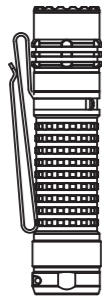




User Manual



TK18 COPPER

Features

- Multiple LED choices maximum versatility.
 - 3 x SAMSUNG LH351D LED output 3,000 lumens.
 - 3 x OSRAM KW CSLNM1.TG LED throw 286 meters.
 - 3 x Nichia 219C LED CR1290 color rendering.
- Use Raw Copper alloy as body material.
- Powered by 1 x 18650 or 2 x CR123 batteries.
- Strobe setting that can disorient an attacker or serve as a distress signal.
- Low battery voltage warning with flickering.
- Highly efficient constant current circuit design (Non-PWM).
- Intelligent temperature controller is used to adjust brightness and prevent overheating.
- Highly integrated tail switch for all easy operation.
- TIR (Total Internal Reflection) optic facilitates efficient light transmission with a broadbeam and a generous throw.
- Knurling and polishing finish provide a secure grip.
- Double directional gold plated clip and compact size for easy carry.

Specifications

Dimensions: 105mm (Length) x 25.5mm (Head Diameter) x 23mm (Tube Diameter)
Weight: 124.5g w/o battery

Accessories

1x Removable double directional clip; 2x O-Rings; 1x Rubber button cap; 1x User manual;
1x Warranty card; 1x Battery warning card

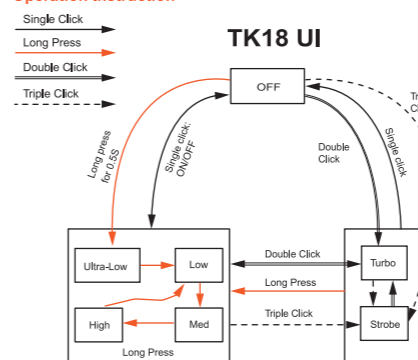
Technical Parameter

SAMSUNG LH351D 18650 (3100mAh)	FL1 STANDARD						
	Turbo	High	Mid	Low	Ultra-Low	Strobe	
POWER		3000 lumens	1000 lumens	200 lumens	80 lumens	3 lumens	1100 lumens
		1h 30min	2h	7h 15min	22h	12days	2h 15min
		156m	95m	41m	24m	5m	
ECO		6,110cd	2,250cd	430cd	150cd	7cd	
		1h 30min	1h 45min	6h	17h	9days	2h
		111m	72m	41m	24m	5m	
CR123 (1600mAh) <td></td> <td>3,080cd</td> <td>1,300cd</td> <td>430cd</td> <td>150cd</td> <td>7cd</td> <td></td>		3,080cd	1,300cd	430cd	150cd	7cd	
		1h 45min	2h	7h 15min	22h	12days	2h 15min
		95m	72m	41m	24m	5m	
ECO		2,250cd	1,300cd	430cd	150cd	7cd	

OSRAM KW CSLNM1.TG 18650 (3100mAh)	FL1 STANDARD						
	Turbo	High	Mid	Low	Ultra-Low	Strobe	
POWER		1900 lumens	810 lumens	170 lumens	80 lumens	3 lumens	810 lumens
		1h 30min	1h 45min	7h 15min	22h	12days	2h 15min
		286m	184m	85m	57m	11m	
ECO		20,500cd	8,500cd	1,800cd	810cd	30cd	
		1h 45min	2h	7h 15min	22h	12days	2h 15min
		184m	134m	85m	57m	11m	
CR123 (1600mAh) <td></td> <td>1060 lumens</td> <td>430 lumens</td> <td>170 lumens</td> <td>80 lumens</td> <td>3 lumens</td> <td>810 lumens</td>		1060 lumens	430 lumens	170 lumens	80 lumens	3 lumens	810 lumens
		1h 30min	2h	6h	17h	9days	2h
		212m	134m	85m	57m	11m	
ECO		11,200cd	4,510cd	1,800cd	810cd	30cd	
		1h 45min	2h	7h 15min	22h	12days	2h 15min
		191m	125m	55m	35m	7m	
NICHIA 219C CR1290 18650 (3100mAh) <td></td> <td>1650 lumens</td> <td>700 lumens</td> <td>130 lumens</td> <td>50 lumens</td> <td>2.4 lumens</td> <td>700 lumens</td>		1650 lumens	700 lumens	130 lumens	50 lumens	2.4 lumens	700 lumens
		1h 45min	2h	7h 15min	22h	12days	2h 15min
		9,160cd	3,900cd	750cd	300cd	13cd	
ECO		700 lumens	370 lumens	130 lumens	50 lumens	2.4 lumens	700 lumens
		1h 45min	2h	7h 15min	22h	12days	2h 15min
		125m	95m	55m	35m	7m	
CR123 (1600mAh) <td></td> <td>880 lumens</td> <td>370 lumens</td> <td>130 lumens</td> <td>50 lumens</td> <td>2.4 lumens</td> <td>700 lumens</td>		880 lumens	370 lumens	130 lumens	50 lumens	2.4 lumens	700 lumens
		1h 30min	1h 45min	6h	17h	9days	2h
		141m	95m	55m	35m	7m	
ECO		5,000cd	2,250cd	750cd	300cd	13cd	

