Fenix HP40F Headlamp

The Fenix HP40F Headlamp puts visibility where it counts without disturbing fish. Variable LED output and two color options allow precise illumination for still fishing early and late. High power blue light with 24-meter beam distance and up to 8.5 hours runtime turns HP40F headlamp into a powerful tool from boat, dock and shore.

Technical Parameters

ANSI/NEMA FL1	White Light				Blue Light			SOS
	Turbo	High	Mid	Low	High	Mid	Low	
OUTPUT	450 Lumens	180 Lumens	65 Lumens	8 Lumens	50 Lumens	28 Lumens	12 Lumens	180 Lumens
RUNTIME	6h	15h10min	48h	280h	8h30min	14h	32h	
DISTANCE	110m (Max)				24m (Max)			
INTENSITY	3062cd (Max)							
IMPACT RESISTANT	1m							
WATER RESISTANT	IPX-6							
ACCESSORIES	Top headband mount, spare O-ring, cable clip							

Notice: The above-mentioned parameters (lab tested by Fenix using two ARB-L2S Li-ion 18650 rechargeable batteries) are approximate and may vary between lights, batteries and environments.

◎ Utilizes Cree XP-E2 M3 LED and XP-G2 R5 LED with a lifespan of 50,000 hours
◎ Uses two 18650 rechargeable cells or four CR123A batteries
◎ Light size 76mm (Length) ×55.7mm (Width) ×31.5mm (Height)
◎ Battery box size 116.6mm (Length) ×56.3mm (Width) ×29.6mm (Height)
◎ 280.5-gram weight (excluding batteries)
◎ Digitally regulated output maintains constant brightness
◎ Two dedicated light sources with independent controls
◎ Lockout function – prevents the light from accidental activation
◎Remote battery case shifts weight from head to belt or pack and protects runtimes in

cold conditions

◎ USB output for emergency power to communication or navigation devices

◎ 60-degree tilt mechanism

◎ Reverse polarity protection guards against improper battery installation

◎ Made from durable aluminum alloy and performance plastic

◎ Toughened ultra-clear glass lens with anti-reflective coating

Operation

The light features individual LED controls. The button with the ⬭ icon controls the blue LED while the one with ⬭ icon controls the white LED.

White LED

Press the button with ⬭ icon to turn the white light on. Hold the button for 0.5 seconds to turn it off.

Press the button with ⬭ icon to cycle through brightness levels in the order of Turbo→ Low→ Mid→ High when the light is turned on.

SOS Mode

Hold the button with ⬭ icon for 3 seconds to active SOS mode.

Blue Light

Press the button with ⬭ icon to turn the blue light on. Hold the button for 0.5 seconds to turn it off.

Press the button with ⬭ icon to cycle through the brightness levels in the order of High→ Mid→ Low when the light is turned on.

Intelligent Memory Circuit

HP40F memorizes the last brightness level used, but it will not remember the SOS mode. The next time you turn the light on, it activates in the last brightness level you used.

Fuel Gauge

Press the button on the top of the battery box to check the battery's remaining capacity, turning the light off first to ensure a more accurate reading. When all four LEDs are lit solid blue, battery capacity is more than 80%. When only one LED is lit and is blinking, remaining power is under 20%.

LED indicator	Remaining power
4 solid blue	80%~100%
3 solid blue	60%~80%
2 Solid blue	40%~60%

1 Solid blue	20%~40%
1 blinking blue	Less than 20%

When the power is less than 5%, the HP40F automatically shifts to Low output of white LED to extend runtime.

USB Output

Unplug the anti-dust plug at the side of the battery box to reveal the USB port and connect USB devices with a compatible charging cable. Press and hold the button at the top of the battery box for 3 seconds to activate external device charging function. The LED indicators will light up successively to indicate the charging process has begun.

Note:
Once charging is completed, be sure to securely plug the anti-dust cover to keep the battery box properly sealed.
Headlamp runtimes are based on fully-charged 18650 cells that have not been used to charge other devices, a process that may significantly reduce remaining power.

Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Fenix ARB-L2 series	18650	3.7V/3.6V	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 （LiFePO$_4$）	16340	3.2V	Usable	√
Rechargeable Battery （LiFePO$_4$）	18650	3.2V	Banned	✕

Warning: Please do not mix batteries of different brands, size, capacity or type. Doing so may cause damage to the flashlight or the batteries being used.

*18650 Li-ion batteries are powerful 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.

Battery Replacement

Unscrew the nut at the top of the battery box to take off the top cap of the battery box and insert the batteries following the polar (+ and -) indicators. Replace the top cap and securely fasten the nut.

Assemble the Headlamp

1. Slide the buckle to adjust the length of the headband to fit your head size.
2. Attach the top headband mount to the headband and then attach the top headband to the headlamp holder and the top headband mount for additional stability
3. Attach the cable clips to the headband and then pass the power cable through the cable clips and top headband mount and connect it to the battery box, keeping the cable free of twists and knots.

Usage and Maintenance

◎Please don't disassemble the sealed head, as doing so can cause damage to the light and will void the warranty.

◎The O-ring may be worn out after using for a long time. If it happens, please replace the O-ring with a new one to keep the light properly sealed against water.

◎Please clean the contacts of your light from time to time, especially if the light flickers or doesn't light up. There may be several reasons for a flickering or inoperative light:

Reason A: The battery needs replacing.

Solution: Replace the battery with positive (+) and negative (-) terminals properly aligned.

Reason B: The threads, PCB board contact or other contacts are dirty.

Solution: Clean the contact points with an alcohol soaked cotton swab.

If the above methods don't work, please contact the distributor and refer to the warranty policy.

Product Warranty

We will replace products with manufacturing defects within 15 days of purchase and repair a light free of charge within 24 months of purchase if problems develop with normal use; if repair is required after 24 months from the date of purchase, we will charge for parts. The total repair fee is dictated by the cost of the replaced materials.

Product Registration

We kindly suggest that you register your product on the official website of Fenixlight Limited (www.fenixlight.com). You can get an extra six-month warranty period once you have successfully registered. By participating in an optional customer survey, you are entered in a drawing for free Fenix products.

Warning

The Fenix HP40F Headlamp is a high-intensity lighting device capable of causing eye damage. Avoid shining the light directly into the eyes.

The light will accumulate heat after working in the turbo mode for an extended period of time. In order to avoid injury, do not touch the metal part of the light head.

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