

EC20
USER MANUAL

EC20 is a 2*AA versatile personal carry light with good combination of small size and output. The max output is up to 550 lumens with max beam throw 145 meters. It features a multi-function, rubber push-button tactical tail switch for easy one-handed operation of momentary, variable intensity (turbo-high-mid-low), SOS or strobe modes. It is ideal for outdoor sports, law enforcement, security and personal use.

Caution

- “Strobe” may cause seizure in persons with photosensitive epilepsy.
- After using a long time, the light will be warm. This is NORMAL and is not a defect.

Features

- Specially designed for outdoor sports, law enforcement, security and personal use;
- 2*AA versatile personal carry light with good combination of small size and output;
- Max output up to 550 lumens with max beam throw 145 meters;
- Easy operation with multi-function, rubber push-button tactical tail switch;
- 4 brightness levels plus strobe and SOS available;
- High-strength aerospace aluminum body with hard anodized finish for extreme durability;
- Mineral optical lens with anti-reflective coating
- Compatible with accessible alkaline and rechargeable nickel batteries

ANSI Chart

FL 1 STANDARD	TURBO	HIGH	MEDIUM	LOW	SOS
Output (lumens)	550LM	180LM	50LM	3LM	550LM
Runtime (hours)	2.5h	8.5h	35h	180h	5h
Max light intensity (cd)	5,260cd				
Max Range (meters)	145m				
Impact Resistance (meters)	1m				
Waterproof Rating	IPX-8				

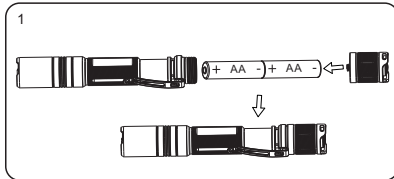
The above parameters are lab-tested by Fitorch with two AA alkaline batteries. The data may vary due to different environments.

Specification

- LED: 1*CREE XPL HD 1C V6
- Input: 2.0Vdc-4.2Vdc
- Output: Max 550 lumens
- Reflector: Precise metal filmed
- Glass: Filmed mineral glass
- Material: Aluminum body
- Housing: Premium hard-anodized anti-abrasive finish
- Switch: Single tail switch
- Size: $\phi 20.5 \times \phi 23 \times L155$ MM
- Weight: 78.8g(battery excluded)

Manual

- **Battery Installation**
Insert 2*AA (alkaline or NI-MH) batteries as illustrated (1#).
- **On/Off**
Click one time switch for ON, again for OFF.
- **Different Outputs Switching**
When the light is on, click the tail button, the light will be off. Click the button again, the light will go access to the next brightness level. With this operation, the light will cycle through the illumination modes in the following order: Turbo-High-Medium-Low-Strobe- Turbo- SOS.
- **Memory Function**
Light has memory function for brightness level, but no for Strobe and SOS.



Accessories

2*AA alkaline batteries, 2*O rings, 1*button cap, 1* lanyard, 1*holster, 1*clip

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Store and maintenance

- Disassembling the sealed head or built-in battery will damage the lights and void the warranty
- Store and keep the light from fire, statics, steaming and humidity surroundings

Warranty

- 15 days free replacement: Fitorch will replace a new replacement within 15 days from purchase date for any manufacturing defects happen in normal use. If the model has been discontinued, customers will receive a product with similar or improved model;
- 5 years (60 months) free repairs: Fitorch will offer free repair within 5 years for lights from the date of purchase if problem happen in normal use;
- Limited lifetime warranty: Over 5 years, Fitorch will provide lifetime repairs but charge for parts.

The free warranty does not cover any damages or failure caused by:

- Normal wear;
- Rough operation;
- Improper operations;
- Salt water and corrosive damage to the light

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