







Fenix BC21R V3.0 Bicycle Light

Technical Parameters

Mode	Turbo	High	Med	Low	Flash
 Output	1200 lumens	400 lumens	150 lumens	50 lumens	400 lumens
 Runtime	2.2 hours *	6.5 hours	11 hours	33 hours	\
 Distance	142 meters	80 meters	49 meters	28 meters	\
 Intensity	5082 candela	1621 candela	602 candela	206 candela	\
 Impact Resistance	1.5 meters				
 Submersible	IP68				

Note: The above specifications are from the results produced by Fenix through its laboratory testing using one Fenix ARB-L18-2600 Li-ion battery under the temperature of 21±3°C and humidity of 50% - 80%. The true performance of this product may vary according to different working environments and the actual battery used.

*The Turbo output is measured in a total of runtime including output at reduced levels due to temperature or protection mechanism in the design.

Warning

- Do place this light out of the reach of children!
- Do NOT shine the light directly into the eyes of anyone!
- Do NOT shine flammable objects at close range, to avoid burning objects or causing danger due to high temperature!
- Do NOT use the light in inappropriate ways such as biting in the mouth, to avoid personal injury or life threats when the light or internal battery fails!
- This light will accumulate a lot of heat while working, resulting in a high temperature of the flashlight shell. Pay attention to safe use to avoid scalding.
- Turn off and lock the light or remove the battery from the light to prevent accidental activation when the light is placed in a closed and flammable environment such as pockets and backpacks!
- The LED of this flashlight is not replaceable; so the whole light should be replaced when the LED reaches the end of its life.

Product Features

- 1200 lumens maximum output and 142 meters maximum beam distance.
- A Luminus SST40 LED with a lifespan of 50,000 hours.
- Included a 2600mAh/18650 Li-ion battery.
- USB Type-C charging.
- Quick-release design, two-step assembly and disassembly.
- Easy and fast operation with a single switch.
- Boot-up battery level indication and low-voltage warning.
- Made of durable A6061-T6 aluminum.
- Premium type HAIII hard-anodized anti-abrasive finish.
- Size: 4.25" x 1.14" x 1.06" / 108 x 29 x 27 mm.
- Weight: 5.54 oz / 157 g (including battery).

Operating Instruction

On/off

Press and hold the side switch for 0.5 seconds to turn on/off the light.

Output Selection

With the light switched on, single click the switch to cycle through Low→Med→High→Turbo.

Flash Mode

With the light switched on, double click the switch to enter Flash mode, single click again to exit flash mode and return to the previously used mode.

Intelligent Memory Circuit

The bicycle light memorizes the last selected output excluding Flash mode. When turned on again the previously used mode will be recalled.

Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Fenix ARB-L18 Series	18650	3.6V	Recommended	✓✓
Non-rechargeable Battery (Lithium)	CR123A	3V	Usable (no charging)	✓
Rechargeable Battery (Li-ion)	18650	3.6V	Banned	×
Rechargeable Battery (LiFePO4)	16340	3.2V	Banned	×
Rechargeable Battery (LiFePO4)	18650	3.2V	Banned	×

Warning: *18650 Li-ion batteries are powerful cells designed for commercial applications and must be treated with caution and handled with care. Only use quality batteries with circuit protection will reduce the potential for combustion or explosion; but cell damage or short circuiting are potential risks the user assumes.

Battery Replacement

Unscrew the tail cap and insert the battery following the polarity marks, then screw the cap back on.

Charging

1. Switch off the light and open the USB cap to reveal the USB Type-C charging port and plug the USB A socket of the charging cable into an electrical outlet, then connect the USB Type-C socket of the charging cable to the light.
2. The indicator will display red while charging and will turn green when fully charged.
3. Once charging is completed, be sure to tighten the USB cap to maintain the dustproof and waterproof ability.

Note:

1. The normal charging time of the included Fenix ARB-L18-2600 is approximately 2 hours from depletion to full charging.
2. Recharge a stored light every four months to maintain the optimum performance of the battery.
3. The Low/Med mode is available while charging, but the charging time will be prolonged.

Note: This only works with Fenix ARB-L18 Series 18650 rechargeable Li-ion battery.

Battery Level Indication

Single click the switch when the light is switched off, the indicator will indicate the battery level and will last for 3 seconds.

Green light on: saturated 100% - 85%

Green light flashes: sufficient 85% - 50%

Red light on: poor 50% - 25%

Red light flashes: critical 25% - 1%

Note: This only works with Fenix ARB-L18 Series 18650 rechargeable Li-ion battery.

Intelligent Overheat Protection

The light will accumulate a lot of heat when used at relatively high modes for extended periods. When the light reaches a temperature of 60°C or above, the light will automatically step down a few lumens to reduce the temperature. When the temperature drops below 60°C, it will then allow the user to reselect the modes.

Low-voltage Warning

When the voltage level drops below the preset level, the bicycle light is programmed to downshift to a lower brightness level until Low mode is reached. When this happens in Low mode, the battery level indicator constantly blinks red to remind you to recharge or replace the battery.

Note: This only works with Fenix ARB-L18 Series 18650 rechargeable Li-ion battery.

Usage and Maintenance

- Disassembling the sealed head can cause damage to the light and will void the warranty.
- Fenix recommends using only a high-quality protected battery.
- If the light will not be used for an extended period, remove the battery for proper storage.
- Unscrew the tail cap or remove the battery to prevent accidental activation during storage or transportation.
- 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 light's performance as dirty contacts may cause the light to flicker, shine intermittently or even fail to illuminate for the following reasons:

A: Poor battery level.

Solution: Recharge or replace the battery.

B: The contact or contact point of the battery or bicycle light is dirty.

Solution: Clean the contact points with a cotton swab soaked in rubbing alcohol.

If the above methods don't work, please contact your authorized distributor.

Included

Fenix BC21R V3.0 bicycle light, ARB-L18-2600 Li-ion battery, USB Type-C charging cable,
Quick-release bicycle mount, Spare O-ring, User manual, Warranty card