Notes: The above-mentioned parameters (tested with 1x ACEBEAM 18650 3100mAh battery/2x CR123 1600mAh batteries) are approximate and may vary from flashlight, batteries, and environments.
The POWER mode will be operational only when powered by 18650 battery, which is above 10A current.
The Turbo output is measured in total of runtime including output at step-down levels due to temperature regulation or protection mechanism.

Operation Instruction



Single Click:

Single click for ON/OFF.

Long Press:

1. When the light is OFF, long press for 0.5 seconds to activate Ultra-Low;
 2. When the light is ON, long press to cycle from Low→Med→High; loosen then at the selected level (3 levels can be memorized).

Double Click:

Double click to activate Turbo, and double click again goes to the memorized mode; Every double click to cycle between Turbo and the memorized mode.

Triple Click:

Strobe.

Lock&Unlock

1. When the light is OFF, long press for 5 seconds to Lock the light after 3 times' Ultra-Low flickering.
 2. When the light is Locked, long press for 5 seconds, the light will be Unlocked with 3 times' flickering and goes to Ultra-Low.

TK18 has two modes:

POWER mode and ECO mode. Exchange between POWER and ECO: When the TK18 is Locked and powered by current above 10A 18650 battery, if the light beam changes from dark to bright and goes out after continuous 10 times' click, it means the light will go to POWER mode after being Unlocked; otherwise, the light will go to ECO mode.

Low-Voltage Warning:

With the flashlight ON, it will step-down to Low mode and blink 3 times per 5 seconds when the 18650 battery Voltage is down to 3.1V. (CR123 battery voltage is down to 2.1V).

Warning

- TK18 is a high intensity lighting device and is capable of causing eye damage. Avoid shining the light directly into the eyes to humans or animals.
- In order to achieve POWER mode, the TK18 must be installed with 1x18650 high drain battery which produce at least 10 Amps of current.
- Applications must be treated with caution and handled with care.
- Quality batteries with circuit protection will reduce the potential risk. We recommend using ACEBEAM ARC18650H-310A 18650 batteries.
- When the TK18 is stored in a backpack or unused for extended period, it is suggested to take out the batteries to cut off the power entirely to prevent the accidental activation of the flashlight.

Usage and Maintenance

- Do not disassemble the sealed head as doing so may cause damage to the flashlight and will void the warranty.
- Recommend to use ACEBEAM ARC18650H-310A Battery.
- High-power flashlights need batteries capable of high current output. We strongly recommend use rechargeable batteries for their high performance.
- Remove the battery from the flashlight if you will not be using the light for an extended period.
- Replace the O-rings if they become stretched or damaged. Regularly lubricate the O-rings.
- Clean the contacts of your light periodically.

There may be several reasons for a flickering or malfunctioning light.
Reason 1: The batteries need to be recharged or replaced.
Solution: Recharge or replace batteries.
Reason 2: The PCB board contact or battery contacts are dirty.
Solution: Clean the contact points with an alcohol soaked cotton swab.
 If the above methods do not solve the issue, please contact your distributor and refer to the warranty policy.

Product Warranty

Acebeam guarantees the flashlight against defects in material and workmanship. Flashlight products that are found to be defective under normal use within 5 years of the period of purchase date will be repaired or replaced without charge. This warranty does not cover damage caused by accident, unreasonable use or product alteration. Failure to follow the general maintenance directions could result in damage to your flashlight that may not be covered by Acebeam warranty. Should this flashlight be proved defective, the product will be repaired or replaced under the above terms. Please contact Acebeam or your original Acebeam dealer for warranty return instructions.

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