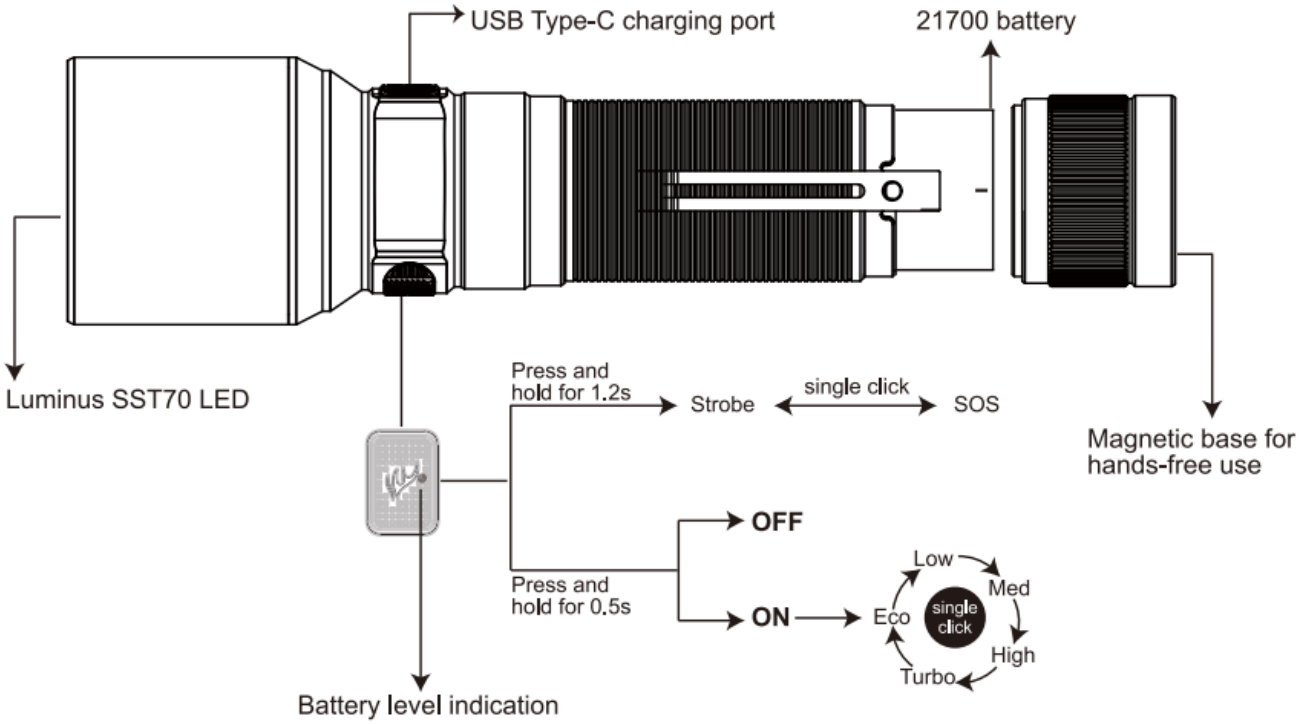
FENIX C7 High-Performance Rechargeable Flashlight Instruction Manual

