Fenix HL18R-T Headlamp

Technical Parameters

ANSI/PLATO FL1		Spotlight			Floodlight	
		High	**Med**	**Low**	**Low**	**SOS**
Output		500 lumens	200 lumens	70 lumens	30 lumens	4 lumens
Runtime	Li-polymer	3 hours *	8 hours	20 hours	30 hours	300 hours
	PAIRDEER AAA	4 hours *	11 hours	20 hours	43 hours	300 hours
Distance		82 meters	54 meters	35 meters	12 meters	5 meters
Intensity		1700 candela	749 candela	310 candela	38 candela	8 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 1300mAh Li-polymer battery pack and three PAIRDEER AAA batteries under the temperature of 21±3℃ 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

- Cree XP-G3 S3 neutral white and Everlight 2835 white LED's, with a lifespan of 50,000 hours.

- Included a 1300 mAh Li-polymer battery pack; compatible with 3 AAA Ni-MH/Alkaline batteries (charging prohibited).

- Lockout function avoids accidental activation.

- Dual switches for easy and fast operation.

- Three spotlight and two floodlight output levels.

- Micro USB charging port, 5V/1A for direct charging.

- Battery level indication reminds remaining battery status.

- Patented rotary push-pull clasp for single-handed headband adjustment.

- Made of quality plastics and aluminum, three times injection molding process saves O-ring.

- 2.70'' x 1.85'' x 1.55'' / 68.5 x 45 x 39.5 mm.

- 2.23 oz / 63.2 grams (including headband &excluding battery).

Operating Instruction

Switches

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

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

On/off

Press and hold the spotlight switch, the lamp will be turned on on Med of spotlight by default; press and hold the floodlight switch, the lamp will be turned on on Low of floodlight by default. Press and hold either of the two switches for 0.5 seconds to turn on/off the lamp.

Mode Switching

With the lamp switched on, single click either of the two switches to reach the corresponding mode.

Output Selection

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

Floodlight mode: single click the floodlight switch to cycle through Low→SOS.

Lockout Function

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

Unlock: when the lamp is locked, simultaneously press the two switches for 3 seconds, the lamp will be activated with 4 one-second blinks and activated 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-LP1300	43 x 31 x 10.5 mm	3.7 V	Recommended	√√
Ni-MH Battery	AAA	1.2 V	Usable (No charging)	√
Alkaline Battery	AAA	1.5 V	Usable (No charging)	√

1. It is strictly prohibited to charge non-rechargeable batteries.

2. Recharge a stored headlamp every four months to maintain optimal Li-polymer battery performance.

3. If the lamp will not be used for an extended period, remove the AAA batteries from the lamp in case of damage by electrolyte leakage.

Battery Replacement

1. Pull battery cover latch with Fenix logo that is located between the switches to open the tail cap.

2. Insert the battery/batteries in accordance with the polarity marks.

3. Replace the tail cap.

Charging

1. The included Li-polymer battery pack can be charged via the headlamp. It is strictly prohibited to charge non-rechargeable AAA (NI-MH/Alkaline)batteries via the headlamp.

2. Uncover the anti-dust cap and plug the Micro USB side of the charging cable into the charging port of the lamp.

3. The normal charging time of the Fenix ARB-LP1300 Li-polymer battery is about 2.5 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.

4. 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.

5. 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.

Four lights on: saturated, 100% - 80%

Three lights on: sufficient, 80% - 60%

Two lights on: poor, 60% - 40%

One light on: critical, 40% - 20%

One light flashes: 20% - 0%

Note: This only works with Fenix ARB-LP1300 Li-polymer battery.

Intelligent Overheat Protection

The lamp will accumulate a lot of heat when used relatively high 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-LP1300 Li-polymer battery.

Headband Assembly

Notice: The headband is factory assembled by default.
Pull the rotary press-pull clasp up to loosen the headband; press the clasp, rotate it clockwise to shorten 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 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 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 HL18R-T headlamp, ARB-LP1300 Li-polymer battery pack, Micro USB charging cable, 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.