

FENIX
LIGHTING FOR EXTREMES



**PD40R
V2.0**

**MECHANICAL
ROTARY
SWITCHING
FLASHLIGHT**

3000 lumens maximum output

405 meters maximum beam distance

(English) Fenix PD40R V2.0 Flashlight

- 3000 lumens maximum output, 405 meters maximum beam distance.
- Aluminous SST70 LED with a lifespan of 50,000 hours.
- Patented technique of rotary mode selection switching for accurate operation.
- Included a 5000mAh 21700 rechargeable Li-ion battery.
- Inner waterproof USB Type-C charging port.
- Made of A6061-T6 aluminum.
- Premium type HAIII hard-anodized anti-abrasive finish
- Boot-up battery level indication.
- Reverse polarity protection, to protect from improper battery insertion.
- Anti-roll and anti-slip body design.
- Size: 5.43" x 1.31" x 1.02" / 138 x 33.2 x 26 mm.
- Weight: 4.13 oz/117 g (excluding battery).

Operating Instruction ①

On / Off

Rotate the mechanical side switch to the right side to turn on the light; rotate the mechanical side switch to OFF mode to turn off the light.

Output Selection

Rotate the mechanical side switch to cycle through OFF \neq Low \neq Med \neq High \neq Turbo.

Strobe

Rotate the mechanical side switch to the rightmost position to enter strobe mode.

Battery Specifications

Type	Dimensions	Nominal Voltage	Usability
Fenix ARB-L21	21700*	3.6V	Recommended \neq
Rechargeable battery (Li-ion)	21700*	3.6V	Caution \neq
Rechargeable battery (Li-ion)	18650	3.6V	Banned \times

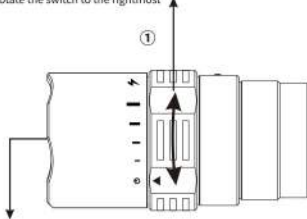
WARNING: Do not mix batteries of different brands, sizes, capacities or types. Doing so may cause damage to the flashlight or to the batteries being used.

*21700 Li-ion batteries are powerful cells designed for commercial applications and must be treated with caution and handled with care. Only use 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.

Mechanical rotary switch

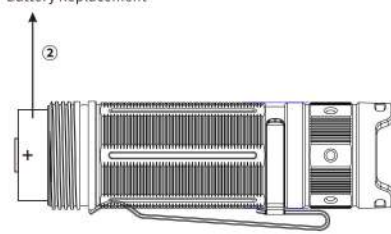
Output selection: OFF \neq Low \neq Med \neq High \neq Turbo

Strobe: rotate the switch to the rightmost

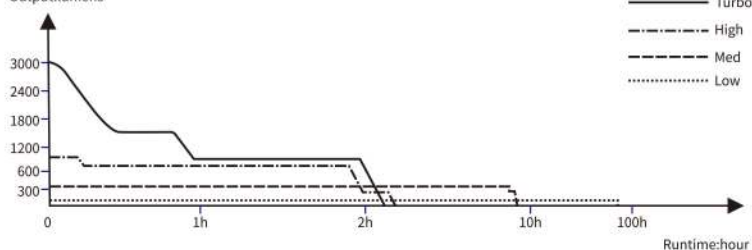


Luminus SST70 LED

Battery Replacement



Output: lumens



Battery Replacement ②

Unscrew the light body and insert the battery with the anode side (+) towards the light head, then screw the light body back on.

Battery Level Indication

When the light is switched on, the battery level indicator inside besides the charging port will light up to display the battery status, the indicator will stay on for 3 seconds before it goes off.

- Green light on: saturated 100% - 85%
- Green light flashes: sufficient 85% - 50%
- Red light on: poor 50% - 25%
- Red light flashes: critical 25% - 1%

Note: This only works with Fenix ARB-L21 Series 21700 rechargeable Li-ion battery.

Charging

- First switch off the light and plug the USB A socket of the charging cable into an electrical outlet, then connect the USB Type-C socket of the charging cable to the light.
- The indicator will display red while charging, and will turn to green when fully charged.
- Once charging is completed, be sure to close the anti-dust cover. (The light features inner waterproofing treatment, thus the performance won't compromise even if there is water in the charging port).

Note:

- The normal charging time of the included Fenix ARB-L21-5000 rechargeable Li-ion battery is approximately 3 hours from depletion to full charging.
- Recharge a stored light every four months to maintain optimum performance of the battery.
- The relatively low output is available while charging, but the charging time will be prolonged.

Intelligent Protection

The light will accumulate a lot of heat when used on Turbo output level for extended periods. When the light reaches a temperature of 65°C or above, the light will automatically step down by a few lumens until to Med to reduce temperature. When the temperature is reduced, the output will gradually return.

Note: *The above specification is the test result given by Fenix through its laboratory testing. Actual output may vary slightly according to the working environments.

Technical Parameters

ANSI/PLATO FL 1	Turbo	High	Med	Low	Strobe
Output	3000 lumens	1000 lumens	350 lumens	30 lumens	2500 lumens
Runtime	2 hours 40 minutes*	3 hours 10 minutes	8 hours 30 minutes	88 hours 10 minutes	/
Distance	405 meters	230 meters	137 meters	45 meters	/
Intensity	40,567 candela	13,256 candela	4,687 candela	507 candela	/
Impact Resistance	1 meter				
Waterproof	IP68, 2 meters underwater				

Note: The above specifications are the test results given by Fenix through its laboratory testing using the Fenix ARB-L21-5000 21700 rechargeable Li-ion battery under the temperature 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.

Low-voltage Warning

When the voltage level drops below the preset level, the flashlight is programmed to downshift to a lower brightness level until Low output is reached. When this happens in Low output mode, the indicator next to the charging port will flash red to remind you to recharge or replace the battery. To ensure normal use, the flashlight will not turn off automatically and will work till the battery runs out completely.

Note: This only works with Fenix ARB-L21 Series 21700 rechargeable Li-ion battery.

Usage and Maintenance

- Disassembling the sealed head can cause damage to the light and will void the warranty.
- Fenix recommends using an 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.
- Li-ion battery needs to be charged even if the battery is not exhausted, charge immediately when the battery is exhausted, it has no memory effect.
- Unscrew the tail cap half a turn or take out 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 ring with an approved spare.

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- 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 battery needs replacing.
 - Replace battery (Ensure battery is inserted according to the manufacturer's specifications).
 - 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.

Included

PD40R V2.0 flashlight, ARB-L21-5000 rechargeable Li-ion battery, USB Type-C charging cable, Lanyard, Holster, Spare O-ring, User manual, Warranty card

Warning

- This 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.
- This flashlight will accumulate a lot of heat when used for extended periods, resulting in high temperature of the flashlight shell. Pay attention to safe use to avoid scalding.