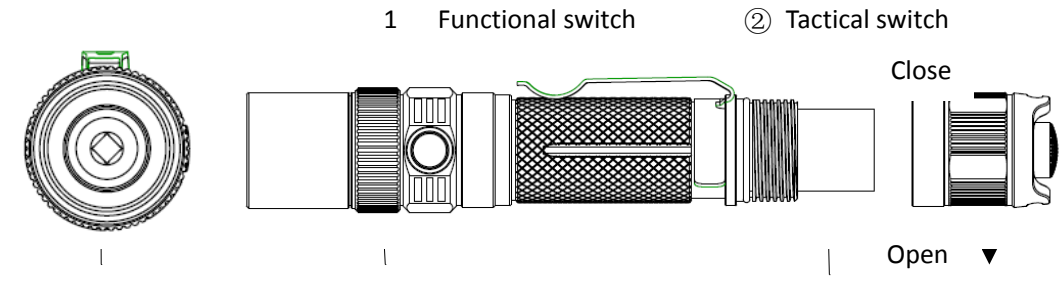
Fenix FD30 Flashlight



Technical Parameters

ANSI/PLATO FL1		General Mode					Strobe
		Turbo	High	Med	Low	Eco	
Output		900 Lumens	350 Lumens	150 Lumens	50 Lumens	8 Lumens	900 Lumens
Runtime		2h*	4h30min	11h	40h 30min	170h	/
Distance	Spotlight	200m	117m	77m	44m	17m	/
	Floodlight	67m	43m	28m	16m	8m	/
Intensity	Spotlight	10,000cd	3,400cd	1,500cd	500cd	70cd	/
	Floodlight	1,100cd	460cd	200cd	65cd	15cd	/
Impact Resistance		1m					
Waterproof		IP68, underwater 2m					
Accessories		Lanyard, holster, spare O-ring, spare rubber switch boot, body clip					

Notice: The above-mentioned parameters (lab-tested by using Fenix 3.6V/3500mAh 18650 rechargeable Li-ion battery) may vary between flashlights, batteries and environment.

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

- Uses Cree XP-L HI LED with a lifespan of 50,000 hours
- Powered by one 18650 rechargeable Li-ion battery or two CR123A batteries
- 140.5mm Length x 23mm Body Diameter x 25.4mm Head Diameter
- 96 grams (excluding battery)
- Dual reflector optical system
- 360°rotary focusing technology
- Digitally regulated output maintains constant brightness
- Reverse polarity protection, to protect from improper battery insertion
- Intelligent overheat protection to avoid high surface temperature
- Tactical tail switch for momentary on and constant activation
- Functional side switch for output selection
- Made of durable aircraft-grade aluminum
- Premium type Ⅲ hard-anodized anti-abrasive finish

Operation Instruction

The tail cap switch is the tactical switch, and the side button switch is the functional switch.

①ON/OFF

Tap the tactical switch to turn on the light momentarily, release it and the light will go out.
Click the tactical switch to turn on the light constantly, click once again to switch off the light.

②Output Selection

With the light on, by single clicking the functional switch continually, the light will cycle through Turbo→Eco→Low→Med→High.

Strobe

With the light on, press and hold the functional switch for 0.5 seconds to activate Strobe; with another single click the light will return to previously used General brightness level.

③Spotlight and Floodlight Adjustment

The factory default will be total floodlight. Rotate the focusing ring to regulate the dual reflector, thus changing between spotlight and floodlight.

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.

Intelligent Overheat Protection

The light will accumulate a lot of heat when Turbo output level is repeatedly selected for extended periods. If the light reaches a temperature of 65℃, it will automatically downshift to

High output level. Turbo can be reselected if needed, but service life could be shortened or the flashlight could be damaged permanently.

Low-voltage Downshift Function
When the voltage level drops below the preset level, the flashlight is programmed to downshift to lower brightness levels until Low output is reached. When Low output mode is reached, the flashlight blinks three times every five minutes to remind you to charge the light or replace the battery. To ensure normal use, the flashlight will not turn off and will work until the battery is completely discharged.

Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Fenix ARB-L18 Series	18650	3.6V/3.7V	Recommended	√√
Fenix ARB-L2 Series	18650	3.6V/3.7V	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	Caution*	!
Rechargeable Battery ($LiFePO_4$)	18650	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.

④Battery 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.

- Continuous usage at Turbo brightness level in hot or poor heat dissipation environments may cause activation of overheat protection, or light beam trembling. To maintain normal usage, lower brightness level to cool down the flashlight.
- 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.