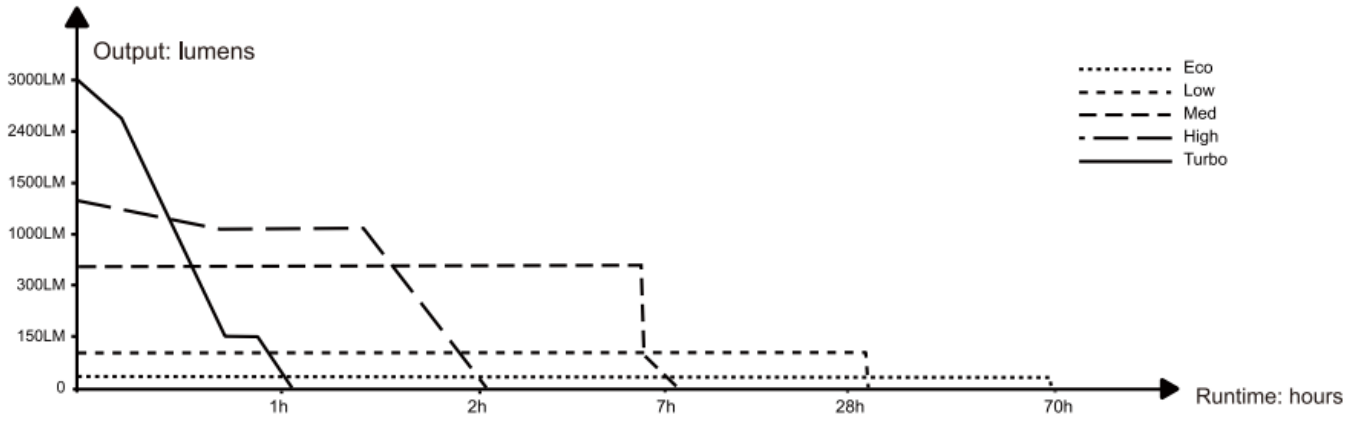
FENIX
LIGHTING FOR EXTREMES

C7

HIGH-PERFORMANCE RECHARGEABLE FLASHLIGHT

	3000 LUMENS MAXIMUM OUTPUT
	470 METERS MAXIMUM BEAM DISTANCE





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FENIX C7 FLASHLIGHT

- 3000 lumens maximum output, 470 meters maximum beam distance.
- A Luminus SST70 LED with a lifespan of 50,000 hours.
- Included a 5000mAh rechargeable Li-ion battery.
- On/off, output selection with the side switch.
- USB Type-C rechargeable, 3 hours for full charging.
- Magnetic base for hands-free use.
- Battery level indication.
- Made of durable A6061-T6 aluminum.
- Premium type HAIII hard-anodized anti-abrasive finish.
- Size: 5.87″ x 1.57″ x 1.06″ / 149 x 40 x 27 mm.
- Weight: 6.07 oz / 172 g (excluding battery).

OPERATING INSTRUCTIONS

On/Off
With the light switched off, press and hold the side switch for 0.5 seconds to enter general mode. With the light switched on, press and hold the side switch for 1.2 seconds to enter flash mode. With the light switched on, press and hold the side switch for 0.5 seconds to turn off the light.
Mode Switching
With the light switched on, press and hold the side switch for 1.2 seconds to switch between general mode and flash mode.
Output Selection
In general, mode, single-click the side switch to cycle through Eco → Low → Med → High → Turbo. In flash mode, single-click the side switch cycle through Strobe → SOS.
Intelligent Memory Circuit
The light memorizes the last selected output on general mode. When turned on again the previously used output will be recalled. Each time the light will enter strobe when flash mode is selected.
Lock/Unlock
Lock: with the light switched off, double click the switch within 0.5 seconds to lock the light, the light will blink twice on Eco to indicate locked status. Unlock: with the light locked, double click the switch within 0.5 seconds, the light will be unlocked and activated on Eco. *In locked status, clicking or pressing the switch will activate 2 one-second blinks on Eco to indicate locked status.

TECHNICAL PARAMETERS

ANSI/PLATO FL1	GENERAL MODE					FLASH MODE	
	Turbo	**High**	**Med**	**Low**	**Eco**	**Strobe**	SOS
OUTPUT	3000 lumens	1400 lumens	400 Burhans	100 lumens	30 lumens	3000 lumens	100 lumens
RUNTIME	1 hour*	2 hours	7 hours	29 hours	68 hours	/	/
DISTANCE	470 meters	300 meters	160 meters	80 meters	45 meters	/	/
INTENSITY	55200 candela	22500 candela	6400 candela	1600 candela	520 candela	/	/
IMPACT RESISTANCE	1 meter						
SUBMERSIBLE	IP68						

Note: According to the ANSI/PLATO FL1 standard, the above specifications are from the results produced by Fenix through its laboratory testing using one Fenix ARB-L21-5000 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 a total of runtime including output at reduced levels due to temperature or protection mechanism in the design

BATTERY SPECIFICATIONS

Type	**Dimension**	**Nominal Voltage**	**Usability**	
Fenix ARB-L21 Series	21700	3.6V/3.7V	Recommended	√√
Rechargeable Battery (Li-ion)	21700	3.6V/3.7V	Caution	!

* 21700 Li-ion batteries are powerful cells designed for commercial applications and must be treated with caution and handled with care. Only using 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 and insert the battery with the anode side (+) towards the light head, then screw the tail cap back on.

