







Fenix™ TK45

Fenix TK45 utilizes the most advanced lighting technology to throw an amazing 760 lumens beam, which is much brighter than a 10W HID light, and comparable to a car headlight. This performance is exceptional in a middle sized flashlight, designed to meet the high brightness requirement for searching, caving and many other outdoor activities. With its outstanding performance and compact size compared to a traditional 2D flashlight, it is a perfect combination of high performance and comfortable use.

With four output levels, max 29 nights runtime and versatile flashing modes, TK45 meets most requirements for lighting, and makes a compelling flashlight for the outdoor adventurer, off-road trail, etc.

Technical Parameters

ANSI/FSC	General Mode				Flashing Mode		
	Turbo	High	Mid	Low	Strobe	SOS	Warning Flashing
 OUTPUT	760 LUMENS	312 LUMENS	95 LUMENS	8 LUMENS	760 LUMENS	95 LUMENS	95 LUMENS
 RUNTIME	2h	6h 30min	22h	232h			
 DISTANCE	200m						
 INTENSITY	10000cd						
 IMPACT RESISTANT	1m						
 WATERPROOF	IPX-8, underwater 2m						
ACCESSORIES	Lanyard and spare o-ring						

- © Cree XP-G LED (R5) with a lifespan of 50,000 hours
- © Uses eight 1.5V AA (Ni-MH, Alkaline) batteries
- © 202mm (Length) x 39.2mm (Diameter) x 56mm (light head)
- © 324-gram weight (excluding batteries)
- © Digitally regulated output maintains constant brightness

- ◎ Reverse polarity protection guards against improper battery installation
- ◎ Dual switch in the front, fast and simple operation
- ◎ Made of durable aircraft-grade aluminum
- ◎ Premium Type III hard-anodized anti-abrasive finish
- ◎ Toughened ultra-clear glass lens with anti-reflective coating

Notice: The above-mentioned parameters (lab-tested with 2500mAh Lithium battery) are approximate and may vary between flashlights, batteries and environments.

Operation Instruction

The right button with a power source mark is a power switch button and the left button with a recycling symbol is a mode switch button.

A single press on the power switch can turn on/off the flashlight; press it twice rapidly can change between the general mode and the flashing mode.

With the flashlight on, a single press on the mode switch button allows mode selection;

In the general mode, a single press on the mode switch button allows switching between Turbo→Low→Mid→High→brightness levels;

In the flashing mode, a single press on the mode switch button allows switching between Strobe→SOS→Warning flashing;

TK45 memorizes the brightness level and the different flashing functions after working continually above 2 seconds except the mode. When turned off and then on, the flashlight automatically enters the general (non-flashing) mode.

Battery Specifications

Type	Dimensions	Nominal voltage	Usability	
Ni-MH battery	AA	1.2V	Recommended	√
Alkaline battery	AA	1.5V	Usable	√
Rechargeable Battery (Li-ion)	14500	3.7V	Banned *	×
Rechargeable Battery (LifePO4)	14500	3.2V	Banned *	×

* Please do not use the banned batteries, or it will causes damages to the flashlight.

Warning: please do not mix o using batteries of other manufacture, capacity, size or type. Doing so will cause damages to the batteries or flashlights.

Battery Replacement

Unscrew the tail cap to take out the battery magazine (Eight AA batteries divided into four individual packs of two), insert the batteries with the negative terminal towards the spring. After loading the batteries into the magazine, insert the magazine with its top spring towards LED assembly; screw the tail cap to test.

Usage and Maintenance

- ◎ To avoid slow battery discharge; Unscrew the head of the flashlight a half turn if you don't use the flashlight for several days.
- ◎ Please don't disassemble the sealed head as doing so can cause damage to the flashlight and will void the warranty.

© To get the most from this TK45, Fenix recommends using high-performance Ni-MH rechargeable batteries. Alkaline batteries will reduce runtimes significantly.

© High-quality batteries are essential and must be removed when the flashlight will not be used for an extended period of time. As with other performance electronics, TK45 can be damaged by battery leakage and the potential for battery explosion.

© 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 TK45 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.

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

Product Warranty

We will replace products with documented 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.

Warranty Card Registration

We kindly suggest that you register your guarantee card on the official website of Fenixlight Limited. You'll receive an extra six months of warranty coverage once you have successfully registered. By participating in an optional customer survey, you are entered in a drawing for free Fenix products.

Warning

TK45 is a high-intensity lighting device and capable of causing eye damage to the user or others so please avoid shining the light directly into anyone's eyes.

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TK45 Flashlight

Fenix TK45 运用多种最先进的照明技术，亮度高达令人惊叹的 760 流明，超过 10 瓦功率的 HID 灯，可比单个汽车主灯，是中型手电装备中的奇迹，主要用于高亮度要求的户外搜索、探洞、汽车备用灯等。拥有如此卓越的性能，TK45 的体积却小于大多数传统 2D 手电，把优秀的性能和使用感受完美地结合在一起。

不仅如此，TK45 还是一个很好的多面手，具备 4 档亮度，最长约 29 个夜晚的续航时间，以及多种闪烁和信号模式，适用于多种情况下的照明，是户外探险队、越野车队等必备的全能尖兵。

