







## Fenix E28R Flashlight

### Technical Parameters

ANSI/ PLATO	Turbo	High	Med	Low	Eco	Strobe
FL1						
 Output	1500 lumens	800 lumens	350 lumens	150 lumens	30 lumens	1500 lumens
 Runtime	2 hours 5 minutes*	2 hours 30 minutes	6 hours	17 hours 15 minutes	73 hours 35 minutes	/
 Distance	200 meters	140 meters	90 meters	61 meters	28 meters	/
 Intensity	9433 candela	4574 candela	1970 candela	894 candela	189 candela	/
 Impact Resistance	1 meter					
 Submersible	IP68					

Note: The above specifications are from the results produced by Fenix through its laboratory testing using the included Fenix ARB-L18-3400 18650 rechargeable 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 total of runtime including output at reduced levels due to temperature or protection mechanism in the design.

- ⊙ 1500 lumens maximum output and 200 meters maximum beam distance.
- ⊙ Utilizes Luminus SST40 cool white LED with a lifespan of 50,000 hours.
- ⊙ Included one ARB-L18-3400 18650 rechargeable Li-ion battery, compatible with two CR123A ⊙ Lithium batteries.
- ⊙ USB Type-C fast charging, inner waterproofing treatment.
- ⊙ Ultra-thin optical lens for soft and balanced beam.
- ⊙ Simple output selection with side switch.
- ⊙ Boot-up battery level indication and low-voltage warning.
- ⊙ Made of A6061-T6 aluminum.
- ⊙ Premium type HAIII hard-anodized anti-abrasive finish.
- ⊙ Size: 4.29" x 1.04" x 0.89" / 109 x 26.5 x 22.6 mm.
- ⊙ Weight: 2.33 oz / 66 grams (excluding battery).

## **Operating Instruction**

### **On/off**

With the light unlocked, 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 side switch to cycle through Turbo→Eco→Low→Med→High.

### **Lock/Unlock**

Lock: with the light switched off, double click the switch within 0.5 seconds to lock the light, the light will blink twice on Eco to indicate locked status.

Unlock: with the light locked, double click the switch within 0.5 seconds, the light will be unlocked and activated on Eco.

\*In locked status, clicking or pressing the switch will activate 2 one-second blinks on Eco to

indicate locked status.

### Strobe

With the light switched on/off, press and hold the side switch for 1.2 seconds to enter Strobe, single click the side switch again to turn back to the previously used output level.

### Intelligent Memory Circuit

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

## Battery Specification

Type	Dimension	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/3.7V	Caution*	☐
Rechargeable Battery (Li-ion)	16340	3.6V/3.7V	Banned	×
Rechargeable Battery (LiFePO4)	16340	3.2V	Banned	×
Rechargeable Battery (LiFePO4)	18650	3.2V	Banned	×

Warning: Do not mix batteries of different brands, sizes, capacities or types. Doing so may cause damage to the flashlight or to the batteries being used.

\* 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 light tail and insert the battery with the anode side (+) towards the light head, then screw the light tail back on.

## **Charging**

1. First switch off the light 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 to green when fully charged.
3. Once charging is completed, be sure to close the anti-dust cover. (The light features inner waterproofing treatment, thus the performance won't compromise even if there is water in the charging port).

Note:

1. The normal charging time of the included Fenix ARB-L18-3400 rechargeable Li-ion battery is approximately 3 hours from depletion to full charging, with 5V/2A adapter.
2. Recharge a stored light every four months to maintain optimum performance of the battery.
3. The relatively Eco output is available while charging, but the charging time will be prolonged.

## **Battery Level Indication**

With the light switched off, single click the side switch to check the battery status, the indicator 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 Downshift**

### **Time-limited Downshift**

The light will downshift to 900 lumens within 30 seconds when it has been used on Turbo for 1 minute.

### **Overheat Protection**

1. The light will accumulate a lot of heat when used on Turbo or High output level for extended periods. When the light reaches a temperature of 60°C or above, the light will automatically step down by 5% every 10 seconds to reduce the temperature, and until to 350 lumens. When the temperature is reduced below 60°C, the light will automatically step up by 5% every 10 seconds, and it will then allow the user for the reselection of Turbo mode.

## **Low-voltage Warning**

When the voltage level drops below the preset level of 3V, the flashlight is programmed to downshift to a lower brightness level until Eco output is reached. When this happens in Eco output mode, the battery level indicator blinks red to remind you to recharge the battery. To ensure normal use, the flashlight will not turn off automatically and will work till the battery level runs out or the protection board activates.

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

## **Usage and Maintenance**

- Disassembling the sealed head can cause damage to the light and will void the warranty.
- Fenix recommends using an excellent quality battery.
- If the light will not be used for an extended period, remove the battery, or the light could be damaged by electrolyte leakage or battery explosion.
- Lock the light or take out the battery to prevent accidental activation during storage or transportation. Recharge a stored battery every four months to maintain optimal battery

performance.

- 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 lamp's performance as dirty contacts may cause the lamp to flicker, shine intermittently or even fail to illuminate for the following reasons:

A: The battery needs replacing.

Solution: Replace battery (Ensure battery is inserted according to the manufacturer's specifications).

B: The threads, PCB board contact or other contacts are 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 E28R flashlight, ARB-L18-3400 18650 rechargeable Li-ion battery, USB Type-C fast charging cable, Lanyard, Spare O-ring, User manual, Warranty card

## Warning

- This flashlight is a high-intensity lighting device capable of causing eye damage to the user or others. Avoid shining the flashlight directly into anyone's eyes.
- This flashlight will accumulate a lot of heat when used for extended periods, resulting in high temperature of the flashlight shell. Pay attention to safe use to avoid scalding.
- All information provided in this manual is subject to change without prior notice.