

FENIX
LIGHTING FOR EXTREMES
HP35R SAR
Multiple Light
Sources High
Output
Headlamp



FENIX HP35R SAR Multiple Light Sources High Output Headlamp Instruction Manual

[Home](#) » [FENIX](#) » FENIX HP35R SAR Multiple Light Sources High Output Headlamp Instruction Manual 

Contents

- 1 FENIX HP35R SAR Multiple Light Sources High Output Headlamp
- 2 Product Information
- 3 Product Usage Instructions
- 4 SAFETY WARNING
- 5 OVERVIEW
- 6 OPERATING INSTRUCTIONS
- 7 CHARGING
- 8 INTELLIGENT OVERHEAT PROTECTION
- 9 HEADBAND ASSEMBLY
- 10 USAGE AND MAINTENANCE
- 11 INCLUDED
- 12 TECHNICAL PARAMETERS
- 13 Documents / Resources
 - 13.1 References
- 14 Related Posts



FENIX HP35R SAR Multiple Light Sources High Output Headlamp



Product Information

Specifications

- **Model:** HP35R SAR
- **Weight:** 105g
- **Dimensions:** 64588*225mm
- **Max Output:** 4000 Lumens
- **Max Beam Distance:** 450 Meters
- Multiple Light Sources
- High-Output Search & Rescue Headlamp

Product Usage Instructions

Operating Instructions

- **On/Off:** Turn the rotary switch to the designated mode to turn on the lamp. Turn counterclockwise to turn off.

Mode Switching

Turn the rotary switch to cycle through OFF, Spotlight, Floodlight, and Spot-and-floodlight modes.

Output Selection

- **Spotlight Mode:** Single click to cycle through Low, Med, High, Turbo outputs.
- **Floodlight Mode:** Single click to cycle through Low, Med, High, Turbo outputs.
- **Spot-and-Floodlight Mode:** Single click to cycle through Low, Med, High, Turbo outputs.

Red Light Mode (Battery Case)

- **On/Off:** Press and hold Switch B for 0.5 seconds.

- **Output Selection:** Single click to toggle between Red flashing (5 lumens) and Red constant-on (20 lumens).

Intelligent Memory Circuit

The headlamp automatically memorizes the last selected output of each mode for easy recall.

FAQ

- **Q: How do I change between the different light modes?**

A: Turn the rotary switch to cycle through OFF, Spotlight, Floodlight, and Spot-and-floodlight modes.

- **Q: How do I select the output level in each mode?**

A: In Spotlight, Floodlight, or Spot-and-Floodlight modes, single-click the switch to cycle through Low, Med, High, Turbo outputs.

- **Q: How do I activate the Red Light mode?**

A: Press and hold Switch B for 0.5 seconds to activate the Red Light mode. Single click Switch B to switch between Red flashing and Red constant-on modes.

SAFETY WARNING

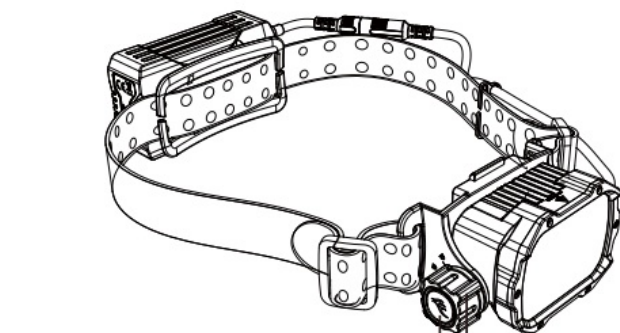
- DO place this headlamp out of the reach of children!
- Do NOT shine the headlamp directly into the eyes of anyone!
- Do NOT place light head near flammable objects, high temperatures can cause objects to overheat and become flammable/ignite!
- Do NOT use the headlamp in inappropriate ways such as holding 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 to prevent accidental activation during storage or transportation.
- The LEDs of this headlamp are not replaceable; so the whole headlamp will need to be replaced when any of the LEDs reaches the end of its lifespan.

