

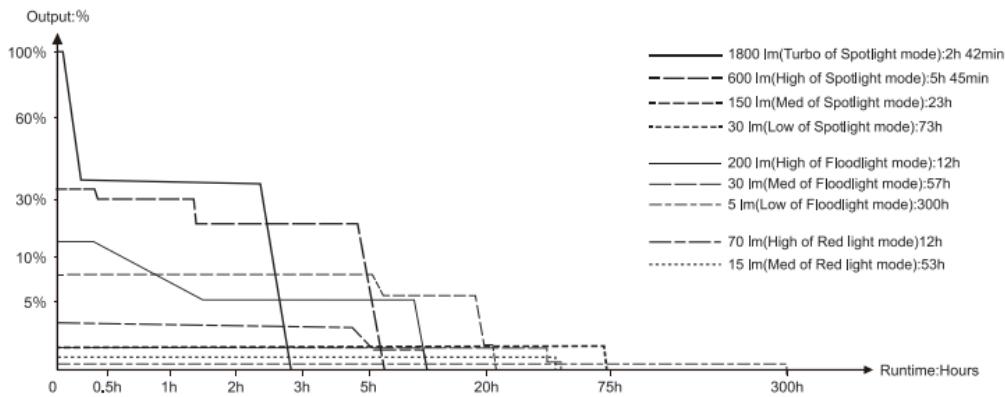
(ENGLISH)Fenix HM61R V3.0 Headlamp

Technical Parameters

ANSI/ PLATO FL1	Spotlight				Floodlight			Red light			
	Turbo	High	Med	Low	High	Med	Low	High	Med	Low	Flash
 OUTPUT	1800 lumen s	600 lumen s	150 lumen s	30 lumen s	200 lumen s	30 lumen s	5 lumen s	70 lumen s	15 lumen s	3 lumen s	3 lumen s
 RUNTIME	2 hours 42 minut es*	5 hours 45 minut es	23 hours	73 hours	12 hours	57 hours	300 hours	12 hours	53 hours	222 hours	/
 DISTANCE	195 meter s	107 meter s	53 meter s	24 meter s	33 meter s	10 meter s	5 meter s	17 meter s	8 meter s	4 meter s	/
 INTENSITY	9540 candel a	2847 candel a	696 candel a	139 candel a	273 candel a	25 candel a	6 candel a	70 candel a	14 candel a	3 candel a	/
 IMPACT RESISTANCE	2 meters										
 SUBMERSIBLE	IP68										

Note: According to the ANSI/PLATO FL1 standard, the above specifications are from the results produced by Fenix through its laboratory testing using one Fenix ARB-L18-4000 battery under the temperature of $21\pm3^{\circ}\text{C}$ 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.



Warning

- ◎ Do NOT place this headlamp in the reach of children!
- ◎ Do NOT shine this 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 this 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 lamp shell. Pay close attention to avoid burns!
- ◎ Turn off and lock the headlamp or remove the battery to prevent accidental activation when the headlamp is placed in a closed and flammable environment such as pockets and backpacks!
- ◎ The LEDs of this headlamp are not replaceable; so the whole lamp will need to be replaced if any one of the LEDs reaches the end of its lifespan.

Product features

- ◎ 1800 lumens maximum output, 190 meters maximum beam distance.
- ◎ Utilizes one Luminus SST40-GEN2 white LED, one OSRAM 1414 CRI90 white LED, and one OSRAM 1414 red LED; with a lifespan of 50,000 hours each.
- ◎ Spotlight, floodlight and red light sources assist lighting needs in various complex outdoor scenarios.

- ◎Dual side switch for mode switching and output selection.
- ◎The detachable lamp can be used as a flashlight.
- ◎Magnetic tail-cap for easy and flexible mounting.
- ◎Powered by a replaceable ARB-L18-4000 battery .
- ◎USB Type-C charging port with inner waterproof treatment.
- ◎Made of durable A6061-T6 aluminum alloy.
- ◎Premium type HAIII hard-anodized anti-abrasive finish.
- ◎IP68-rated protection and 2 meters impact resistance.
- ◎Size: 4.15" × 1.50" × 2.01"/105.4 × 38 × 50.95 mm(including mount).
- ◎Weight: 5.91 oz/167.6 g (including battery and headband).

Operating Instructions

On/off

On: With the lamp turned off, press and hold the main switch for 0.5 seconds to turn on the lamp or double click the main switch to turn on the lamp and enter the red light.

Off: With the lamp turned on, press and hold the main switch for 0.5 seconds to turn off the lamp.

Mode Switching

With the lamp turned on, single click the mode switch to cycle through Spotlight→Floodlight→Red light.

Output Selection

Spotlight mode: Single click the main switch to cycle through Low→Med→High→Turbo.

Floodlight mode: Single click the main switch to cycle through Low→Med→High.

