

# BC21R Bike Light

Fenix BC21R, an integrated yet versatile rechargeable bike light, delivers max 880-lumen neutral white light. The soundly reasonable four output modes plus Flash enrich the cycling activities and side red light ensures the riding safety. Moreover, quick-release bike mount makes it easier to mount or dismount the light. The feasibility to change battery gives the access to command runtime and prolong the lifespan of the bike light. This well-designed bike light goes anywhere for any activity, it commits to diversify your bike lifestyle and enhance your every ride such as road racing, bicycle riding and urban commuting.

## Technical Parameters

	General Mode				
	Turbo	High	Mid	Low	Flash
<b>OUTPUT</b>	880 Lumens	380 Lumens	200 Lumens	100 Lumens	380 Lumens & 100 Lumens
<b>RUNTIME</b>	* 1h 20min	4h 30min	8h 30min	15h 50min	
<b>DISTANCE</b> 125m□Max□					
<b>WATER RESISTANCE</b>	IPX-6				
<b>IMPACT RESISTANCE</b>	1m				
<b>NET WEIGHT</b>	Headlight: 67g(2.4oz) excluding battery				
<b>Dimensions</b>	Headlight: 113mm length x 40.5mm width x 42mm height (4.4" x 1.6" x 1.7")				
<b>Max Input Voltage</b>	5V				

### Notice:

1. The Flash mode will flash at 380 lumens and 100 lumens alternately.
2. The bike light is equipped with **red side lights**, it will be activated simultaneously by default. This side red light will be constant-on as the main light on and flashing red when main light flashes.
3. The above-mentioned parameters (lab tested by Fenix using one Fenix ARB-L2-2300 18650 rechargeable Li-ion battery) are approximate and may vary between the bike lights, batteries and environments.

\*The runtime of the Turbo brightness level is the accumulated time. The runtime can be longer when uses 18650 battery of larger capacity.

- ⊙ Uses one Cree XM-L2 T6 neutral white LED with better color rendition
- ⊙ Powered by one 18650 rechargeable Li-ion battery or two CR123A Lithium batteries
- ⊙ **Optimized** Dual Distance Beam System

- ⊙ Micro USB direct charging
- ⊙ Built-in over-charge, over-discharge protection
- ⊙ Battery Level Indication
- ⊙ Low power warning reminds when battery replacement needed
- ⊙ Over-heat protection to avoid high temperature 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 IPX-6 standard

## Included Parts

1. BC21R bike light
2. Fenix ARB-L2-2300 rechargeable Li-ion battery
3. BC21R bike mount
4. USB charging cable
5. Bike mounting shim
6. Bike mounting strap
7. Spare O-ring
8. **User manual**
9. Warranty card

## 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. As with any performance light, the bike light builds up heat when runs for an extended period. Intelligent circuitry in the bike light downshifts the light to lower brightness level to guard against overheating.
2. **The bike light retains the last-used brightness level.**
3. When the battery power level is critical, higher brightness levels can not be activated, the bike light is programmed to cycle through lower brightness levels.

### **Battery Level Indicator**

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

1. Side light constant-on (sufficient power level): 60%-100%

2. Side light **slow flashing** (low power level): 20%-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, to remind you to 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 riding and replace the battery or the bike light.

## Charging

Operation Points: Remove the anti-dust plug at the bottom of the bike light to reveal the charging port, and plug the Micro 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 adaptor.

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. Turning on the bike light under charging state is not recommended by Fenix. But it will be okay if under emergency situations, the bike light can light up Low and Mid output.
2. Once charging is completed, disconnect the USB cable from the light and be sure to secure the anti-dust plug cover.
3. Fenix recommends using a power adaptor with output over 5V 1.5A. It takes about 4 hours to fully charge the bike light.
4. The bike light can be connected to the USB cables for digital products such as mobile phones with standard Micro-USB charging port.

### Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Fenix ARB-L2 Series	18650	3.6V/3.7V	Recommended	√
Non-rechargeable Battery (Lithium)	CR123A	3V	Usable	√
Rechargeable Battery (Li-ion)	16340	3.6V/3.7V	Banned	×
Rechargeable Battery (Li-ion)	18650	3.6V/3.7V	Cautious*	□
<b>3.2VBanned</b> ×Rechargeable	16340	3.2V	Banned	×

Battery (LiFePO4)				
18650 Rechargeable Battery (LiFePO4)				

Warning: 1. Please do not mix batteries of different brands, size, capacity or type. Doing so may cause damage to the bike light or the batteries being used.  
2. Do not use the bike light to charge the banned batteries, or it may cause explosion.

\* 18650 Li-ion batteries are power cells designed for commercial applications and must be treated with caution and handled with care. Quality batteries with circuit protection will reduce the potential risk for combustion or explosion but cell damage or short circuiting are potential risks the user assumes.

## Battery Replacement

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

## Mounting and Dismounting

1. Bike Mount: First loop the bike mounting strap (without LOGO) around the bike mount (small opening), 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 opening) with the LOGO upwards, adjust as the size of the handlebar.
2. Headlight Mount: Slide the headlight into the mount until an audible "click" is heard.
3. Adjust the angle of the headlight: Twist the headlight left and right, the bike mount can be rotated about 30°.
4. Headlight Dismount: Press the plectrum at the tail of the headlight, and pull back the headlight to dismount the headlight.
5. Bike Mount Dismount: Pull out the bike mounting strap (with LOGO) from the bike mount (big opening).

**Note: The bike light is applicable in bike handlebars diameter between 20mm-35mm.**

## Safety Tips

1. The bike light is a high-intensity lighting device capable of causing eye damage. Avoid shining the light directly into the eyes.
2. Avoid touching the metal parts of the Bike light as LED lights accumulate heat when powered up.
3. Waterproof to IPX-6, the bike light can be used in humid conditions but not for water immersion.

4. Please keep it out of the reach of children.
5. Disassemble the sealed parts may cause damage to the bike light and will void the warranty.
6. 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

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

## Product Warranty

Fenix will replace products afflicted 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 dictated by the cost of the replaced materials.

## Product Registration

Fenix kindly suggests 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.

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