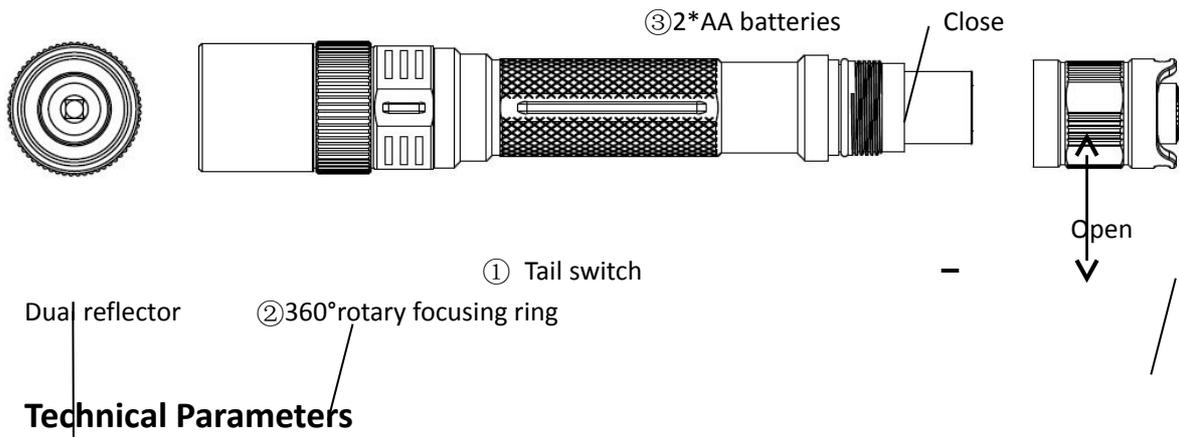


# Fenix FD20 Flashlight

Fenix FD20 is a compact and everyday carrying focusing flashlight which uses 2 AA batteries. It is fitted with a dual reflector optical system, rotating the focusing ring 360° moves the head and the reflector forward and backward from the LED, thus regulating the focus between spotlight and floodlight. The reverse tail switch controls four output levels, max output reaches 350 lumens and beam distance of 115 meters. Digitally regulated output plus IP68 rated protection make the FD20 stand out in everyday carrying, emergency and outdoor use.



## Technical Parameters

ANSI/PLATO FL1		Turbo	High	Med	Low
 Output	Ni-MH/Alkaline	350Lumens	100Lumens	50Lumens	8 Lumens
 Runtime	Alkaline	36min	4h	12h	55h
	Ni-MH	2h	7h 30min	16h 40min	80h
 Distance	Spotlight	115m	61m	44m	17m
	Floodlight	48m	25m	18m	7m
 Intensity	Spotlight	3305cd	930cd	485cd	70cd
	Floodlight	575cd	155cd	80cd	12cd
	1m				

<b>Impact Resistance</b>	
 <b>Waterproof</b>	IP68, underwater 2m

Note: The abovementioned parameters (lab-tested by using **two** Ni-MH/2500mAh and the included alkaline batteries) may vary between flashlights, batteries and environments.

- Uses Cree XP-G2 S3 LED with a lifespan of 50,000 hours
- Powered by 2 AA batteries
- 153.2mm Length x 20mm Body diameter x 25.4mm Head diameter
- 87 grams (excluding batteries)
- Dual reflector optical system
- 360° rotary focusing technology
- Digitally regulated output maintains constant brightness
- Reverse polarity protection, to protect from improper battery insertion
- Reverse tail switch for one-hand operation
- Made of durable aircraft-grade aluminum
- Premium type III hard-anodized anti-abrasive finish

Accessories: 1\* lanyard, 1\* holster, 2\* AA batteries, 1\* spare O-ring, 1\* spare rubber boot switch

## Operating Instruction

### ① ON/OFF

Fully press the tail switch to turn on/off the light.

### Output Selection

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

### ② Spotlight and Floodlight Adjustment

Rotate the focusing ring to regulate the dual reflectors, thus changing between spotlight and floodlight.

### Intelligent Memory Circuit

The flashlight memorizes the last brightness level after 1 second it is turned off. The next time it is turned on, it will recall the previously used brightness level.

## Battery Specifications

Type	Dimensions	Nominal voltage	Usability	
Ni-MH Battery	AA	1.2V	Recommended	✓✓
Alkaline Battery	AA	1.5V	Usable	✓
Non-rechargeable Battery (Li-ion)	AA	1.5V	Usable	✓
Fenix ARB-L14-1600U Battery (Li-ion)	14500	1.5V	Usable	✓
Rechargeable Battery (Li-ion)	14500	3.7V	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.

\*Using battery banned will cause flashlight malfunction or damage.

## ③ Battery Replacement

Unscrew the tail cap to insert the battery with the anode side (+) towards the light head, then screw the tail cap back on.

## Usage and Maintenance

- Disassembling the sealed head can cause damage to the light and will void the warranty.
- Fenix recommends using 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.
- Long-term use can result in O-ring wear. To maintain a proper watertight 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.

## Warning

The 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.