



## USER MANUAL



# BC21R DUAL DISTANCE BEAM

Rechargeable Bike Light

Max 880 Lumens

### Features

- Uses one Cree XM-L2 T6 emerald white LED with better color rendition
- Powered by one 18650 rechargeable Li-ion battery or two CR123A Lithium batteries
- Optimized Dual Distance Beam System
- More USB direct charging
- Built-in over-charge, over-discharge protection
- Battery Level Indicator
- Low power warning sounds when battery replacement needed
- Over-heat protection to avoid high temperatures of the surface
- New type quick-release bike mount for easy and secure adjustment of the light direction
- Four brightness levels and one flashing mode
- Digitally regulated output maintains constant brightness
- Made of aluminum alloy with excellent heat dissipation design
- Waterproof to IPX8 standard

### Components Included



BC21R bike light, Fenix 18650-CJ-2300 rechargeable Li-ion battery, BC21R bike mount, USB charging cable, Bike mounting strap, Bike mounting strap, Spare O-ring, User manual, Warranty card

### Technical Parameters

	General Mode				
	Turbo	High	Mid	Low	Flash
Output	880 lumens	340 lumens	200 lumens	100 lumens	300 (2.4s) & 300 (1.2s)
Runtime	~1h 20min	4h 30min	8h 30min	15h 50min	-
Max Distance	125m				
Water Resistance	IPX-8				
Weight	Headlight: 67g(2.4oz) excluding battery				
Max Input Voltage	5V				
Input Resistance	1m (Max)				
Dimensions	Headlight: 115mm length x 40mm width x 42mm height (4.5" x 1.6" x 1.7")				

Notes:

1. The High mode will run for 20 minutes and 100 lumens standby.
2. The Low light is included with mid-light light, 7 active scheduled automatically by default. The mid-light light will continue on as the main light or flashing mode when main light flashes.
3. See above mentioned performance table. Please refer to Fenix user manual Fenix 18650-CJ-2300 18650 rechargeable Li-ion battery for appropriate and/or any further information. Please refer to Fenix user manual Fenix 18650-CJ-2300 18650 rechargeable Li-ion battery for appropriate and/or any further information. The active light can be longer when use 18650 battery of high capacity.

### Operation Instruction

#### ON/OFF

Press and hold the light button for 0.5 seconds to turn ON/OFF the light.

#### Output Selection

With the light on, click the light button to cycle through Low→Mid→High→Turbo→Flash.

Note:

1. In any high performance light, the side light (built as last when you for an extended period) intelligent circuitry in the side light dimmable the light to low brightness level to guard against overheating.
2. The side light using the low brightness level.
3. When the battery power level is critical, light brightness levels can not be adjusted. The side light is programmed to cycle through these brightness levels.

### Battery Level Indicator

With the light off, single-click the light button, the side light will indicate the battery power level categories, and then go out after 5 seconds.

1. Side light constant-on (sufficient power level): 80%-100%
2. Side light slow flashing (low power level): 30%-60%
3. Side light quick flashing (critical power level): 1%-20%

### Low Power Warning and Intelligent Output Downshift

**Low Power Warning:** With the light on, when the battery level is lower than 20%, the light button will blink red constantly. In normal use it downshift to a lower brightness level to extend runtime or recharge the bike light.

**Intelligent Output Downshift:** If non-stop use is needed, the light will downshift to a lower output level to extend runtime. When it downshifts to the flashing mode, the bike light will go out soon. Please stop using and recharge the battery or the bike light.

### Charging

**Operation Points:** Remove the anti-dust plug of the bottom of the bike light to reveal the charging port, and plug the Mount USB end of the USB cable into the light's charging port. Then connect the other end of the USB cable to a USB power adapter.

**Charging Indicator:** The indicator light in the bike light blinks green to indicate the charging process has begun. The indicator light turns solid green when the battery is fully charged.

- Note:
1. Using the bike light while charging will not recommended to risk, but it will not stop if a safety emergency situation that lower light operation and the light will shut off.
  2. Once charging is completed, disconnect the USB cable from the light and plug it back to avoid the anti-dust plug cover.
  3. Please do not connect any power adapter with output over 1.2A. It takes about 2 hours to fully charge the bike light. The bike light can be connected to the USB cable for night visibility such as remote control with wireless Bluetooth emergency light.

### Battery Replacement

Unscrew the battery cover counter-clockwise. Insert the battery with the anode side (+) toward the light head. Fit the battery cover back on and screw it clockwise to secure it.



### Battery Specifications

Type	Capacity	Nominal Voltage	Usability
Fenix 18650-CJ-2300	2300mAh	3.7V	Recommended
Non-rechargeable Battery 3.6V/1.5V	CR123A	3V	Usable
Rechargeable Battery 3.6V	1800mAh	3.2V	Not used
Rechargeable Battery 3.6V	1800mAh	3.2V	Not used
Rechargeable Battery 3.6V/1.5V	1800mAh	3.2V	Not used
Rechargeable Battery 3.6V/1.5V	1800mAh	3.2V	Not used

Warning:

1. Never use old batteries of different brands, size, capacity or type. Using an old battery storage in the bike light or the battery being used.
2. Do not use the bike light with the non-rated batteries. Only use those specified.
3. Never use old batteries on cover cells designed for commercial applications, and that are loaded with coolant and handled with care. Quality batteries with good protection will reduce the possibility of fire contribution in operation but still damage or short-circuiting the batteries may be serious.

### Mounting and Dismounting

**Bike Mount:** First loop the bike mounting strap (with the LDOO) around the bike mount (small spring), and place the bike mount on the handlebar with small opening in front. Then loop the other end of the bike mounting strap around the bike mount (big spring) with the LDOO around, adjust at the top of the handlebar.

**Headlight Mount:** Place the headlight on the mount with an outside "click" in front.

**Adjust the angle of the headlight:** Turn the headlight left and right. The bike mount can be rotated about 30°.

**Headlight Dismount:** Press the pinholes at the tail of the headlight, and pull back the headlight to dismount the headlight.

**Bike Mount Dismount:** Put out the bike mounting strap (with LDOO) from the bike mount (big spring).



Note: The bike light is applicable to bike handlebars with diameter between 25mm-32mm.

### Safety Tips

- The bike light is a high-intensity lighting device capable of causing eye damage. Avoid shining the light directly into the eyes.
- Avoid touching the metal parts of the bike light as LED lights accumulate heat when powered up.
- Intended to IPX-8, the bike light can be used in humid conditions but not for water immersion.
- Please keep it out of the reach of children.
- Disconnect the sealed parts may cause damage to the bike light and will void the warranty.
- Please store the bike light in cool, dry and well-ventilated areas if it will not be used for an extended period of time. And recharge the bike light if it has not been used for an extended period of time.

### Night Riding Tips

- Always ride alone.
- Never let someone know where you are.
- Wear a helmet and reflective clothing.
- Take auxiliary lights and emergency supplies.
- Make sure the headlight, bike mount and the other accessories are securely fastened.

### Product Warranty

Fenix will replace products affected with manufacturing defects within 15 days of purchase and repair a light free of charge within 5 years of purchase (battery: 1 year). If the repair for the bike light is required after 5 years from the date of purchase, we will charge for parts. The total repair fee is limited by the cost of the required materials.

### Product Registration

We kindly suggest that you register your product on the official website of Fenixlight Limited ([www.fenixlight.com](http://www.fenixlight.com)). You'll receive an extra six months of warranty coverage once you have successfully registered.