Fenix TK76 Flashlight

The Fenix TK76 Flashlight utilizes three separate LEDs to offer a broad range of illumination options and power display function. Output up to 2800 lumens creates intense area lighting combined with long reach. Ideal for group leaders needing high output and multiple beam patterns, the Fenix TK76 is a powerful addition to a team's onsite lighting tools with instant turbo, strobe and SOS.

Technical Parameters

ANSI/NEMA FL1	General Mode								Strobe	SOS
	Single Head				Three Heads					
	Turbo	High	Mid	Low	Turbo	High	Mid	Low		
☀ OUTPUT	933 Lumens	350 Lumens	135 Lumens	7Lumens	2800 Lumens	1100 Lumens	420 Lumens	20Lumens	2800 Lumens	420Lumens
🕐 RUNTIME	3h 30min	11h 30min	33h	200h	1h 10min	4h	11h	66h		
◀ DISTANCE	450 m (Max)									
◉ INTENSITY	50800 cd (Max)									
✔ IMPACT RESISTANT	1m									
〰 WATERPROOF	IPX-8 underwater 2m									
EXTRA FUNCTION										
ACCESSORIES	Lanyard and two spare O-rings									

Notice:
1. The above-mentioned parameters (lab-tested by Fenix using ARB-L2 18650 rechargeable Li-ion batteries with the intelligent thermal control off) are approximate and may vary between flashlights, batteries and environments.
2. Since the lighting effect varies among the three LEDs of the three individual heads, the output and the runtime of a single head may vary and the parameters shown above reflect average values.
3. The flashlight has various intelligent protection functions (e.g. intelligent thermal control), therefore, the runtime in the table is the accumulated time without the protection functions, and

the actual runtime will be longer.

◎Uses two Cree XM-L2 (U2) LEDs and one Cree XM-L2 T6 neutral white LED with a lifespan of 50000 hours
◎222mm (Length) x 55mm (Diameter) x 100mm (Head length) x77mm (Head Width)
◎ 800-gram weight (excluding batteries)
◎ Digitally regulated output - maintains constant brightness
◎ Reverse polarity protection guards against improper battery installation
◎ Intelligent thermal control to protect the flashlight against over-heat
◎Tri-color displays indicate the running level and the remaining power with low-power warning
◎ Anti-roll and slip-resistant body design
◎ Independently–controlled lighting heads permit easy and fast operation
◎ Instant Turbo activation for immediate illumination
◎ Made of durable aircraft-grade aluminum
◎ Premium Type III hard-anodized anti-abrasive finish
◎ Toughened ultra-clear glass lens with anti-reflective coating and quality PC lens

Operation Instruction

Instant Turbo switch
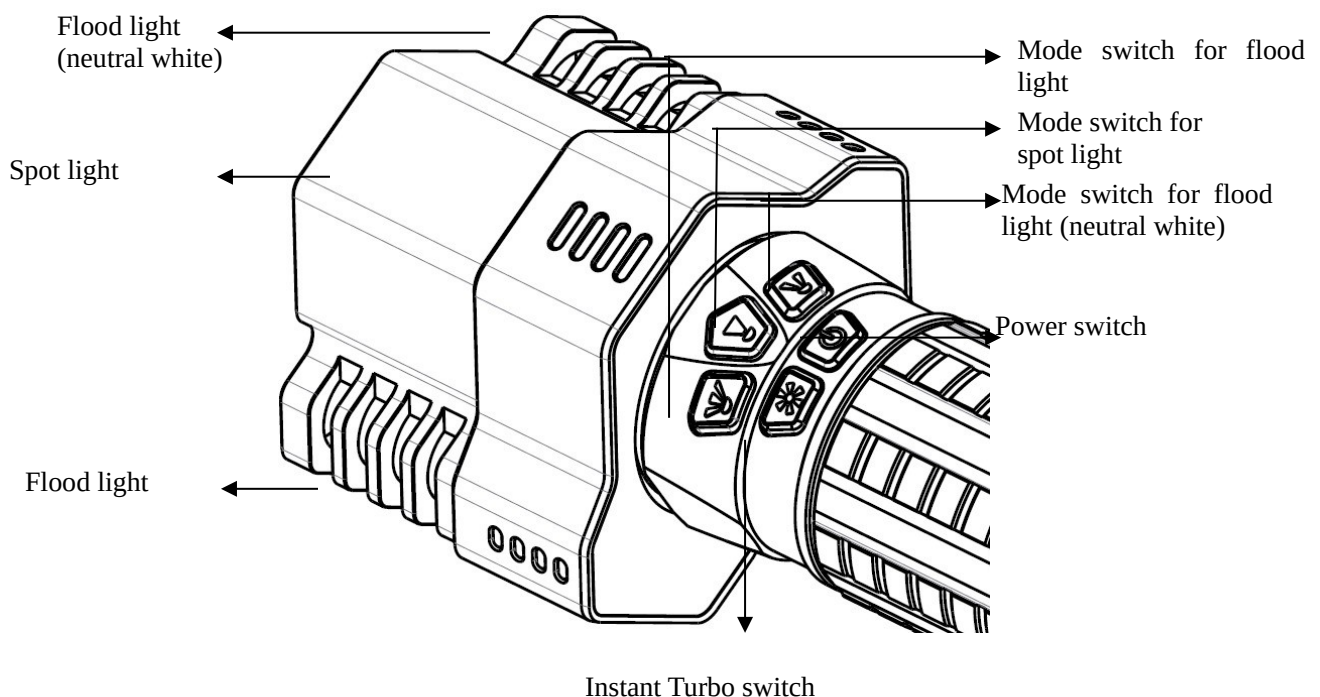
There are four indicators behind each lighting head. When the light is working normally in the general mode, the indicators will be blue. The number of the indicators illuminated shows the head's current brightness up to a maximum of four.