FENIX HP35R SAR HEADLAMP

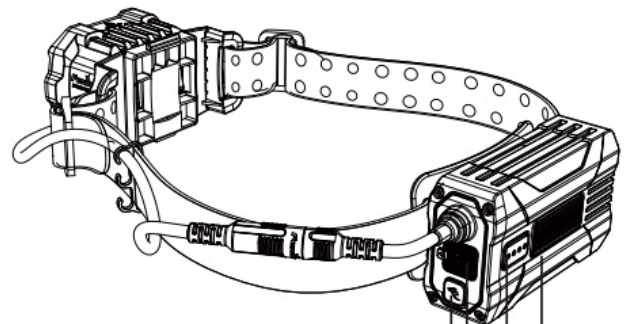
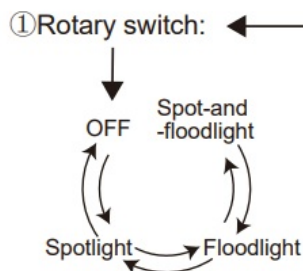
- Spot-and-floodlight delivers a max output of 4000 lumens and high CRI floodlight delivers a max output of 1200 lumens.
- 450 meters extended beam distance for the lighting needs in searching, rescuing, exploration, and other outdoor activities that require a higher level of professionalism.
- Utilizes one XHP70 neutral white LED, two Luminus SST20 warm white LEDs; with a life span of 50,000 hours each.
- Rotary switch and electronic switch for easy and fast operation.
- Flame retardant and fire resistant rubber headband and quick-assembly shroud design enable the lamp to be compatible with different types of helmets.
- Quick-release large-capacity battery case with red light function and power bank function.
- Intelligent brightness downshifting function to avoid potentially dangerous high temperature(s) at close-range lighting.

- Inner waterproof USB Type-C charging port.
- IP66 rated protection and 2 meters impact resistance.
- Headlamp(including mount): 3.91" x 2.10" x 2.15"/99.4 x 53.4 x 54.7 mm.
- Battery case(including mount): 3.75" x 1.57" x 2.11"/95.3 x 39.8 x 53.5 mm.
- Weight: 16.79 oz/476 g (including batteries and headband).

