



**A1-20240617
Multiple Light
Sources High
Output**



FENIX A1-20240617 Multiple Light Sources High Output User Manual

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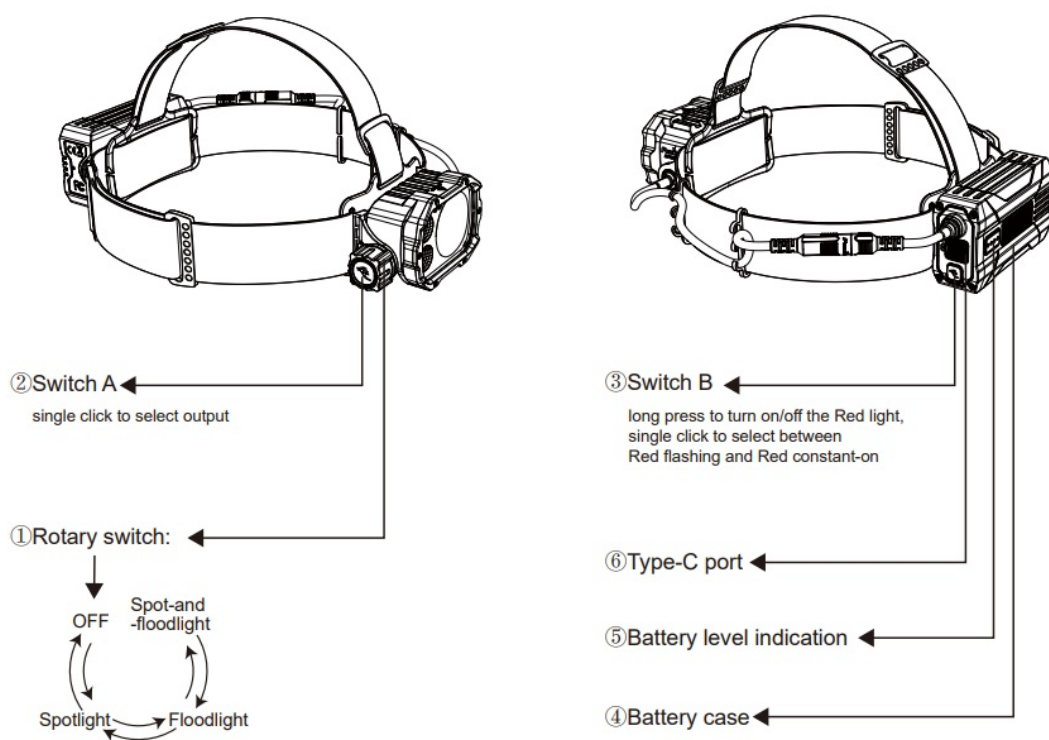
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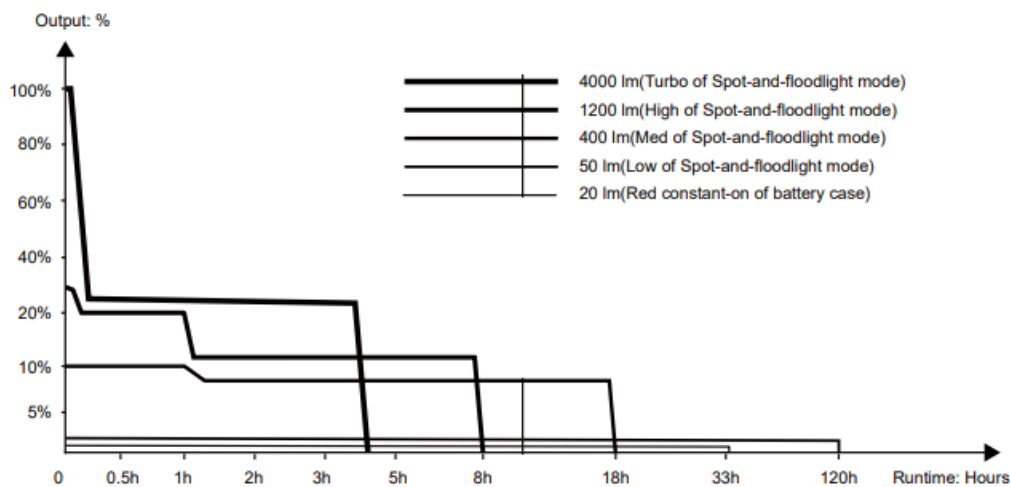
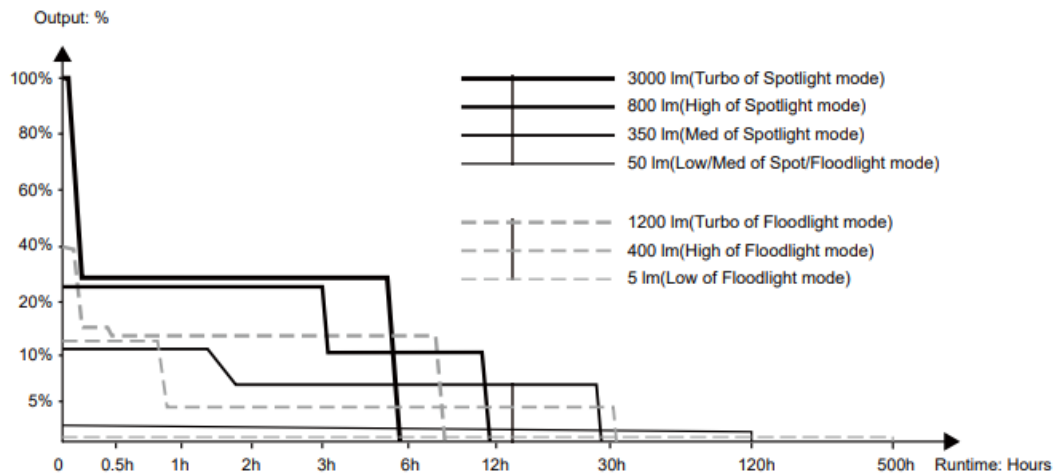
FENIX A1-20240617 Multiple Light Sources High Output



OVERVIEW



FREQUENCY



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 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, and 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.
- 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): 3.7" x 1.92" x 2.26"/94.1 x 48.7 x 57.4 mm.
- Battery case(including mount): 3.75" x 1.57" x 2.2"/95.3 x 40 x 55.8 mm.
- Weight: 15.27 oz/433 g (including batteries and headband).

OPERATING INSTRUCTIONS

On/off

- **On:** With the lamp switched off, turn the rotary switch clockwise from“ **POWER** ”to any designated mode to turn on the lamp.
- **Off:** With the lamp switched on, turn the rotary switch counterclockwise to“ **POWER** ” 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

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 | 56 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 run time including output at reduced levels due to temperature or protection mechanism in the design.

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 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 timely recharge the battery case.

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 headlamp, 2-in-1 Type-C charging cable, 2 x Cable clips, Extension cable, User manual, Warranty card

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Documents / Resources

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| | <p>FENIX A1-20240617 Multiple Light Sources High Output [pdf] User Manual A1-20240617, 61.149.221.110, A1-20240617 Multiple Light Sources High Output, A1-20240617, Multiple Light Sources High Output, Light Sources High Output, Sources High Output, High Output, Output</p> |
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References

- [User Manual](#)

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