Red light mode: Single click the main switch to cycle through Low→Med→High→Flash.

Intelligent Memory Circuit

The headlamp automatically memorizes the previously used output level and mode excluding Red light.

When turned on again, the previously used output level and mode will be recalled.

*When turned on in Spotlight mode,

the headlamp will activate in High output if it was previously switched off in Turbo output.

Lock/unlock

Lock: With the lamp turned off, press and hold the main switch for 3 seconds, the lamp will blink 4 times in the Low output of Floodlight mode to indicate locked status.

Unlock: With the lamp locked, press and hold the main switch for 3 seconds, the lamp will be activated with 4 white blinks and activated in the **Low** output of Floodlight mode to indicate the lamp is unlocked.

Note: In locked status, any operation other than unlocking will activate 4 blinks in the Low output of Floodlight mode to indicate locked status. Reinserting the battery will unlock the headlamp.

Intelligent Brightness Downshift Function

On/off

On: With the lamp turned off, press and hold the mode switch for 6 seconds, and the headlamp will blink twice in the Low output of Floodlight mode, indicating that this function is enabled.

Off: With the lamp turned off, press and hold the mode switch for 6 seconds, and the headlamp will blink 8 times in the Low output of Floodlight mode, indicating that this function is disabled.

*This function is enabled as a factory default.

Intelligent downshift

In Spotlight mode, when the lamp head is close to an illuminated object (about 2.36"/60 mm), the headlamp automatically and gradually downshifts to Low output. When the lamp head is away from the illuminated object for more than 0.8 seconds, the headlamp automatically recalls the previously used brightness level.

Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Fenix ARB-L18-4000	18650	3.6 V	Recommended	✓✓
Fenix ARB-L18-4000U	18650	3.6 V	Recommended	✓✓

Fenix ARB-L18-3500	18650	3.6 V	Recommended	✓✓
Fenix ARB-L18-3400	18650	3.6 V	Recommended	✓✓
Non-rechargeable Battery (Li-ion)	CR123A**	3.0 V	Usable	✓
Other Batteries (Li-ion)	16340**	3.6 V	Usable	✓

Warning: 1. Do not use batteries without any protection board.

2. Do not mix batteries of different types.

*18650 Li-ion batteries are powerful cells designed for commercial applications and must be treated with caution and handled with care. 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.

**For optimal performance, it is recommended to use the included battery. When using CR123A or 16340 batteries, do not charge them to ensure safety. With these batteries, the headlamp will operate with fewer brightness levels and shorter runtime.

Battery Replacement

Unscrew the battery cover and insert the battery in accordance with the polarity marks, then screw the battery cover back on.

Charging

1. Open the anti-dust cap and plug the USB Type-C end of the charging cable into the charging port of the headlamp.
2. The indicator will display red while charging and will turn green when fully charged.
3. Once charging is completed, be sure to unplug the charging cable and close the anti-dust cover to prevent the ingress of dust and debris.

Note:

1. The normal charging time of the included battery is approximately 2.5 hours from depleted to fully charged with a 5 V/2.6 A charging adapter.
2. When using CR123A or 16340 batteries, it is strictly prohibited to mix batteries of different models, types, ages, capacities, or charge states. Furthermore, it is strictly prohibited to charge these batteries.
3. Recharge a stored headlamp every four months to maintain the optimum performance of the battery.

Battery Level Indication

With the lamp turned off, single click the main switch to check the current battery level. Single click once again and the battery level indicator will go out, or without any operation the battery level indicator will last for 3 seconds. Each time the lamp is turned on, the battery level indicator will also indicate the current battery level and will last for 3 seconds.

Green light on: 100% - 85%

Green light flashes: 85% - 50%

Red light on: 50% - 20%

Red light flashes: 20% - 1% (please charge the headlamp promptly)

*This only works with a Fenix ARB-L18 Series rechargeable battery.

Intelligent Overheat Protection

The headlamp will accumulate a lot of heat when used at high output levels for extended periods.

When the headlamp 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 headlamp 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 the lowest output is reached. When this happens in the lowest output, the battery level indicator blinks red to remind users to recharge or replace the battery in a timely manner.

*This only works with a Fenix ARB-L18 Series battery.

Headband Assembly

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

Adjust the headband by sliding the buckle to the required length.

Usage and Maintenance

- ◎Disassembling the sealed head can cause damage to the headlamp 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 headlamp could be damaged by electrolyte leakage.
- ◎Turn off and lock the headlamp or remove the battery to prevent accidental activation during storage or transportation.
- ◎Long-term use can result in O-ring wear. To maintain a proper water seal, replace the O-ring with an approved spare.
- ◎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: Poor battery level.

Solution: Recharge or replace the battery.

B: The contact or contact point of the battery or headlamp is 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 HM61R V3.0 headlamp, ARB-L18-4000 battery, Spare O-ring, USB Type-C charging cable, User manual, Warranty card