OVERVIEW



② Switch A
single click to select output

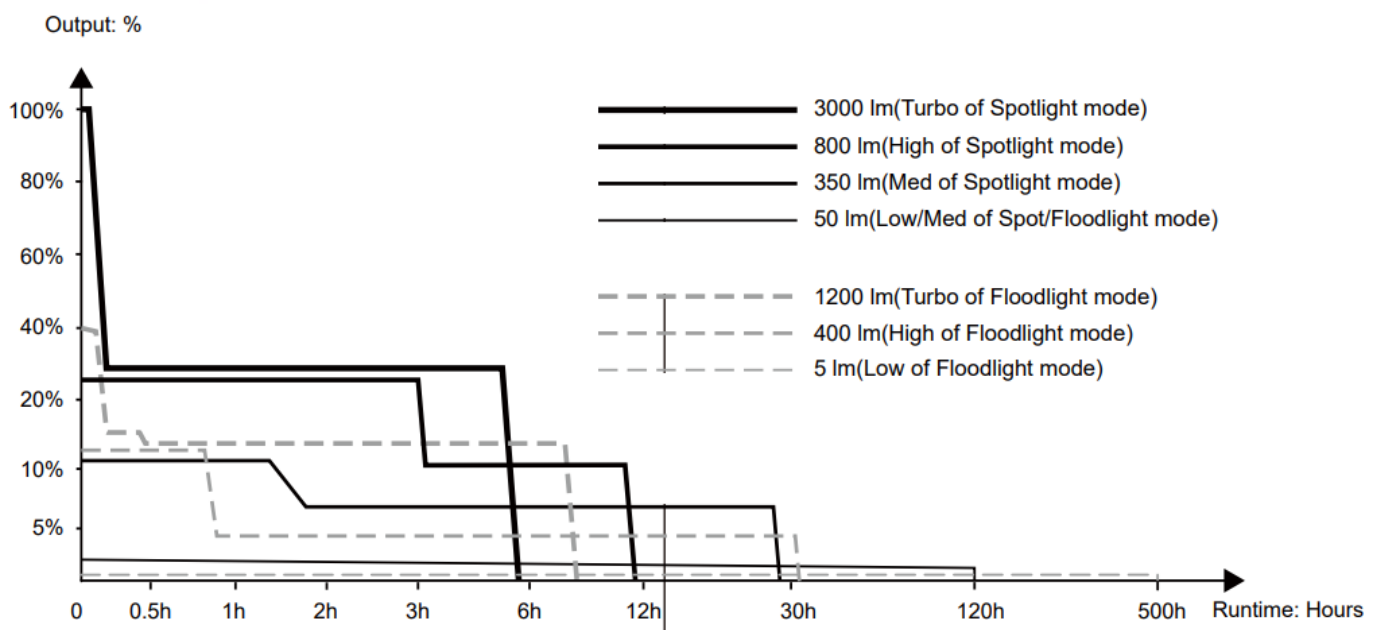


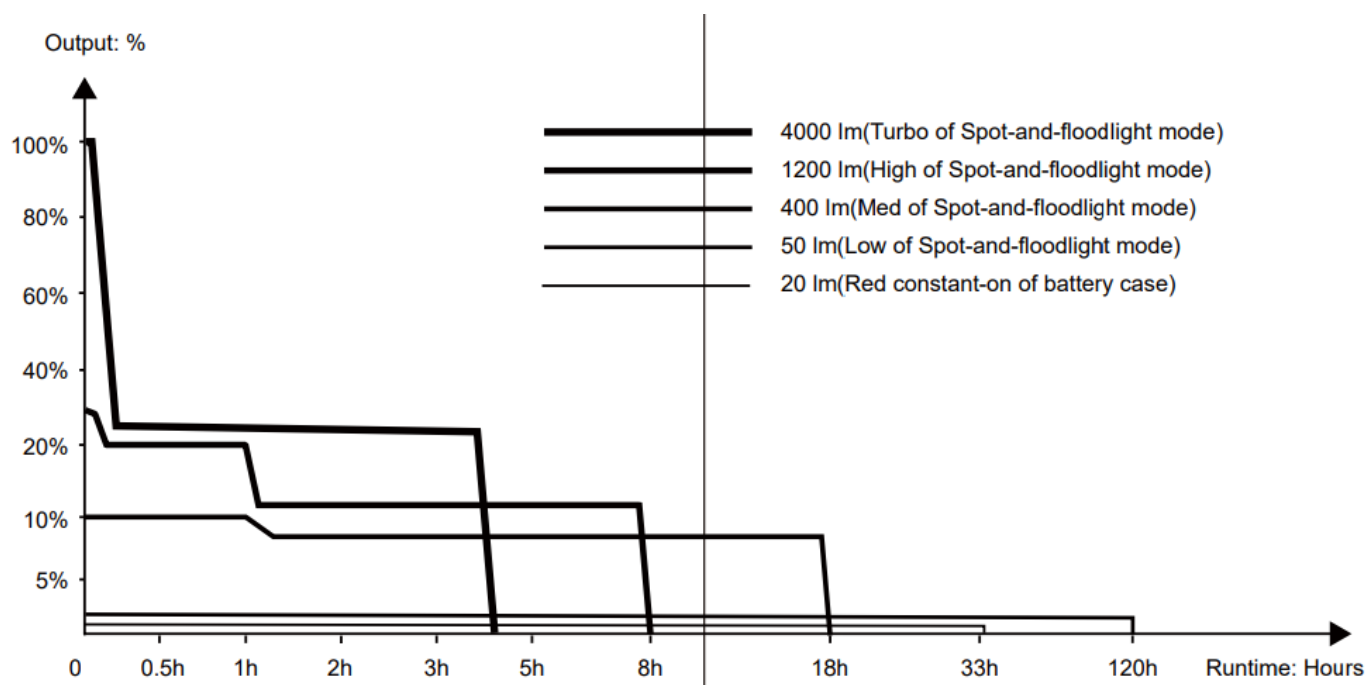
③ Switch B
long press to turn on/off the Red light,
single click to select between
Red flashing and Red constant-on

⑥ Type-C port

⑤ Battery level indication



④ Battery case





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⇌ Spot-and-floodlight.

Output Selection

- **Spotlight mode:** With the lamp switched on, single click Switch A to cycle through Low→Med→High→Turbo.
- **Floodlight mode:** With the lamp switched on, single click Switch A to cycle through Low→Med→High→Turbo.
- **Spot-and-floodlight mode:** With the lamp switched on, single click Switch A to cycle through Low→Med→High→Turbo.

Red Light Mode(Battery Case)

- **On/off:** press and hold Switch B for 0.5 seconds.
- **Output selection:** single click Switch B to select between Red flashing(5 lumens) and Red constant-on(20 lumens).

Intelligent Memory Circuit

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

INTELLIGENT BRIGHTNESS DOWNSHIFTING FUNCTION

Turning on/off Intelligent Brightness Downshifting Function

- **On:** With the lamp switched off, press and hold Switch A for 6 seconds, and the headlamp will flash twice at the Low output of Spot-and-floodlight mode, indicating that the function is enabled.
- **Off:** With the lamp switched off, press and hold Switch A for 6 seconds, and the headlamp will flash eight times at the Low output of Spot-and-floodlight mode, indicating that the function is disabled.

