



# HM65R V2.0

## MULTIPLE-LIGHT-SOURCE MAGNESIUM HEADLAMP

**2200 LUMENS MAX  
OUTPUT**

**230 METERS MAX  
BEAM DISTANCE**

### 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!
- 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 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.

### (ENGLISH) FENIX HM65R V2.0 HEADLAMP

- 2200 Lumens maximum output, 230 meters maximum beam distance.
- Uses one Luminox SST40-GEN2 LED, one Luminox SST-20F LED, and one 3535 red LED; with a lifespan of 50,000 hours each.
- Spotlight, floodlight, combined output, and red light meet various lighting needs in complex outdoor scenarios.
- Magnesium alloy lamp body, lightweight and portable.
- Dual top switches allow for independent control of spotlight, floodlight, and brightness levels.
- Powered by an included ARB-L18-3400 rechargeable battery.
- Inner waterproof USB Type-C charging port.
- IP68-rated protection and 2 meters impact resistance.
- Electronic and physical lockout features prevent accidental activation.
- Size: 3.15" x 1.58" x 2.07" (80 x 39.6 x 52.5 mm).
- Weight: 5.08 oz/144 g (including battery and headband).

### OPERATING INSTRUCTIONS

#### On/Off

**On:** With the lamp turned off, press and hold the spotlight switch for 0.5 seconds to enter Spotlight mode, press and hold the floodlight switch for 0.5 seconds to enter Floodlight mode, or double click either switch to enter Red light mode.  
**Off:** In White light mode, press and hold the corresponding switch for 0.5 seconds to turn off the headlamp. In Red light mode, press and hold either switch for 0.5 seconds to turn off the headlamp.

#### Mode Switching

Spotlight and Floodlight modes are independently controlled and can be turned on at the same time.

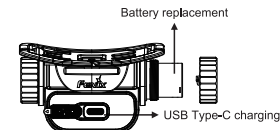
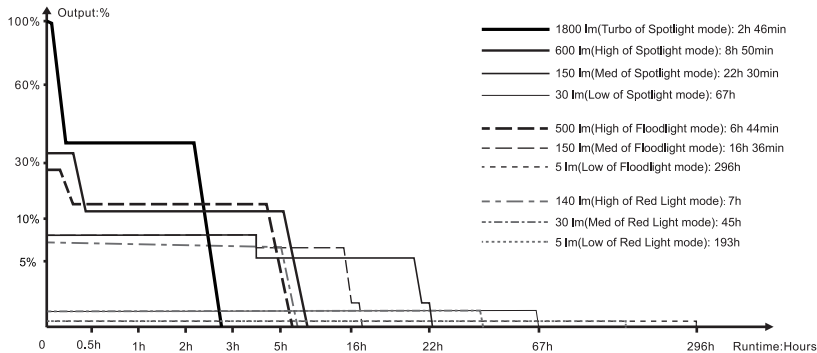
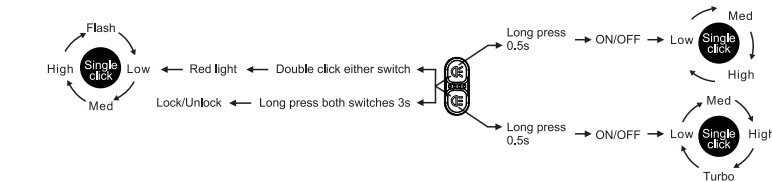
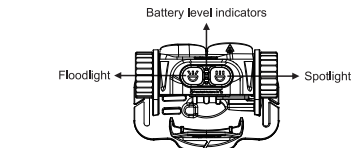
#### Output Selection

In Spotlight mode, single click the spotlight switch to cycle through Low—Med—High—Turbo.  
In Floodlight mode, single click the floodlight switch to cycle through Low—Med—High.

In Red light mode, single click either switch to cycle through Low—Med—High—Flash.

