

# TK75 Flashlight

With the Fenix TK75, four 18650 rechargeable cells are stunningly transformed into 2600-lumen max output. Throwing 606m with an 80-degree plus beam angle lets the TK75 light up extended terrain.

On high at 1100 lumens, this compact Fenix flashlight pushes for four hours while the 400-lumen level stays the course at 12 hours runtime. The stainless crown, strobe and SOS functionality as well as the on-body dual switch system make the TK75 a trustworthy carry on search, caving and scouting missions. Mounted on a vehicle or stowed for emergency use, this light captures the proven performance found in every Fenix lighting product.

## Technical Parameters

ANSI/NEMA FL1	General Mode				Strobe	SOS
	Turbo	High	Mid	Low		
 OUTPUT	2600 Lumens	1100 Lumens	400 Lumens	18 Lumens	2600 Lumens	400 Lumens
 RUNTIME	1h 15min*	4h	12h	200h		
 DISTANCE	606m (Max)					
 INTENSITY	92000cd (Max)					
 IMPACT RESISTANT	1m					
 WATERPROOF	IPX-8, underwater 2m					
EXTRA FUNCTION						
ACCESSORIES	Lanyard and two spare O-rings					

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

\*TK75 will automatically enter into the high brightness level from the turbo brightness level after a 20-minute working time with the security setting. As a result, the runtime of the turbo brightness level is the accumulated time.

©Uses Cree XM-L(U2) LED with a lifespan of 50000 hours

©Uses four 18650 rechargeable Li-ion batteries

□ 185mm (Length) x 52.5mm (Diameter) x 87.5mm (Head)

- © 510-gram weight (excluding batteries)
- © Digitally regulated output - maintains constant brightness
- © Low-voltage warning function to alert users to replace the batteries
- © Reverse polarity protection guards against improper battery installation
- © Dual button switch system in the front for quick switching
- © Made of durable aircraft-grade aluminum
- © Premium Type III hard-anodized anti-abrasive finish
- © Toughened ultra-clear glass lens with anti-reflective coating

## Operation Instruction

Two buttons control the TK75's operation. The right side button with a power source mark is for ON/OFF. The left side button with a recycling mark controls MODES & BRIGHTNESS LEVELS.

A single press on the power switch turns the TK75 on or off.

With the flashlight on, a single press on the mode switch switches the light between the Turbo → Low → Mid → High → brightness levels;

To enter into the strobe mode, press and hold the side mode switch for about one second. It will flash between 6Hz and 15Hz every two seconds.

To enter into SOS mode, press and hold the side mode switch for about three seconds.

While in strobe or SOS mode, a single press on the side mode switch returns the TK75 to non-flashing mode where brightness can be adjusted.

Whether it is on or off, the light will enter into strobe or SOS mode if the mode switch is pressed and held.

With advanced circuitry, the TK75 will remember the last-used brightness level (not flashing modes) the next time it is turned on.

Overheating protection:

As with any high-output LED flashlight, the TK75 builds up heat when operated at Turbo brightness for extended periods. For your safety, the light will downshift to High after 20 minutes in Turbo. Return to Turbo using the mode switch.

Note: The video for TK75 operation can be viewed and downloaded from the Fenix website by clicking to SERVICE followed by LIGHT OPERATION VIDEO.

## Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Fenix ARB-L2	18650	3.6V	Recommended	√
Non-rechargeable Battery (Lithium)	CR123A	3V	Banned	×
Rechargeable Battery (Li-ion)	16340	3.7V	Banned	×
Rechargeable Battery (Li-ion)	18650	3.7V	Cautious*	!
Rechargeable Battery	16340	3.2V	Banned	×

(LiFePO <sub>4</sub> )				
Rechargeable Battery (LiFePO <sub>4</sub> )	18650	3.2V	Usable	√

Warning: Please do not mix batteries of different brands, size, capacity or type. 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.

### **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.

### **Usage and Maintenance**

© Please don't disassemble the sealed head as doing so can cause damage to the flashlight and will void the warranty.

© We recommend the use of high quality batteries. If the flashlight is not to be used for an extended period, remove the batteries or the flashlight could be damaged by electrolyte leakage or battery explosion.

© Unscrew the tail cap one-half turn or take out the battery to prevent accidental activation during storage or transport.

□ The circuit is programmed with a low-voltage protection function. If low voltage is detected, it will enter into a lower brightness level. If low voltage is detected in the Low brightness level, it will blink three times a second every 5 minutes. To ensure normal use, TK75 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. Note that runtimes 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 of the opposite direction (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 or eight CR123A batteries. In this case, the TK75 will run at a low brightness level and the mode switch will be disabled.

Unscrew the tail cap to take out the battery holder and insert the batteries with the negative terminal toward the spring (when using four batteries, insert the batteries into the adjacent battery compartment of the opposite direction to form a battery circuit). Replace the battery holder and screw the tail cap back on.

© The TK75's runtime can be extended with the addition of body tube segments and battery holders. Runtime will double with each segment-holder 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).

©The O-ring may be worn out after using for a long time. If this happens, please replace the O-ring to keep the flashlight properly sealed against water.

© 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 the 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 protection 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.

Note: The video for TK75 cleaning can be viewed and downloaded from the Fenix website by clicking to SERVICE followed by MAINTENANCE FOR LIGHT.

### **Product Warranty**

We will replace products afflicted with manufacturing defects within 15 days of purchase and repair a light free of charge within 24 months of purchase if problems develop with normal use; if repair is required after 24 months 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 for Fenixlight Limited ([www.fenixlight.com](http://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**

TK75 is a high-intensity lighting device capable of causing eye damage. Avoid shining the light directly into anyone's eyes.