INTELLIGENT BRIGHTNESS DOWNSHIFTING

When the lamp head is close to an illuminated object (about 2.36"/60 mm) for more than 1 second, 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 1.2 seconds, the headlamp will automatically recall the previously used output level.

CHARGING

1. Uncover the anti-dust cap on the battery case and plug the USB Type-C side of the cable into the port on the battery case.
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 lamp switched off, the normal charging time is about 2 hours from depleted to fully charged.
4. Compatible fast-charging protocols: PD3.0/2.0; max charging power: 27 W.

Note:

1. The headlamp can be operated while charging.
2. Once charging is completed, be sure to unplug the cable and close the anti-dust cover.

POWER BANK FUNCTION

1. Uncover the anti-dust cap on the battery case and plug the USB Type-C side of the cable into the port on the battery case.
2. When discharging, the LED indicators will flash from right to left to display the discharging status.
3. The battery case will automatically stop discharging when the battery level is lower than 6.1 V.
4. Compatible fast-discharging protocols: PD3.0/PD2.0; max discharging power: 20 W.

Note:

1. The headlamp can be operated while discharging.
2. Once discharging is completed, be sure to unplug the cable and close the anti-dust cover.

BATTERY LEVEL INDICATION

With the lamp switched off, single click Switch B 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.

- 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%

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, the headlamp blinks at Low output of Spot-and-floodlight mode to remind you to recharge the battery case timely.

HEADBAND ASSEMBLY

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 can cause damage to the lamp and will void the warranty.
- Unplug the connecting cable to prevent accidental activation during storage or transportation.
- Recharge a stored headlamp every four months to maintain the optimum performance of the batteries.
- The headlamp may flicker, shine intermittently or even fail to illuminate due to poor battery level. Please recharge the battery case. If this method doesn't work, please contact the distributor.



INCLUDED

Fenix HP35R SAR headlamp, 2-in-1 Type-C charging cable, Cable clips, 4 x Helmet attachment hooks, Extension cable, User manual, Warranty card.

TECHNICAL PARAMETERS

ANSI/PLATO FL1	SPOTLIGHT				FLOODLIGHT				SPOT-AND-FLOODLIGHT			
	TURBO	HIGH	MED	LOW	TURBO	HIGH	MED	LOW	TURBO	HIGH	MED	LOW
🔦 OUTPUT	3000 lumens	800 lumens	350 lumens	50 lumens	1200 lumens	400 lumens	50 lumens	5 lumens	4000 lumens	1200 lumens	400 lumens	50 lumens
⌚ RUNTIME	5 hours 43 minutes*	11 hours 40 minutes	28 hours 24 minutes	120 hours	8 hours*	30 hours 48 minutes	120 hours	500 hours	4 hours 17 minutes*	8 hours	18 hours	120 hours
📏 DISTANCE	440 meters	230 meters	151 meters	56 meters	122 meters	68 meters	24 meters	7 meters	450 meters	241 meters	153 meters	55 meters
➕ INTENSITY	48518 candela	13274 candela	5718 candela	797 candela	3746 candela	1148 candela	140 candela	14 candela	50853 candela	14512 candela	5872 candela	745 candela
🔧 IMPACT RESISTANCE	2 meters											
🌧️ 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 two built-in 5000mAh batteries 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.
*The Turbo output is measured in total of runtime including output at reduced levels due to temperature or protection mechanism in the design.

	4000 LUMENS MAX OUTPUT
	450 METERS MAX BEAM DISTANCE

LIGHTING FOR EXTREMES



“Follow” us for more information about Fenix.

FENIXLIGHT LIMITED

Tel: +86-755-29631163/83/93


Fax: +86-755-29631181

E-mail: info@fenixlight.com

Web: www.fenixlight.com

Address: 2F/3F, West of Building A, Xinghong Technology Park, 111 Shuiku Road, Fenghuanggang Community, Xixiang Street, Bao'an District, Shenzhen City, Guangdong Province, China.

Documents / Resources

	<p>FENIX HP35R SAR Multiple Light Sources High Output Headlamp [pdf] Instruction Manual XHP70, SST 20, HP35R SAR Multiple Light Sources High Output Headlamp, HP35R SAR, Multiple Light Sources High Output Headlamp, Light Sources High Output Headlamp, Sources High Output Headlamp, High Output Headlamp, Output Headlamp, Headlamp</p>
---	---

References

- [User Manual](#)

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

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.