技术参数

ANSI/FSC	照明模式				闪烁模式		
	极亮档	高亮档	中亮档	低亮档	爆闪档	求救档	警示档
 亮度	760 流明	312 流明	95 流明	8 流明	760 流明	95 流明	95 流明
 续航时间	2 小时	6 小时 30 分	22 小时	232 小时			
 最大射程	200 米						
 最大光强	10000 坎德拉						
 防跌落高度	1 米						
 防水等级	IPX-8，水下 2 米						
附加功能							
附件	手绳、备用防水圈						

- ◎ 使用 Cree XP-G R5 LED，寿命 50000 小时
- ◎ 使用 8 节 1.5V AA (镍氢，碱性) 电池
- ◎ 202 毫米 (长) x 39.2 毫米(直径) x 56 毫米(筒头)
- ◎ 324 克的重量 (不含电池)
- ◎ 恒流电路，亮度恒定
- ◎ 防反接设计，防止电池装反对电路造成危害
- ◎ 颈部双按钮开关，操作方便快捷

- ◎ 采用航空铝材制造
- ◎ 表面进行了军规三级硬质阳极氧化的抗磨处理
- ◎ 使用双面增透膜钢化玻璃镜片

注：上述参数只是一个近似值，以实际容量 2500mAh 的镍氢电池在实验室环境中测试所得，可能会随着手电、电池和使用环境而发生变化。

操作说明

右侧带电源标志的按钮为电源按钮，左侧带循环标志的按钮为调光按钮。

单击电源开关，可以打开/关闭手电；快速双击，可以在照明模式和闪烁模式之间切换。

手电打开时，单击调光按钮，可以切换档位：

照明模式下，单击调光按钮，即可按极亮→低亮→中亮→高亮→循环的顺序调节亮度；

闪烁模式下，单击调光按钮，即可按爆闪档→求救档→警示档→循环的顺序，在不同的闪烁信号之间切换。

手电会分别记忆持续使用 2 秒以上的照明档位和闪烁档位，但不会记忆模式。每次打开时都会以照明模式开始工作。

电池选用

电池类型	尺寸规格	标称电压	是否可用	
镍氢电池	AA	1.2V	推荐	✓
碱性电池	AA	1.5V	可用	✓
可充锂离子电池	14500	3.7V	禁止*	✗
可充磷酸铁锂电池	14500	3.2V	禁止*	✗

*使用禁止使用的电池，可能导致手电工作不正常或损坏。

警示：请不要将不同种类的电池混合使用，以免损坏电池或手电。

电池更换

旋开尾盖取出电池架，电池架可装入 4 组电池，每组 2 节，注意电池负极需对准弹簧装入。把电池装入电池架后，将电池架以顶端弹簧向灯头的方向装入筒身，旋紧尾盖即可工作。

使用与维护

- ◎ 若数天不用手电，请将尾部旋松半圈以上，以避免电池在手电中缓慢放电。
- ◎ 请勿拆卸灯具头部密封部件，否则将会导致保修失效并可能损坏灯具。
- ◎ 大功率灯具需要电池具备极佳的大电流放电能力，我们强烈推荐性能优秀的可充电镍氢电池作为灯具电源，使用碱性电池将会让灯具高亮度工作的续航时间明显减少。
- ◎ 请使用优质电池，并且当长期不用灯具时将电池从灯具中取出，否则可能因电池漏液或者爆炸，造成灯具损坏。
- ◎ 长期使用后，手电的 O 圈可能受到损坏。如果发现了这种情况，请您更换 O 圈以维持手电的防水性能。
- ◎ 请经常清洁手电的导电接触面以保证手电的正常工作，特别是当手电出现异常的闪烁或者无法点亮的时候。以下是几个可能导致手电出现异常的闪烁或者无法点亮的原因：
 - 原因一：电池电量不足，需要更换。
 - 解决方案：更换电池（装入新电池时请注意正负极方向）
 - 原因二：螺纹或者 PCB 板的导电接触面或其他接触面/接触点被弄脏了。

解决方案：用酒精棉签清洁导电接触面或接触点。

如果上述方法无效，请联系经销商并按照售后服务条款保修。

注：对手电进行日常清洁的操作录像，您可以在 Fenix 官方网站上的“客户服务”->“手电日常维护”栏目中查看或下载。

保修条款

一、15 天保换期：FENIX 产品自售出之日起 15 天内，在正常使用情况下，出现产品质量问题，客户可选择更换新品或修理服务，要求更换时，所换产品应为返修产品同型号同规格的新品；如同型号同规格的产品停止生产时，则调换不低于原产品性能的同品牌产品。

二、2 年免费保修期：FENIX 产品自售出之日起 2 年内，用户在正常使用情况下，出现产品质量问题，则享受免费维修服务。

三、终身有限保修：在超过 2 年免费保修时间外，Fenixlight Limited 公司将提供有偿保修，费用以实际更换材料费用为准，不另收取人工费用。

四、消费者保修时凭 Fenixlight Limited 《质量保证卡》、购物发票或收据或网上购物时零售商提供的号码与经销商联系，由经销商对消费者提供服务，我公司将对经销商提供服务支持。

五、Fenixlight Limited 公司建议消费者到 Fenixlight Limited 网站注册网络版的《质量保证卡》，这样消费者可以再得到 6 个月的免费保修期，即共有 2 年 6 个月的免费保修期。

警示

本手电亮度极高，请勿直视发光体，以免造成视力损伤。