#### Intelligent Memory Circuit

The headlamp automatically memorizes the last selected output of each mode



### TECHNICAL PARAMETERS

ANSI PLATO FL1	SPOTLIGHT					FLOODLIGHT					RED LIGHT			FLASH
	TURBO	TURBO	HIGH	MED	LOW	HIGH	MED	LOW	HIGH	MED	LOW			
OUTPUT	2200 lumens	1800 lumens	600 lumens	150 lumens	30 lumens	500 lumens	150 lumens	5 lumens	140 lumens	30 lumens	5 lumens	5 lumens		
RUNTIME	3 hours 40 minutes*	2 hours 46 minutes*	8 hours 50 minutes	22 hours 30 minutes	67 hours	44 minutes	36 minutes	296 hours	7 hours	45 hours	193 hours	/		
DISTANCE	226 meters	230 meters	150 meters	74 meters	34 meters	51 meters	27 meters	4 meters	28 meters	13 meters	4 meters	/		
INTENSITY	12813 candela	13220 candela	5648 candela	1378 candela	284 candela	649 candela	184 candela	4 candela	196 candela	42 candela	4 candela	/		
IMPACT RESISTANCE	2 meters													
SUBMERSIBLE	IP68													

Note: According to the ANSI PLATO FL1 standard, the above specifications are from the results of testing performed by Fenix using its laboratory testing using one Fenix ARB-L18-3400 battery under the conditions of 21±3°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.

recalling Red light. When turned on again, the last selected output 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 both switches at the same time for 3 seconds, the lamp will blink 4 times in Low output of Floodlight mode to indicate locked status.  
**Unlock:** With the lamp locked, press and hold both switches at the same time for 3 seconds, the lamp will blink 4 times and remain on in Low output of Floodlight mode to indicate that the lamp is unlocked.

Note:  
1. In locked status, any operation other than unlocking will trigger 4 blinks in Low output of Floodlight mode to indicate locked status.  
2. In locked status, charging will automatically unlock the headlamp without turning it on.

### CHARGING

- Open the anti-dust cover and plug the USB Type-C end of the charging cable into the charging port of the headlamp.
- When charging, the indicators will light up in sequence to display the charging status. The four indicators will be constant-on after charging is completed.
- 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.
- With the lamp turned off, the normal charging time of the included Fenix ARB-L18-3400 battery is approximately 2.5 hours from depleted to fully charged with a 5 V/1.8 A or above charging adapter.

- Note:  
1. The headlamp can be operated while charging, with all outputs available except for Turbo.  
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.  
4. Only use a certified USB charging adapter that complies with local safety standards.

### BATTERY LEVEL INDICATION

With the lamp turned off, single click either switch 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. Each time the headlamp is turned on, the indicator(s) will show the battery level and 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%  
No light flashes: 20% - 1% (please charge in time)  
\*This only works with 2 Fenix ARB-L18 Series 18650 battery.

### BATTERY SPECIFICATIONS

Type	Dimensions	Nominal Voltage	Usability
Fenix ARB-L18 Series	18650*	3.6 V	Recommended
Non-rechargeable Battery (Li-ion)	CR123A**	3.0 V	Usable
Other Rechargeable Battery (Li-ion)	16340**	3.6 V	Usable
Other Rechargeable Battery (Li-ion)	18650*	3.6 V	Caution*

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 overcharging) 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



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headlamp will operate with fewer brightness levels and shorter runtime.

### BATTERY REPLACEMENT

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

### 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, one of the battery level indicators blinks to remind users to recharge or replace the battery in a timely manner.

\*This only works with a Fenix ARB-L18 Series 18650 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 headlamp will not be used for an extended period, remove the battery, or the lamp 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:

- The headlamp is locked.  
Solution: Press and hold both switches at the same time for 3 seconds to unlock the headlamp.
- Low battery level.  
Solution: Recharge or replace the battery.
- 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 HM65R V2.0 headlamp, ARB-L18-3400 battery, Spare O-ring, USB Type-C charging cable, User manual, Warranty card