

Fenix FD65 Flashlight

Technical Parameters

ANSI/PLATO FL1		General Mode					Flash Mode		
		Turbo	High	Med	Low	Eco	Strobe	SOS	
 Output		3800 Lumens	1200 Lumens	400 Lumens	150 Lumens	50 Lumens	3800 Lumens	150 Lumens	
 Runtime		3h	5h	19h 40min	40h 50min	86h	/	/	
 Distance	Spotlight	410m	230m	131m	85m	52m	/	/	
	Floodlight	86m	49m	29m	19m	11m	/	/	
 Intensity	Spotlight	42,000cd	13,200cd	4,290cd	1,800cd	680cd	/	/	
	Floodlight	1,850cd	600cd	210cd	90cd	30cd	/	/	
 Impact Resistance		1m							
 Waterproof		IP68, underwater 2m							

The above-mentioned parameters (lab-tested by using 4 Fenix ARB-L18-3500 3.6V/3500mAh rechargeable Li-ion batteries) may vary between flashlights, batteries and environments.

- Cree XHP35 HI neutral white LED with lifespan of 50,000 hours
- Powered by 4*18650 rechargeable Li-ion batteries (2 for emergency)
- 152.5mm Length x 50.5mm Body diameter x 61mm Head diameter
- 431 grams (excluding batteries)
- Low and High separately controlled for powering on

- Momentary on SOS and Strobe
- Dual side switches for separate upward and downward output selection
- High efficient TIR optical focusing lens
- Fitted with 1/4" threaded interface (Standard tripod socket)
- Digitally regulated output maintain constant brightness
- Reverse polarity protection, to protect from improper battery insertion
- Intelligent overheat protection protects from high surface temperature
- Made of durable aircraft-grade aluminum
- Premium type III hard-anodized anti-abrasive finish

*When uses 2 batteries for emergency lighting:

1. Do not use Turbo mode.
2. If Turbo is accidentally activated, the light could switch off automatically, take out the batteries and reload, the light will get back to normal use.

Accessories: Lanyard, holster, spare O-ring

Operating Instruction

ON/OFF

With the light off, press and hold the L switch for 0.5 seconds to turn on the Low output.

With the light off, press and hold the H switch for 0.5 seconds to turn on the High output.

With the light on, press and hold any switch for 0.5 seconds to turn off the light.

Note: If the battery level gets too low, the light can only be lit on the output level that the battery level can activate.

Output Selection

With the light on, single click the L switch for brightness decrease, and single click the H switch for brightness increase.

Flash Mode

In any state, press and hold the L switch for 1.2 seconds to enter SOS, press and hold the H switch for 1.2 seconds to enter strobe, click one of the switch once again to turn back to general brightness level.

Spot- and Floodlight Adjustment

Rotate the focusing ring to regulate between spotlight and floodlight. Counterclockwise to gradual spotlight, clockwise to gradual floodlight. (The factory default is floodlight, and it will be a little tight for first focusing ring rotating)

Lockout Function

Lock: with the light unlocked, simultaneously press and hold the two switches for over 2 seconds. Light will blink twice on Low and then switch off to indicate locked status.

Unlock: with the light locked, simultaneously press and hold the two switches for over 2 seconds. The light will be unlocked and activated on last used brightness.

With the light locked, press any switch will activate 2 blinks and then switch off to indicate locked status.

Intelligent Overheat Protection

The light will accumulate a lot of heat when used on Turbo output level for extended periods. When high temperature (>65°C) is detected or after 3-minute working on Turbo, the light will automatically step down by a few lumens to reduce temperature.

Low-voltage Warning

When the voltage level drops below the preset level, the flashlight is programmed to downshift to a lower brightness level until Eco output is reached. When this happens in Eco output mode, the flashlight blinks three times every five minutes to remind you to replace the batteries. To ensure normal use, the flashlight will not turn off automatically and will work till the batteries protection activate.

Note:

1. The light can be lit both with 2 and 4 batteries, insert any group of batteries as the location hole shown, the light works normal.
2. When the battery level gets too low, turning up the brightness will activate the battery protection, thus the light will switch off automatically. Take out the batteries and reload, the light will activate on Low, or replace batteries for normal use.

Batteries Specifications

Types	Nominal Voltage	Usability	
Fenix ARB-L18 series	3.7V	Recommended	✓✓
Fenix ARB-L2 series	3.7V	Recommended	✓✓
Rechargeable Battery (Li-ion)	3.6V/3.7V	Cautious*	!
Rechargeable Battery (Li-ion)	3.6V/3.7V	Banned	×
Rechargeable Battery (LiFePO ₄)	3.2V	Banned	×

*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 for

combustion or explosion but cell damage or short circuiting are potential risks the user assumes.

Battery Replacement

Unscrew the tail cap to insert the battery with the polarity markings correct direction according to the signs on the bottom with the anode side (+) towards the light head, then screw the tail cap back on.

Usage and Maintenance

- Disassembling the sealed head can cause damage to the light and will void the warranty.
- Fenix recommends using excellent quality battery.
- If the light will not be used for an extended period, remove the battery, or the light could be damaged by electrolyte leakage or battery explosion.
- Continuous working at Turbo brightness level, the light may activate overheat protection or cause light beam trembling, to maintain normal status, lower the brightness level to cool down the flashlight.
- Long-term use can result in O-ring wear. To maintain a proper water seal, replace the 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: The batteries need replacing.
Solution: Replace batteries (Ensure batteries are inserted according to the manufacturer's specifications).
 - B: The threads, PCB board contact or other contacts are dirty.
Solution: Clean the contact points with a cotton swab soaked in rubbing alcohol.

If the above methods don't work, please contact your authorized distributor.

Warning

The flashlight is a high-intensity lighting device capable of causing eye damage to the user or others. Avoid shining the flashlight directly into anyone's eyes.