

FEATURES

- 1 Anti-glare twin-head super-bright LED bicycle headlights.
- 2 Full body and handlebar brackets are made of solid and aerospace-grade aluminum alloy CNC .
- 3 Whole aluminum parts of lights are anodized, so the lights are more durable.
- 4 The new quick release clamps design, no tools needed to quickly install and remove the light from bicycle handlebars.
- 5 Using the United States CREE's XM-L2 LED as a light source, the service life of the lights are up to 100,000 hours.
- 6 Toughened ultra-clear glass lens provides maximum light transmittance.
- 7 Patented half-moon shape aluminum alloy reflectors which treated by special coating process. Arched part reflects the beam right ahead to reach a further distance; Crescent part prevents the beam reflecting upwards so to avoid disturbing people and vehicles across, and also spreads the nearby beam to get a wider range.
- 8 Rain-resistant construction of lights which is no need to worry to use at inclement weather • Intelligent and thermostat circuit, effectively reduce the weakening of LED, so lights life is longer.
- 9 High efficiency, light up to 1720 lumens.
- 10 Lights are equipped with three red indicator lights which warns the battery pack's state of charge as described below:
 - Over 80% charge: 3 indicator light on.
 - 50% - 80% charge: 2 indicator light on.
 - 20% - 50% charge: 1 indicator light on.
 - Below 20% charge: 1 indicator light on and continuous blinking without pause.
- 11 Lights' external plug cable can be connected to any 7.4V to 8.4V power supply.
- 12 There are two kinds of quick release clamps for the lights to optional: Available for 31.8 mm conventional diameter handlebar and the other one is 35 mm large diameter handlebar.

USAGE INSTRUCTIONS

- 1 Prior to using the BL200XQII for the first time the battery pack must be fully charged. While charging, the LED indicator light on the AC power adaptor will illuminate red. Once the battery is fully charged the LED indicator will change to green. The battery pack can take up to 6 hours to reach 100% charge if fully depleted. Alternatively the battery may be charged for 2 hours for an 80% charge or 3 hours for a 90% charge. While the battery pack can be used in any state of charge above the 5.8v cut-off, when not used for extended periods it should be charged for 4 hours every 3 months.
- 2 After each 3 monthly charge, it is also recommended that the light be used on high for 10-20 minutes to condition the battery pack before storing.
- 3 The BL200XQII is equipped with three indicator lights which blinks in accordance with the battery pack's state of charge as described below:
 - Over 80% charge: 3 indicator lights on.
 - 50%-80% charge: 2 indicator lights on.
 - 20%-50% charge: 1 indicator light on.
 - Below 20% charge: 1 indicator light on and continuous blinking without pause.
- 4 When the battery pack's voltage reduce to 5.8v the protection circuit will activate and turn the unit off automatically. When this occurs the unit should be recharged. Be sure to always recharge the battery pack in a safe place and do not leave unattended while charging.
- 5 To turn the unit on, briefly depress the small glass switch on the face of the top panel. The default setting is high mode (1720 lumens).
- 6 To access user-defined mode, simply press the switch in high mode.

SPECIFICATIONS

TYPE		BL200XQ II											
LED		CREE XM-L2 (COOL WHITE)											
ANSI/FSC	MAX	USER-DEFINED								STROBE			
		100%	10%	20%	30%	40%	50%	60%	70%	80%	POLICE	SLOW	FAST
LIGHT PER	100%	10%	20%	30%	40%	50%	60%	70%	80%	USER-DEFINED			
OUTPUT (LM)	1720	172	344	516	688	860	1032	1204	1376	USER-DEFINED			
RANGE	270 METERS												
RUNTIME	3.5 HOURS*												
MAXIMUM INTENSITY	42000 CD												
WATERPROOF GRADE	IPX4												
ANTI-DROP	1 M												
DIMENSION (MM)	75.2 x 86 x 34 (LxWxH, without bracket)												
BATTERY	BP4872B LITHIUM-ION BATTERY PACK												
WEIGHT	192 G (EXCLUDING BATTERY)												
OPTIONAL BATTERY	BP6872B LITHIUM-ION BATTERY PACK (RUNTIME 7 HOURS*)												

*INDOOR STATIC TESTING AT 28°C AT MAX OUTPUT

7 To adjust user-defined mode, with the light turned on, hold the power button down for 2 seconds and release. The light will blink rapidly to indicate user-defined mode has been accessed and then begin ramping up and down in brightness. When a desired brightness is displayed press the button once again to memorize this setting in user-defined mode.

