

FENIX
LIGHTING FOR EXTREMES



LD30

ULTRA-COMPACT OUTDOOR FLASHLIGHT WITH HIGH OUTPUT

1600 lumens maximum output
205 meters maximum beam distance

(English) Fenix LD30 Flashlight

- Powered by a 18650 rechargeable Li-ion battery, two CR123A Lithium batteries can be used for emergency.
- 1600 maximum lumens output and 205 meters beam distance.
- High-performance reliable outdoor flashlight with small size and light weight.
- Boot-up battery level indication and low-voltage warning.
- Instant power activation with momentary tactical tail switch.
- On/off and simple output selection with side switch.
- Intelligent overheat protection against high surface temperature.
- Low-voltage warning reminds when battery replacement needed.
- Ultra-thin optical lens with coating process.
- Reverse polarity protection, to protect from improper battery insertion.
- Two-way body clip for versatile attachment.
- Made of durable high-strength and oxidation-resistance aluminum
- Premium type HAIII hard-anodized anti-abrasive finish.
- Size: 4.29" x 1.0" x 0.85" / 109 x 25.4 x 21.5 mm
- Weight: 2.08 oz / 59 g (excluding battery)

Operating Instruction

On/off and lock/unlock ①

Press the tactical tail switch to turn on and lock the flashlight, release it the light will be turned off and unlocked.

Output Selection ②

With the light switched on, single click the side switch to cycle through Eco→Low→Med→High→Turbo.

Strobe and SOS

With the light switched on, press and hold the side switch for 0.8 seconds to enter strobe, single click the side switch to cycle through Strobe→SOS, press and hold the side switch for 0.8 seconds once again to return back to the previously used output level.

Boot-up Battery Level Indication ③

Each time the light is turned on, the battery level indicator in the middle of the switch will automatically display the battery status for 3 seconds.

Green constant on: 100% - 85%, saturated

Green flashes: 85% - 50%, sufficient

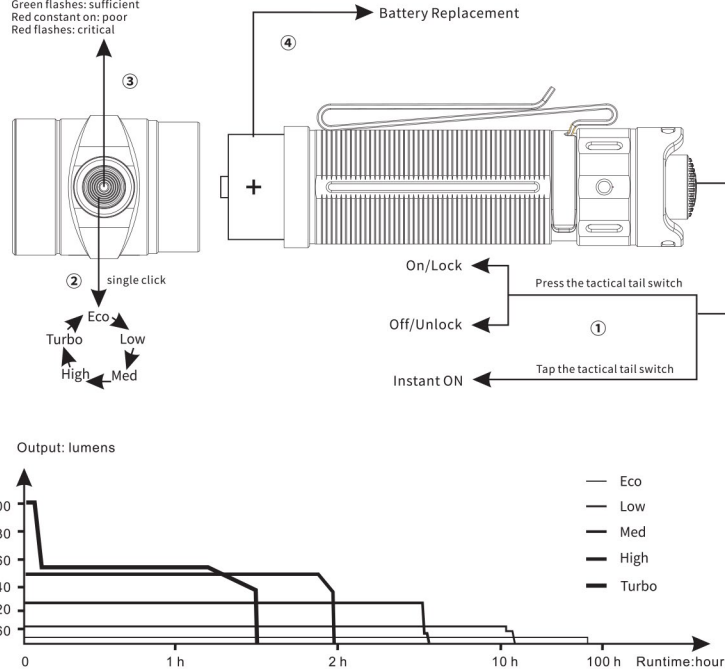
Red constant on: 50% - 25%, poor

Red flashes: 25% - 1%, critical

Note: This only works with Fenix ARB-L18 Series 18650 rechargeable Li-ion battery.

Battery Level Indication

Green constant on: saturated
Green flashes: sufficient
Red constant on: poor
Red flashes: critical



Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Fenix ARB-L18 Series	18650	3.6V	Recommended	✓/✓
Non-rechargeable Battery (LiThium)	CR123A	3V	Usable	✓
Rechargeable Battery (Li-ion)	18650	3.6V/3.7V	Caution*	!
Rechargeable Battery (Li-ion)	16340	3.6V/3.7V	Banned	✗
Rechargeable Battery (LiFePO4)	18650	3.2V	Banned	✗

Fenix ARB-L18-3500U 18650 rechargeable Li-ion battery is recommended for maintaining perfect lighting performance.

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

*18650/16340Li-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.

Battery Replacement ④

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

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 battery level indicator blinks red to remind you to recharge the battery. To ensure normal use, the flashlight will not turn off automatically and will work till the battery level runs out.

Note: This only works with Fenix 18650 Li-ion battery.

Intelligent Downshift

Time-limited Downshift

After 5 minutes of maintenance, the brightness of the flashlight decreases by about 30 lumens every 6 seconds, and until to about 1200 lumens.

Overheat Protection

1. With the light switched on High output level, and the temperature is detected $\geq 55^{\circ}\text{C}$. The brightness of the flashlight decreases by about 30 lumens every 6 seconds, and until to about 400 lumens. If the temperature is detected $\geq 55^{\circ}\text{C}$, the brightness of the flashlight increases by about 30 lumens every 6 seconds, and until to about 800 lumens. After the brightness downshifting, High output can be reselected.

2. With the light switched on Turbo output level, and the temperature is detected $\geq 55^{\circ}\text{C}$. The brightness of the flashlight decreases by about 30 lumens every 6 seconds, and until to about 400 lumens. If the temperature is

Technical Parameters

ANSI/PLATO FL1	Turbo	High	Med	Low	Eco	Strobe	SOS
Output	1600 lumens	800 Lumens	350 lumens	150 lumens	30 lumens	1600 lumens	30 lumens
Runtime	1 hour 30 minutes*	1 hour 55 minutes	5 hours 30 minutes	17 hours 30 minutes	70 hours 30 minutes	/	/
Distance	205 meters	150 meters	95 meters	60 meters	25 meters	/	/
Intensity	10302 candela	5798 candela	2151 candela	950 candela	192 candela	/	/
Impact Resistance	1 meter						
Waterproof	IP68, 2meters underwater						

Note: The above specifications are the test results given by Fenix through its laboratory testing using the Fenix ARB-L18-3500 18650 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 batteries used. *The Turbo output is measured in total of runtime including output at reduced levels due to temperature or protection mechanism in the design.

detected $\geq 55^{\circ}\text{C}$, the brightness of the flashlight increases by about 30 lumens every 6 seconds, and until to about 1200 lumens. If the temperature exceeds 55°C in the first 5 minutes, the brightness will drop directly to 800 lumens. After the brightness downshifting, Turbo output can be reselected.

Voltage Downshift

When the voltage level drops below 3V, the flashlight is programmed to downshift to a lower brightness level until Eco output is reached. (After the downshifting, other output levels can be selected by single clicking the side switch, but if the battery voltage is still detected below 3V, the downshifting will begin after 1 second.)

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.
- Unscrew the tail cap half a turn or take out the battery to prevent accidental activation during storage or transportation. Recharge a stored battery every four months to maintain optimal battery performance.
- 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:

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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 contact your authorized distributor.

Included

LD30 flashlight, Two-way body clip, Lanyard, Holster, Spare O-ring, Reminder tag, 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.