

(ENGLISH)CP50R Camping lantern

Technical Parameters

	Floodlight mode			Spotlight mode			Spot-and Floodlight mode		Warning mode				
	High	Med	Low	High	Med	Low	High	Low	Red constant-on	Red flash	Red chase	Yellow flash	Green constant-on
 Output	3000 lumens	1500 lumens	10 lumens	3000 lumens	1500 lumens	7 lumens	5500 lumens	20 lumens	25 lumens	25 lumens	25 lumens	10 lumens	10 lumens
 Runtime	8hours 20minutes*	14hours	240hours	4hours 27minutes*	12hours	198hours	4hours *	110hours	18hours	36hours	/	/	/
 Distance	80meters	56meters	4meters	450meters	318meters	22meters	450meters	28meters	/	/	/	/	/
 Intensity	1606cd	784cd	5cd	50624cd	25280cd	125cd	50624cd	194cd	/	/	/	/	/
 Impact Resistance	1meters												
 Waterproof	IP66												

Note: The above specifications are the test results produced by Fenix through its laboratory testing

using two Fenix ARB-L21-6000 batteries under the temperature of $21\pm3^{\circ}\text{C}$ and humidity of 50% - 80%. The true performance of this product may vary according to different working environments and the actual battery used.

*The Floodlight, Spotlight, and Spot-and floodlight modes feature stepless brightness regulation. The above specifications only indicate these three modes' runtime at max, med, and min outputs.

*The High output is measured in total of runtime including output at reduced levels due to the built-in temperature protection mechanism.

Warning

©Do NOT place this lantern in the reach of children!

©Do NOT shine the lantern directly into the eyes of anyone!

©Do NOT place the lantern near flammable objects, high temperatures can cause objects to overheat and become flammable/ignite!

©Do NOT use the lantern in inappropriate ways such as holding the unit in your mouth, doing so could cause serious personal injury or death if the lantern or internal batteries fail!

©This lantern will accumulate a significant amount of heat while operating, resulting in a high temperature of the lantern shell. Pay close attention to avoid burns.

©Remove the batteries to prevent accidental activation when the lantern is placed in a closed and flammable environment such as pockets and backpacks!

©The LEDs of this lantern are not replaceable; so the whole lantern will need to be replaced when any one of the LEDs reaches the end of its lifespan.

Product features

©5500 lumens max output and 450 meters max beam distance.

©Uses one four-color COB light strip, twenty-four 3014 red LEDs, and one Luminus SFT70 XLED.

- ©Spotlight and floodlight for both up-close and long-distance lighting.
- ©Red triangle warning light, yellow flashing light and green constant light make the lantern eye-catching and easy to recognize for improved safety.
- ©Powered by two 6000mAh 21700 batteries.
- ©Standard USB-C charging port features battery level indication and low-voltage warning.
- ©Power bank function; USB-A and USB-C ports allow for convenient discharging.
- ©Dual rotary switch allows free adjustment of the brightness and color temperature.
- ©360° rotary handle makes all-around lighting possible.
- ©Magnetic handle and threaded tripod socket for multiple mounting ways.
- ©Front case is made of high-quality aluminum alloy material, lightweight and durable.
- ©IP66-rated protection.
- ©Size: 6.51" x 5.96" x 2.09"/165.3 × 151.5 × 53.2 mm.
- ©Weight: 26.77 oz/759 g (including batteries).

Operating Instructions

Modes and Outputs

Mode A: Floodlight mode, stepless brightness and color temperature regulation.

Mode B: Spotlight mode, stepless brightness regulation.

Mode C: Spot-and floodlight mode, stepless brightness and color temperature regulation.

Mode D: Warning mode, D1: Red constant-on; D2: Red flash; D3: Red chase; D4: Yellow flash; D5: Green constant-on.

Mode Switching

With the lantern turned off, rotate the large rotary switch clockwise to enter Mode A. Single click the

electronic switch to cycle through Mode A→Mode B→Mode C.

In Mode D, rotate the large rotary switch to enter Mode A.

In Modes A, B, or C, it is not possible to shift to Mode D.

With the lantern turned off, press and hold the electronic switch for 0.5 seconds to enter Mode D. Single click the electronic switch to cycle through D1→D2→D3→D4→D5, and press and hold the electronic switch for 0.5 seconds to turn off the lantern.

Output Selection and Light Color Adjustment

In Modes A, B, or C, rotate the large rotary switch clockwise to change the brightness from low to high and rotate it counterclockwise to change the brightness from high to low. Rotate it to the counterclockwise stop to turn off the lantern.

In Modes A and C, rotate the small rotary switch clockwise to change the color temperature from cold to warm and rotate it counterclockwise to change the color temperature from warm to cold.