CHARGING

- Reveal the USB Type-C charging port 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 normal charging time is approximately 3 hours from depletion to full charging with the light switches off. When charging, the flashlight can be normally used on Eco mode, but the charging time will be prolonged.
- The indicator will display red while charging and will turn green when fully charged.
- Once charging is completed, be sure to replace the USB cap to maintain the dustproof and waterproof ability.

* The charging input is 5V/2A, and the adapter and mobile power bank of this specification can be used to charge the flashlight. *Recharge a stored headlamp every four months to maintain optimal Li-ion battery performance.

BATTERY LEVEL INDICATION

With the light switched off, single click the switch to check the battery status, the indicator will last for 3 seconds.
Greenlight 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 the Fenix ARB-L21-5000 battery.

INTELLIGENT OVERHEAT PROTECTION

The light will accumulate a lot of heat when used at a relatively high mode for extended periods. When the light reaches a temperature of 60°C or above, the light will automatically step down a few lumens to reduce the temperature. When the temperature drops below 60°C, it will then allow the user to reselection the mode.

INTELLIGENT PROTECTION

Intelligent Downshift
When the voltage level drops below the preset level, the flashlight is programmed to downshift to a lower brightness level until Eco mode is reached.
Low-voltage Warning
When the voltage remains low in Eco mode, the light blinks three times every five minutes to remind you to timely recharge or replace the battery. Note: This only works with the Fenix ARB-L21-5000 battery.

USAGE AND MAINTENANCE

- Disassembling the sealed head can cause damage to the light and will void the warranty.
- Fenix recommends using only a high-quality protected battery.
- If the light will not be used for an extended period, remove the battery for proper storage.
- Lock the light or remove the battery to prevent accidental activation during storage or transportation.
- Long-term use can result in 0-ring wear. To maintain a proper water seal, replace the ring with an approved spare.
- Periodic cleaning of the battery contacts improves the light's performance as dirty contacts may cause the light to flicker, shine intermittently or even fail to illuminate for the following reasons:

  A: Poor battery level. Solution: Recharge battery.

  B: The contact or contact point of the battery or flashlight is 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

Fenix C7 flashlight, ARB-L21-5000 rechargeable Li-ion battery, USB Type-C charging cable, Lanyard, Spare 0-ring, User manual, Warranty card

⚠ WARNING

- The flashlight is a high-intensity lighting device capable of causing eye damage to the user or others. Avoid shining the light directly into anyone’s eyes.
- This flashlight will accumulate a lot of heat when used for extended periods, resulting in a high temperature of the flashlight shell. Pay attention to safe use to avoid scalding.
- Do not shine an object at close range, to avoid burning the object or causing danger due to high temperature.
- The LED of this flashlight is not designed to be replaceable; so the entire light should be replaced when the LED reaches the end of its life. Olf any of the information provided in this manual is changed, the new version of the manual shall prevail; if your included user manual is an old one, it acquiesces that we won’t send a new manual.

LIGHTING FOR EXTREMES

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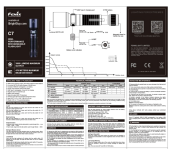
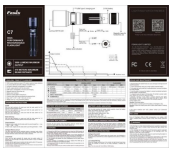
FENIXLIGHT LIMITED
Tel: +86-755-29631163/83/93
Fax: +86-755-29631181
E-mail: info@fenixlight.com
Web: www.fenixlight.com
Address: 2F/3F, West of Building A, Xinghong Technology Park, 111 Shuiku Road, Fenghuanggang Community, Xixiang Street, Baoan District, Shenzhen City, Guangdong Province, China

61.149.221.026-A1-20210802

Documents / Resources

	FENIX C7 High-Performance Rechargeable Flashlight [pdf] Instruction Manual C7, High-Performance Rechargeable Flashlight, C7 High-Performance Rechargeable Flashlight, Flashlight C7
	FENIX C7 High-Performance Rechargeable Flashlight [pdf] Instruction Manual C7, High-Performance Rechargeable Flashlight, C7 High-Performance Rechargeable Flashlight
	FENIX C7 High Performance Rechargeable Flashlight [pdf] User Manual C7 High Performance Rechargeable Flashlight, C7, High Performance Rechargeable Flashlight , Performance Rechargeable Flashlight, Rechargeable Flashlight, Flashlight

References

- BrightGuy Flashlights, Headlamps, Work Lights, Police Flashlights

Manuals+,