

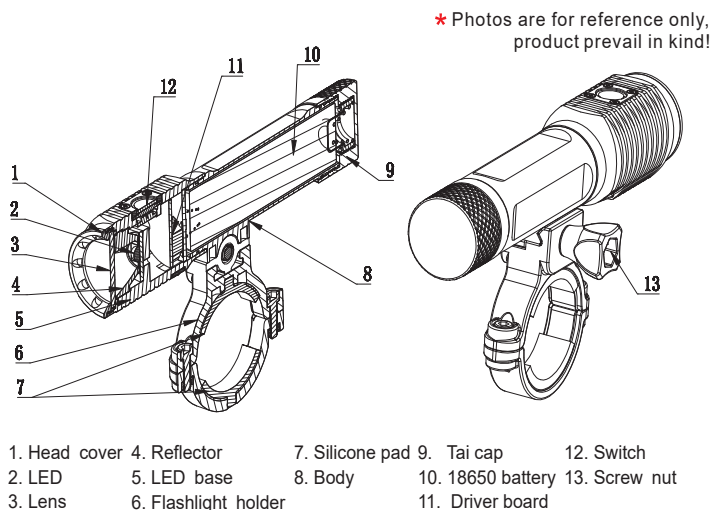
Features

1. High-power CREE LED with a lifespan of up to 100,000 hours.
2. Optical glass lens resists abrasions and scratches, also provides an effective transmittance.
3. Ferei patent moon-shape reflector provides a further distance and also spreads the nearby beam to get a wider range.
4. Aircraft-grade aluminum body, processed through CNC machine center, is tough and exquisite.
5. Surface is anodic oxidation finished.
6. Designed with toughened glass switch in the front head, beautiful and also convenient to operate.
7. Waterproof Grade: IPX4.
8. Brightness modes: Max-Med-off.
9. Can be directly recharged using Ferei special designed USB cable.
10. Using Ferei own-developed & most advanced intelligent circuit control system.
11. Humanized quick release holder, easy to assemble and disassemble.

Specifications

Type	BL511	
LED	CREE XM-L2 LED	
ANSI/FSC	Max	Med
Output(LM)	860LM	430LM
Runtime (indoor static testing at 28°C at max output)	3 hour	5 hour
Range(m)	over 164M	
Maximum intensity	6724CD	
Waterproof grade	IPX4	
Anti-drop	1M	
Dimension	26mm(Head diameter)×74.5mm×121mm(Length)	
Battery	1*18650 rechargeable li-ion	
Weight	89g(Excluding battery)	

Diagram



Usage instructions

1. Prior to using the light for the first time, the battery must be fully charged.
2. **How to recharge the battery:** Direct recharging without taking battery off: Plug the 3.5DC end of Ferei USB cable into the recharge hole at the head part of the flashlight, connect the other USB end with the USB port of computer, car charger or mobile charger. Recharging begins when the LED indicator on the USB cable showing to be red. Recharging finished when the LED indicator turns green.
3. **Battery indication:** The lamp's switch is equipped with the indicator light which blinks in accordance with the battery's state of charge as described below:
Over 30% charge: The indicator light is off;
20%~30% charge: The indicator light is Permanent on;
Below 20% charge: The indicator light is blinking and the brightness is automatically reduced to low lumens (about 50 lumens).
4. Press the switch at the head tube of the flashlight to turn it on/off.
5. **Low battery warning:** The flashlight will be automatically off when the battery capacity gets very low. This is a reminder that the battery should be recharged.
6. **Wrong polarity protection for battery:** When the battery is put in with wrong polarity, the circuit of BL511 will automatically stop working to ensure the safety of the light.

Operating Instructions



Unscrew the nut with the M3 Hexagon wrench to open the bike bracket (as showing in image 1 & 2), Put the silicone pads in the bracket (as showing in image 3)



Fix the bracket at the appropriate position of the handlebar, tighten the screw to fix the bracket. (as showing in image 4), Put the flashlight into the groove and tighten the screws in the direction of the arrow (showing in image 5), Fix the bike lights firmly on the handlebar (as showing in image 6)

Warnings & Tips

In order to avoid unnecessary accidents please read all of the following:

- 1) Never use damaged, discolored or leaking batteries.
- 2) Never use batteries with a damaged sleeve or foil covering.
- 3) Always use protected 18650 batteries from reputable suppliers with accompanying safety certificates.
- 4) If the lamp gets unusually hot when in use, turn it off and check battery appearance.
- 5) Never store batteries in the battery holder for more than 30 days at a time.
- 6) When charging is complete the AC adaptor's LED indicator will change to green.
- 7) Li-ion batteries should remain at a room temperature when charged. If they become hot, cease charging immediately, take the batteries out and contact your local Ferei distributor.
- 8) Never disassemble the BL511 switch, lamp or charger or attempt any type of self-repair.
- 9) Li-ion batteries do not need to be fully charged before use as they have no memory effect; however when left unused for periods of 3 months or more, they should be recharged for 4 hours and then slightly discharged (10-20 minutes on high) before storage.
- 10) Be sure to always recharge batteries in a safe place and do not leave unattended while charging.

Intelligent Temperature Control Instructions

The flashlight is designed with the Intelligent temperature control system. As we know, LED is a component which can make heat and is sensitive to the temperature, it will be damaged or its working life will be shortened by the overheat temperature, especially the powerful and brightness LED. So the Intelligent temperature control system works when the flashlight's designation and structure cannot realize the heat-radiation temperature from the high brightness LED lighting. The system controls the temperature of the LED lamp wick, obviously, the flashlight gets different Thermal Conductivity with different structure, and generally speaking, the surface temperature of the flashlight constant between 50°C to 60°C, when the flashlight runs heat, the Intelligent temperature control function will help to reduce the power to cool down the lamp wick, the brightness of the light will corresponding fell and get lower. And in comparison outdoor using with the indoor using, outdoor area using will get wind to cool it down and heat-radiation is better, the LED will crank up the power and the lights become brighter, and the process of ascension brightness will smooth and slow without flashes.

At the same time, the intelligent temperature control system will lead the run time get longer (may be the standard of twice to five times). Particularly, the run time will depend on the temperature, running speed even the wind strength, so the actually run time will be a little different according to the environment of the flashlight using.

Maintenance

1. Using a soft cloth clean the glass lens periodically to keep an efficient penetration (never use corrosive cleanser).
2. Thread: Lubricate the tail cap thread aperiodically with silicon grease to keep it smooth.
3. O-rings, switch rubber and recharging hole cap: Replace the damaged O-rings, switch rubbers and caps in time.
4. Always remove batteries during long periods of inactivity.

Note: Never clean or touch the inside of the reflector. Do not use other lubrication oil that may damage the silicone O-rings.

Warning

- It is a lighting tool, not a toy. Keep it away from children.
- Should not be aimed directly at the eyes of humans or animals.
- Do not place the light face / lens down when turned on.
- The surface of the flashlight may become hot during extended use.
- Do not dismantle or disassemble any structural parts of the light, especially the seal parts.
- Dry the light surface with soft cloth immediately after exposure to water or any corrosive substance.
- Always remove batteries during long periods of inactivity.
- Ferei reserves the right of interpretation of this manual.

☆☆☆ patented product, counterfeiting not allowed ☆☆☆

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