Intelligent Memory Circuit

The lantern automatically memorizes the previously used mode, excluding the Warning mode.

When turned on again, the previously used mode will be recalled.

The lantern automatically memorizes the previously used output of the Warning mode.

When turned on again in Warning mode, the previously used output of the Warning mode will be recalled.

The lantern memorizes the last selected color temperature of Floodlight mode. When turned on again in Floodlight mode, the previously selected color temperature will be recalled.

Note:

1. The lantern doesn't memorize the last selected brightness level. When turned on again, the lantern will activate on the Low output.
2. If the small rotary switch is rotated after the lantern is turned off, then the lantern will not recall the previously selected color temperature when turned on again.

Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Fenix ARB-L21-6000	21700	3.6 V	Recommended	✓✓
Fenix ARB-L21 Series	21700	3.6 V	Usable	✓
Rechargeable Battery (Li-ion)	21700	3.6 V	Caution*	!
Rechargeable Battery (Li-ion)	18650	3.6 V	Banned	×

Warning:

*21700 Li-ion batteries are powerful cells designed for commercial applications and must be treated with caution and handled with care. Using low-quality batteries or mishandling batteries (such as short-circuiting or overheating) could lead to combustion and jeopardize the safety of users and property. Any adverse effects resulting from the use of low-quality batteries are not covered by any Fenix warranty or liability. Using quality batteries with circuit protection will reduce the potential for combustion or explosion.

Battery Replacement

Pull up the pulling ring at the lantern bottom and unscrew it counterclockwise to open the battery cover. Insert the batteries with the cathode side (-) towards the inside, then screw the battery cover back on.

Charging

1. Open the anti-dust cover and connect the USB Type-C end of the charging cable to the lantern.
2. When charging, the battery level indicators will flash from left to right to display the charging status.
3. The four indicators will be constant-on after charging is completed.

Note:

1. When charging, the maximum brightness level of the lantern is 500 lumens.
2. With the lantern turned off, the normal charging time is at least approximately 3 hours from depleted to fully charged with a maximum charging power of 18 W.
3. Once charging is completed, be sure to unplug the charging cable and close the anti-dust cover.

Power Bank Function

1. Open the anti-dust cover and connect the USB-C end or the USB-A end of the charging cable to the light.
2. When discharging, the battery level indicators will flash from right to left to display the discharging status.
3. When the battery level is lower than 3 V, the lantern will automatically stop discharging.

Note:

1. The lantern can be operated while discharging.
2. Fast charging protocols supported include: USB-C: PD3.0/PD2.0/QC3.0/QC2.0; USB-A: QC3.0/QC2.0.
3. Discharge performance: If the discharge output is 5 V, then the maximum discharge current is 3 A; if the discharge output is 9 V, then the maximum discharge current is 2 A; if the discharge output is 12 V, then the maximum discharge current is 1.5 A.
4. The USB-A and USB-C ports can discharge simultaneously.
5. The USB-A port cannot discharge while the lantern is being recharged via the USB-C port.

Battery Level Indication

With the lantern turned off, single click the electronic switch to check the battery status, the indicator(s) will last for 3 seconds. Each time the lantern is turned on, the indicator(s) will show the current battery level and will last for 3 seconds.

Four lights on: 100% - 80%

Three lights on: 80% - 60%

Two lights on: 60% - 40%

One light on: 40% - 20%

One light flashes: 20% - 1%

Intelligent Overheat Protection

The lantern will accumulate a lot of heat when used for extended periods. When the lantern reaches a temperature of 54°C/129.2°F or above, it will automatically step down a few lumens to reduce the temperature. When the temperature drops below 54°C/129.2°F, the lantern will gradually recall the preset output level.

Low-voltage Warning

When the voltage level drops below the preset level, one battery level indicator blinks to remind users to recharge or replace the batteries in a timely manner. To ensure normal use, the lantern will not turn off automatically and will work till the battery level runs out.

Usage and Maintenance

©Disassembling the sealed parts of the lantern can cause damage to the lantern and will void the warranty.

©Fenix recommends using excellent quality batteries.

©If the lantern will not be used for an extended period, remove the batteries, or the lantern could be damaged by electrolyte leakage.

©Recharge a stored lantern every three months to maintain optimum performance of the batteries.

©The lantern may flicker, shine intermittently or even fail to illuminate for the following reasons:

A: Poor battery level.

Solution: Recharge or replace the batteries.

B: The contact or contact point of the batteries or lantern is dirty.

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

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

Included

Fenix CP50R camping lantern, 2 x ARB-L21-6000 batteries, USB Type-C charging cable, Spare O-ring, User manual, Warranty card