

Fenix HP25R Headlamp

HP25R defines extreme versatility. It features not only its rechargeable capability, but also the flexible access to neutral white floodlight and far-reaching spotlight. Whatever complex the environment will be, HP25R responds impressive performance in hiking, camping, searching and cave exploration and more. This user-friendly headlamp also has battery level indicator, and Micro-USB port in the battery case is available for charging when 18650 battery is taken.

Technical Parameters

ANSI/PLATO	Floodlighting Mode				Spotlighting Mode				Red Light	
Mode	High	Mid	Low	Eco	Turbo	High	Mid	Low	Eco	Flash
Output (Lumens)	350	130	30	4	1000	350	130	30	0.2	0.2
Runtime (Hours)	2.5	9	40	150	1.5	4.5	12	42	96	192
Distance (Meters)	44	25	13	6	187	109	66	34	/	/
Intensity (Candelas)	484	158	46	11	8772	3001	1108	296	/	/
Impact Resistance	1m									
Water Resistance	IPX-6*									

The above-mentioned parameters (lab-tested by using one Fenix 3.6V/2600mAh 18650 Li-ion battery) may vary between headlamps, batteries and environments.

*Please ensure the USB cap covered.

© The spotlight uses Cree XM-L2 U2 white light LED, floodlight uses Cree XP-G2 R5 neutral white light LED, with a lifespan of 50,000 hours

© Powered by one 18650 rechargeable Li-ion battery or 2 two CR123A batteries

© Light: 60 mm Length × 54 mm Width × 32.5 mm Height

© Battery case: 82.5mm Length × 50mm Width × 35mm Height

© Weight: 183.5 grams (excluding battery)

© Digitally regulated output maintains constant brightness

© Dual switch controls the spotlight and floodlight separately

© Soft floodlight beam with max beam angle of 90°

© 60-degree tilt mechanism adjusts the beam where needed

- ⊙ Reverse polarity protection protects from improper battery installation
- ⊙ Lamp body made of aluminum alloy provides optimal heat dissipation
- ⊙ Intelligent over-heat protection to avoid high temperature of the surface
- ⊙ Intelligent memory circuit automatically memorizes the last-used brightness level
- ⊙ Micro-USB charging port (5V/1.3A , available in 18650 batteries)
- ⊙ Battery level indicator reminds when battery replacement is needed

Operation Instruction

Spotlight Mode

Press and hold the  for 0.5 seconds to turn ON/OFF the spotlight.

Single-click this button to cycle the spotlight through Low→Mid→High→Turbo.

Floodlight Mode

Press and hold the  for 0.5 seconds to turn ON/OFF the floodlight.

Single-click this button to cycle the floodlight through Eco→Low→Mid→High.

Intelligent Memory Circuit

The headlamp automatically remembers the last brightness level used in the Spotlight and Floodlight mode, the next time it is turned on, it will recall the previously used brightness level.

Red Light

With the lamp off, single-click the , the lamp will cycle through Red Eco→Red Flash→OFF.

Battery Level Indicator

With the lamp off, single-click the  to activate the battery level indicator, and it will last three seconds.

1. Floodlight flashes: more than 70%
2. Floodlight and Red light flash alternately: between 30% and 70%
3. Red light flashes: lower than 30%

Note: With the light on, if the Red light flashes automatically, it indicates that the battery power is critical, please replace the battery or recharge the lamp soon as possible.

Charging

1. Uncover the USB cap, then plug the Micro-USB port of the charging cable into the USB power supplier.
2. The indicator light goes red when in charging process.
3. The indicator turns green when charging is completely done.
4. Pluck the charging cable and then plug the USB cap covered.

Note: The charging function only works on 18650 Li-ion batteries.

Intelligent Over-heat Protection

The headlamp will accumulate a lot of heat when it is working at high output levels. To avoid high temperature of lamp surface.

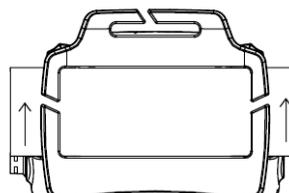
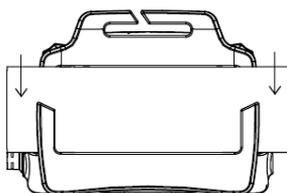
1. When the lamp is overheated up to 65°C or above, the lamp will automatically adjust the output to prevent the lamp from overheating.
2. When the temperature reduces, the output will return back to previously used output level.
3. During this process, if full-power working is needed, please click the **corresponding** switch once again.

Battery Replacement

Unscrew the tail cap to insert the battery with the anode side (+) towards the lamp head, and then screw the tail cap.

Headlamp Strap Assembling

Attach the headband to the headlamp as shown by first sliding the band down to the bottom of the slots, then hook the top edge under the top slot.



Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Fenix ARB-L2 Series	18650	3.7V	Recommended	√√
Fenix ARB-L18 Series	18650	3.7V	Recommended	√√
Non-rechargeable Battery (Lithium)	CR123A	3V	Usable	√
Rechargeable Battery (Li-ion)	16340	3.7V	Banned	×
Rechargeable Battery (Li-ion)	18650	3.7V	Cautious	!
Rechargeable Battery (LiFePO4)	16340	3.2V	Banned	×
Rechargeable Battery (LiFePO4)	18650	3.2V	Usable	√

Warning: 18650 Li-ion batteries are power cells designed for commercial applications and must be treated with caution and handled with care. Quality batteries with circuit protection will reduce the potential risk for combustion or explosion but cell damage or short circuiting are potential risks the user assumes.

Usage and Maintenance

Ⓢ Disassembling the sealed head can cause damage to the headlamp and will void the warranty.

Ⓢ Excellent quality Fenix Li-ion batteries are strongly recommended for this high-power lamp.

Ⓢ 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 performance of the headlamp as dirty contacts may cause the headlamp to flicker, shine intermittently or even fail to illuminate for the following reasons:

Reason A: The batteries need replacing.

Solution: Replace batteries (Please confirm the correct installation of anode and cathode).

Reason 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 refer to the warranty policy before contacting your authorized distributor.

Product Warranty

Fenix will replace products with documented manufacturing defects within 15 days of purchase and repair a lamp free of charge within 5 years (Rechargeable battery: 1 year) of purchase if problems develop with normal use. If repair is required after 5 years from the date of purchase, Fenix will charge for parts. The total repair fee is dictated by the cost of the replaced materials.

Product Registration

Fenix suggests you register your product on the official website for Fenixlight Limited (www.fenixlight.com). You can get an extra six-month warranty period once you have successfully registered.

Warning

The headlamp is a high-intensity lighting device capable of causing eye damage to the user or others. Avoid shining the headlamp directly into anyone's eyes.

The headlamp will accumulate a lot of heat after long-term using at Turbo, please do not touch the metal part of the lamp head in case of being hurt.