There are five buttons on the neck of the flashlight. The upper three mode switches control the three individual heads for flood light, spot light and flood light (neutral white) from left to right respectively. The lower yellow button on the left with a sun mark is the Instant Turbo mode switch, while the red button on the right with a power source mark is the power switch.

On/Off
1. To turn on /off the three individual heads, press and hold the related mode switch button;
2. A single press on the power switch button will turn off all the lighting heads whether one or

more lighting heads is on; another single press will turn on all of them.
Change brightness level
With the lighting head on, a single press on the related mode switch button switches the light between Turbo → Low → Mid → High → brightness levels.
Strobe and SOS
1. For Strobe mode, press and hold the power switch button for 1 second, and the three lighting heads will flash between 6Hz and 15Hz every two seconds.
2. For SOS mode, press and hold the power switch button for 3 seconds; the three heads will flash by the SOS signal.
Under the condition of Strobe or SOS, a single press on the power switch can return the flashlight to the general mode.

Instant Turbo mode
Press the Instant Turbo mode switch button to enter into Turbo mode. The three individual heads will run at the highest levels with the remaining power. Release the switch, the flashlight will return to the former brightness level. Press and hold the switch for over 5 seconds and it will continue to run at Turbo output until a single press on the Instant Turbo mode switch button or any other mode switch button returns it to the last-used brightness level. A single press on the power switch button will turn off the flashlight.

Power indicators
Double press the middle mode switch button for the searching head and the indicator light will turn purple while the other two indicators will be off. In this case, the flashlight enters into the power display state and it will automatically return to the normal working condition after 3 seconds. Under the power display condition, the flashlight will continue to run at the current output level and the switch buttons can work normally. However, the power indicators will be off when pressing the switch buttons.

With advanced circuitry, the TK76 will remember the last-used brightness level of each lighting head (not flashing modes) the next time it is turned on.
Whether it is on or off, the light will enter into strobe or SOS mode if the power switch is pressed and held or it will enter into the Turbo mode with a press on the Turbo mode switch.

Intelligent over-heat protection
As with any high-output LED flashlight, the TK76 builds up heat when operated at higher brightness levels for extended periods. For your safety, the light will downshift to avoid overheat. When the temperature is lower, it will automatically reset to the current brightness level in full power; a single press on the Turbo mode switch will allow the flashlight to continue to work in full power.

Intelligent low-power warning
The circuit is programmed with a low-voltage protection function. If low voltage is detected, the indicators will turn red and the foremost indicator will blink to indicate that the power will not support the light to continue to run at the current brightness level. If the voltage is too low, the light will automatically downshift to a lower brightness level and the indicator will turn blue again. If low voltage is detected in the Low brightness level, it will turn solid red and then blink to remind you of battery replacement. To ensure normal use, TK76 will not turn off automatically and will work until the batteries run out completely.

Intelligent low-power protection

1. Before turning on the flashlight, if the remaining power cannot support the flashlight in the last memorized level, the flashlight will light up at the lower output level instead of the last-used one to ensure the flashlight can be successfully activated.

2. When using Instant Turbo, the flashlight will enter into the highest output level that the power can support. If the remaining power can not support the three lighting heads to run at Turbo output simultaneously, then the running output may be lower than the previous level.

Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Fenix ARB-L2	18650	3.7V	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 (LiFePO$_4$)	16340	3.2V	Banned	×
Rechargeable Battery (LiFePO$_4$)	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.

◎ When absolutely necessary, the flashlight can be powered by two 18650 rechargeable Li-ion batteries or 4/8 CR123A batteries. 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.

Note that in this case, the three lighting heads may not run at Turbo output simultaneously, runtimes will be shorter and battery life will likely be reduced.

◎The Fenix TK76's runtime can be significantly extended with the addition of AER-TK75 extended runtime kit. Runtime will double with AER-TK75 addition but brightness levels will not be altered.

◎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 TK76 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). 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

TK76 is a high-intensity lighting device capable of causing eye damage. Avoid shining the light directly into anyone's eyes.

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