

# Fenix PD40R Flashlight

## Technical Parameters

ANSI/PLATO FL1	General Mode					Flash Mode	
	Turbo	High	Med	Low	Eco	Strobe	SOS
 Output	3,000 Lumens	1,000 Lumens	350 Lumens	100 Lumens	20 Lumens	1,000 Lumens	350 Lumens
 Runtime	12min*	2h	7h 25min	21h 15min	55h	/	/
 Distance	200m	123m	68m	39m	16m	/	/
 Intensity	10,000cd	3,800cd	1,150cd	380cd	65cd	/	/
 Impact Resistance	1m						
 Waterproof	IPX-8, underwater 2m						
Spot Beam Angle	23°						
Spill Beam Angle	65°						
Accessories	Lanyard, 3.6V/4500mAh power battery, spare O-ring, holster, USB charging cable						

The abovementioned parameters (lab-tested by Fenix using a 3.6V/4500mAh 26650 rechargeable Li-ion power battery) may vary between flashlights, batteries and environments.

\*Due to the dual overheat protection; the runtime of Turbo is estimated.

- Uses Cree XHP 70 LED with a lifespan of 50,000 hours
- Powered by one 26650 rechargeable Li-ion power battery and 26650 rechargeable Li-ion battery
- 138.5mm Length x 34mm Head diameter x 30mm Body diameter
- 126 grams (excluding battery)
- Micro USB charging

- Digitally regulated output maintains constant brightness
- Battery level indication
- Low voltage warning reminds when battery replacement is needed
- Reverse polarity protection, to protect from improper battery insertion
- Intelligent overheat protection to prevent high surface temperature
- Made of durable aircraft-grade aluminum
- Premium type  hard-anodized anti-abrasive finish
- Toughened ultra-clear glass lens with anti-reflective coating

## Operation Instruction



Master switch: controls General mode and output selection



Auxiliary switch: controls Flash mode and output selection

### ON/OFF

With the light off, long press the master switch for 0.5 seconds to activate the General mode, long press the auxiliary switch for 0.5 seconds to activate the Flash mode.

With the light on, long press either switch for 0.5 seconds to turn off the light.

### Mode Switching

In General mode, single click the auxiliary switch to activate Flash mode.

In Flash mode, single click the master switch to activate General mode.

### Output Selection

In General mode, single click the master switch to cycle through Eco→Low→Med→High→Turbo.

In Flash mode, single click the auxiliary switch to cycle through Strobe→SOS.

### Lock-out Function

Lock: Simultaneously press the two switches over 3 seconds (when the light is unlocked); the light will flash on Low brightness level twice, indicating the light is locked.

Unlock: Simultaneously press the two switches for over 3 seconds (when the light is locked); the flashlight will be unlocked and turned on the last used output level.

In locked status, a single press on either switch, the light will flash at Low brightness level twice to remind it's locked.

### Intelligent Memory Circuit

The flashlight memorizes the last brightness level used in the General mode. The next time it is turned on, it will recall the previously used General brightness level.

### Battery Level Indication

When the light is turned off, the battery level indicator around the switches will display the

battery status for 3 seconds.

Green light constantly on: sufficient

Red light constantly on: poor

Red light flashes: critical

### Dual-protection Function

**Time control:** The light will gradually step down in lumen output from Turbo to High after 1.5 working minutes.

**Heat control:** The light will accumulate a lot of heat when Turbo output level is repeatedly selected for extended periods. When the light reaches a temperature of 65°C, it will automatically downshift to High output level.

### Low Power Warning Function

When the battery level gets low, the battery level indicator will flash automatically to remind of charging. To ensure normal use, the flashlight will not turn off and will work until the over-discharge function stops the battery from working.

## Charging

1. Plug the USB side of the charging cable into an electrical outlet; open the anti-dust cover, then plug the Micro USB side of the charging cable into the light. The indicator light around the switch will display red while charging, and will turn to solid green when fully charged. The normal charging time is about 4.5 hours. Recommended voltage/current: 5V/2A.
2. Once charging is completed, be sure to close the anti-dust cover.
3. If emergency lighting is needed while in charging process, the flashlight can be used on Low output level.
4. Recharge a stored PD40R every four months to maintain optimum battery performance.

## Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
ARB-L26-4500P	26650	3.6V	Recommended	✓
Rechargeable Battery (Li-ion)**	26650	3.7V	Usable*	✓

\*The compatible rechargeable 26650 Li-ion battery only activates the flashlight up to High output level.

\*\*26650 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 to the user.

## Battery Replacement

Unscrew the tail cap to insert the battery 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.
- Long-term use can result in O-ring wear. To maintain a proper watertight 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 battery needs replacing.  
Solution: Replace battery (Ensure battery is 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 refer to the warranty policy before contacting 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.