



TK75

Max 4000 Lumens

User Manual

Fenix TK75 Flashlight

Astonishing combination of 4000-lumen maximum output, and more than 11 days maximum runtime, Fenix TK75 is surely versatile and all-powerful to satisfy various lighting demands such as searching, securing, caving and more.

Its dual body switch offers user-friendly output selection of 4 brightness levels and 2 momentary-on modes, meanwhile lockout design avoids the possibility of misoperation of the flashlight. Additionally, a multi-function socket for straps and tripod socket make TK75 portable and mountable, even more advantageous and reliable.

- ✘ Uses 4 Cree XM-L2 (U2) LEDs with a lifespan of 50,000 hours
- ✘ Powered by 4 18650 rechargeable Li-ion batteries
- ✘ Ultra-high intensity of 4000 lumens, instant Burst and Strobe activation
- ✘ Back support system, effectively release holding fatigue
- ✘ Power display of runtime, quick lock-out function
- ✘ 185mm (length) x 52.5mm (diameter) x 87.5 (head)
- ✘ 575-gram weight (excluding batteries)
- ✘ Digitally regulated output maintains constant brightness
- ✘ Low-voltage reminder indicates when battery replacement is needed
- ✘ Reverse polarity protection, to protect from improper battery installation
- ✘ Dual button switch system in the front for simple and fast operation
- ✘ Made of durable aircraft-grade aluminum
- ✘ Premium Type III hard-anodized anti-abrasive finish
- ✘ Toughened ultra-clear glass lens with anti-reflective coating

Battery Replacement

Unscrew the tail cap to take out the battery holder, and then insert four batteries with the negative terminal towards the spring. After loading the batteries into the holder, insert the holder with its top spring towards LED assembly; Screw the tail cap on with all of the threads in proper alignment.

Technical Parameters

ANSI/NEMA FL1	General Mode				Burst	Strobe
	Turbo	High	Mid	Low		
OUTPUT	4000 Lumens	1600 Lumens	600 Lumens	35 Lumens	4000 Lumens	4000 Lumens
RUNTIME	1h 40min*	3h 40min	11h 20min	270h	/	/
DISTANCE	650m (Max)					
INTENSITY	105600cd (Max)					
IMPACT RESISTANT	1m					
WATERPROOF	IPX-8, underwater 2m					
ACCESSORIES	Shoulder strap, lanyard, 2 spare O-rings					

Notice: The above-mentioned parameters (lab-tested by using 4 Fenix ARB-L2-3400 18650 rechargeable batteries) are approximate and may vary between flashlights, batteries and environments.

*Due to the over-heat protection, the runtime of the Turbo brightness level is the accumulated time.

Operation

Auxiliary switch: controls instant Burst and Strobe mode

Master switch: controls general modes and brightness selections.

ON/OFF

Long press the master switch for 0.5 seconds to turn the flashlight ON/OFF.

Output Selection

With the light on, slightly press the master switch to cycle through Low→Mid→High→Turbo.

Instant Burst

A single press on auxiliary switch can reach the Burst mode, and one more press will return back to the previous status (except on Turbo mode and in power display).

Instant Strobe

In any status (except power display), long press on auxiliary switch for 0.5 seconds to enter into Strobe mode, another press will return back to the former status (When the Strobe mode comes after the Burst mode, a single press on auxiliary switch will let the flashlight return to turbo level, then mode shifting or power off can be realized via master switch)

Intelligent Memory Circuit

The flashlight will memorize the last brightness level used in the general mode the next time it is turned on.

Battery Level Indicator

When the light is off, double press on master switch to enter power display state, four LEDs will shine in dim brightness or flash, to show the battery power level conditions. A single press on master switch or 0.8 seconds without operation the light will automatically power off.

All four shine: sufficient power level

Two shine, two flash: high power level

Two shine, two off: low power level

Two off, two flash: critical power level

*The battery level indicator only works precisely on four 18650 Li-ion rechargeable batteries.