8 The BL200XQII has a hidden strobe mode with 4 selectable strobe patterns. To access the strobe mode simply hold down the power button for 2 seconds with the unit turned off and release. To cycle to the next strobe pattern once again hold for 2 seconds and release. To exit strobe mode press the button once.

Note: The BL200XQII's brightness mode are as follows: Turn on/max > User-defined mode > Off > Strobe 1,2,3,4 > Off.

DIAGRAM

*PHOTOS ARE FOR REFERENCE ONLY. PRODUCTS IN KIND PREVAIL



INSTALLATION INSTRUCTIONS

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- 1 Loosen the small buckle of quick-release clamps from the bracket of light.
- 2 Move the quick-release clamps out of bracket of light.
- 3 Select an appropriate rubber gasket (1 mm, 2.5 mm, 3.5 mm, or 4.1 mm in thickness) and insert the rubber gasket to the innerside of the holder of the clamp.
- 4 Fasten the holder of the clamp to the desired position on the handlebars of the bicycle.
- 5 Lock it in place by pressing the small fastener on the clamp, attaching it to the handlebars of the bicycle.
- 6 Whoe light are mount tighten on handlebar of the bicycle .
- 7 Thread the Velcro tape ,nylon strips through both sides of the battery pack and tightly secure.
- 8 Tie the cables along with the frame.



INTELLIGENT TEMPERATURE CONTROL AND RUNTIME INSTRUCTIONS

This product is designed with a temperature control circuit. The LED is a heating device that is sensitive to temperatures, especially high levels of power and brightness. High temperatures will easily damage or shorten the life of the LED. Ferei designs its products with an intelligent temperature-control circuit. It measures the temperature within the LED filament. As the structure of the lamp differs, the thermal conductivity of the entire lamp is not the same. In general, the constant surface temperature of the lamp is 50°C to 60°C. When it exceeds its programmed temperature, it will automatically reduce its power to cool down, and the brightness decreases by small steps. After cooling-down (provided that battery voltage is sufficient) the power with brightness increases again. The process of improving its brightness is relatively discrete and will not produce a flashing effect. This stepping goes cyclically to maintain the user's safety and the light's functionality. In conditions of good air-cooling the lamp delivers light without stepping down even in high levels brightness mode. There are no preset timers for stepping, but real-time active temperature measurements, so the actual runtime of the lamp base on active temperature control to faster or slower battery discharge, may be slightly longer or shorter runtime than the lamp of data provided.

MAINTENANCE

- Periodically clean the glass lens of dust and debris to ensure maximum brightness. Use a soft clean cloth or an eyeglass cleaner if possible to avoid scratching the glass.
- Keep water, dirt, sand and debris out of the cable connections and light body.
- Unplug the battery pack from the light when not in use to help extend battery life.
- When riding in damp weather dry off the light and battery immediately after use.

WARNINGS

- Do not shine the bicycle light directly into anyone's eyes.
- Aim the beam down when riding on the road to avoid blinding oncoming vehicles.
- The lens and front area of the light can get hot while in use. Avoid touching these areas.
- Do not dismantle the light or the battery pack, this will break the waterproof seal and void warranty.
- The BL200XQII's power source is a 7.4v lithium-ion battery pack coupled with a protection circuit board. Should the battery pack ever fail to charge or cease normal operation be sure to contact your local Ferei dealer and under no circumstances attempt self-repair.
- Ferei reserves the right of interpretation of this manual.

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