

# Fenix WT50R Multifunctional Handheld Searchlight

## PRODUCT FEATURES

- 2 Cree LEDs with a lifespan of 50,000 hours; a max output of 3,700 lumens.
- Headlight and tail light are controlled separately.
- 7.2V/5200mAh rechargeable Li-ion battery pack included.
- Fast USB Type-C charging with discharging function available.
- Lockout function avoids accidental activation.
- Intelligent memory circuit and battery level indication.
- Intelligent overheat protection against high surface temperature.
- Digitally regulated output maintains constant brightness.
- Reverse polarity protection, to protect from improper battery insertion
- Made of durable high-strength and oxidation-resistance aluminum.
- Premium type HAIII hard-anodized anti-abrasive finish.
- 26.17oz / 742 g (including battery).
- 7.91" x 4.28" x 2.56" / 200.8 x 65 x 108.7 mm.

## OPERATING INSTRUCTION

### ON/OFF

When the light is unlocked, press and hold the handle switch for 0.5 seconds to turn on/off the headlight.

When the light is unlocked, press and hold the tail switch for 0.5 seconds to turn on/off the tail light.

### OUTPUT SELECTION

When the headlight is switched on, single click the handle switch to cycle through Low→Med→High→Turbo.

When the tail light is switched on, single click the tail switch to cycle through Low→Med→High.

### STROBE

When the light is unlocked, press and hold the handle switch for 1.2 seconds to enter the strobe of the headlight, and then single click the handle switch to turn back to the previously used output.

### LOCKOUT FUNCTION

**Lock:** When the light is switched off and unlocked, double click the handle switch, the headlight will blink twice on low mode to indicate the locked status.

**Unlock:** When the light is switched off and locked, double click the handle switch, the headlight will blink twice on Low and will be activated on Low.

Under the lockout status, any random clicking or pressing the switches will activate two one-

second blinks to indicate that it is under this locked status.

### **BATTERY LEVEL INDICATION**

When the light is switched off, single click the tail switch to check the battery status, the indicator will stay on for five seconds before it goes off.

Four LEDs on: 100% - 80%

Three LEDs on: 80% - 60%

Two LEDs on: 60% - 40%

One LEDs on: 40% - 20%

One LEDs flashes: 20% - 0

### **INTELLIGENT MEMORY CIRCUIT**

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

### **INTELLIGENT OVERHEAT PROTECTION**

The light will accumulate a lot of heat when used on Turbo for extended periods. When the light reaches a temperature of 65°C or above, the light will automatically step down a few lumens to reduce the temperature. When the temperature drops below 65°C, it will then allow the user for the reselection of Turbo mode.

### **BATTERY DETAILS**

Type	Dimensions	Nominal Voltage
Li-ion Battery	Fenix ARB-L45-10400	7.2V
Li-ion Battery	Fenix ARB-L45-14000	7.2V

### **BATTERY REPLACEMENT**

Unscrew the light head to insert the allowed Fenix battery regardless of polarity marks (reverse polarity protection of battery), and then screw the light head back on.

### **CHARGING**

**Operation:** When charging is needed, remove the dust cover to reveal the charging port in the light tail, and connect the light to the power source with the USB Type-C charging cable.

**Indication:** The indicators on the light tail will flash in a incremental way to indicate charging status. Four indicators will remain constant on when the battery is fully charged.

### **ACTING AS A POWER BANK**

Plug the USB A socket of charging cable to the USB A socket of the light, and the other side of the charging cable to any digital device. The indicators on the light tail will flash in a descending way

to display discharging status when discharging begins.

Note:

1. Once charging is completed, be sure to remove the charging cable and push the dust cover back to protect the charging port from dust and foreign objects.
2. Recharge a stored light every four months to maintain optimal battery performance.
3. The light can be turned on Low of tail light when it is in charging process.
4. Any output can be used when the light is in discharging process.

## SPECIFICATIONS

ANSI/PLATO FL1	Headlight					Tail light		
	Turbo	High	Med	Low	Strobe	High	Med	Low
 Output	3,200 lumens	1,000 lumens	350 lumens	50 lumens	3,200 lumens	500 lumens	200 lumens	50 lumens
 Runtime	2 hours	5hours 30 minutes	18 hours	112 hours	/	7 hours	25 hours	116 hours
 Distance	425 meters	239 meters	138 meters	48 meters	/	54 meters	31 meters	15 meters
 Intensity	45,333 candela	14,305 candela	4,754 candela	582 candel a	/	733 candela	238 candela	58 candela
 Impact Resistance	1 meter							
 Waterproof	IP68, underwater 2meters							

Testing conditions: The included Fenix ARB-L45-10400 (7.2V/5200mAh) rechargeable Li-ion battery was used at a temperature of 21±3 °C with the humidity between 50% - 80%.

## USAGE AND MAINTENANCE

- Disassembling the sealed head can cause damage to the light and will void the warranty.
- Lock the light or unscrew the light head half a turn 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 lamp to flicker, shine intermittently or even fail to illuminate for the following reasons:

A: The battery needs replacing.

Solution: Replace battery pack/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**

WT50R flashlight, ARB-L45-10400 rechargeable battery, Charging adapter, USB Type-C charging cable, Shoulder strap, 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.