Fenix ARB-LP1900 battery, USB Type-C charging cable, User manual, Warranty card

## LIGHTING FOR EXTREMES

|   |   |
|---|---|
| <br>FACEBOOK | <br>WECHAT        |
| <a href="https://www.facebook.com/fenixproducts/">https://www.facebook.com/fenixproducts/</a>   | <a href="http://weixin.qq.com/r/83U_JiHEP3xArWVF9yDh">http://weixin.qq.com/r/83U_JiHEP3xArWVF9yDh</a> |

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## Documents / Resources

|   |  |
|---|--|
|  | <p><a href="#">FENIX HL18R-T Lightweight Trail Running Headlamp</a> [pdf] Instruction Manual<br/>HL18R-T Lightweight Trail Running Headlamp, HL18R-T, Lightweight Trail Running Headlamp,<br/>Trail Running Headlamp, Running Headlamp, Headlamp</p> |
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## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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