Lock-out Function

Lock: Simultaneously press the two switches for 3 seconds (when the light is unlocked), the light will flash at mid brightness level twice then go out, then the light is locked and power off. When the light is locked, a single press on any switch, the light will flash at mid brightness level twice to remind it's under locked.

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

Over-heat Protection

The light will accumulate a lot of heat when it is working at high lumen output levels. When the light is overheated up to 65 °C or above, the flashlight will automatically adjust the output to prevent the light from overheating.

Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Fenix ARB-L2 Series	18650	3.6V/3.7V	Recommended	✓
Non-rechargeable Battery (Lithium)	CR123A	3V	Usable	✓
Rechargeable Battery (Li-ion)	16340	3.7V	Banned	✘
Rechargeable Battery (Li-ion)	18650	3.7V	Cautious*	!
Rechargeable Battery (LiFePO ₄)	16340	3.2V	Banned	✘
Rechargeable Battery (LiFePO ₄)	18650	3.2V	Usable	✓

Warning: Please 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 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.

Usage and Maintenance

- ✘ Please don't disassemble the sealed head, doing so can cause damage to the flashlight and will void the warranty.
- ✘ We recommend using excellent quality battery. If the flashlight will not be used for an extended period, remove the battery, or the flashlight could be damaged by electrolyte leakage or battery explosion.
- ✘ To accidental activation during storage or transport, please make use of the switch locking function according to switch lock and unlock operation directives.
- ✘ The circuit is programmed with a low-voltage protection function. If low voltage is detected, it will enter into a lower brightness level until to low brightness level. To ensure normal use, the flashlight will not turn off automatically and will work until the batteries run out completely.
- ✘ When absolutely necessary, the flashlight can be powered by two 18650 rechargeable Li-ion batteries. (Please be noted that runtime will be shorter and battery life will likely be reduced). Unscrew the tail cap to take out the battery holder and insert the batteries into the adjacent battery compartment in opposite directions (which can form a battery circuit) with the negative terminal toward the spring. Replace the battery holder and screw the tail cap back on.
- ✘ When absolutely necessary, the flashlight can be powered by four CR123A batteries. Unscrew the tail cap to take out the battery holder and insert the batteries into the adjacent battery compartment in opposite directions (which can form a battery circuit) with the negative terminal toward the spring. Replace the battery holder and screw the tail cap back on.
- ✘ The runtime of this flashlight can be extended with the addition of each runtime-extended kit. Runtime will be doubled with each kit addition but brightness levels will not be altered.
- ✘ The flashlight suitcase accommodates optional 4 ARB-L2 18650 rechargeable Li-ion batteries and an ARE-C1 charging kit (including

a battery charger, a DC vehicle connecting cable along with an AC power cable).

✘ 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 flashlight's performance as dirty contacts may cause the flashlight to flicker, shine intermittently or even fail to illuminate for the following reasons:
Reason A: The batteries need replacing.

Solution: Replace batteries (Please confirm the correct installation of anode and cathode).

Reason B: The threads, PCB board contact or other contacts are dirty.

Solution: Clean the contact points with a cotton swab soaked in rubbing alcohol.

Reason C: The battery protection board is in a protective state and unable to free from it.

Solution: Take out the battery holder and replace it again, or replace the batteries.

If the above methods don't work, please refer to the warranty policy before contacting your authorized distributor.

Notice: The routine cleaning video can be watched and downloaded through Fenix official website, please log onto the service channel->"maintenance for light".

Product Warranty

We will replace products with manufacturing defects within 15 days of purchase and repair a light free of charge within 5 years of purchase if problems develop with normal use; if repair is required after 5 years from the date of purchase, we will charge for parts. The total repair fee is dictated by the cost of the replaced materials.

Product Registration

We kindly suggest that you register your product on the official website Fenixlight Limited (www.fenixlight.com). You can get an extra six-month warranty period once you have successfully registered. By participating in an optional customer survey, you are entered in a drawing for free Fenix products.

Warning

The flashlight is a high-intensity lighting device capable of causing eye damage. Avoid shining the light directly into anyone's eyes.

Available Accessories

TK75 Extended Runtime Kit