







# Fenix WF30RE Intrinsically Safe Flashlight

## Technical Parameters

| ANSI/PLATO FL1   | High                  | Med                    | Low         | Strobe     |
|--|-----------------------|------------------------|-------------|------------|
| <br><b>OUTPUT</b>             | 280 Lumens            | 120 Lumens             | 30 Lumens   | 280 Lumens |
| <br><b>RUNTIME</b>            | 6 hours<br>50 minutes | 15 hours<br>40 minutes | 120 hours   | /          |
| <br><b>DISTANCE</b>           | 170 meters            | 120 meters             | 58 meters   | /          |
| <br><b>INTENSITY</b>          | 7200 candela          | 3589 candela           | 830 candela | /          |
| <br><b>IMPACT RESISTANCE</b> | 1 meter               |                        |             |            |
| <br><b>SUBMERSIBLE</b>      | IP66 / IP68           |                        |             |            |

Note: According to the ANSI/PLATO FL1 standard, the above specifications are from the results produced by Fenix through its laboratory testing using the Fenix ARB-L21-2600Ex 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.

## Product Features

- Intrinsically safe flashlight for use in hazardous areas.
- Cree XP-G2 LED with a lifespan of 50,000 hours.
- Powered by one Fenix ARB-L21-2600Ex rechargeable Li-ion battery.
- Rechargeable design.
- Three output levels; 280 lumens maximum output.
- Multiple explosion-proof certifications of IECEx, ATEX, CSA
- Specialized charger included.
- Made of durable high-strength and oxidation-resistance aluminum.
- Premium type HAIII hard-anodized anti-abrasive finish.
- Weight: 7.58 oz / 215g (including battery).
- Size: 5.93" x 1.34" x 1.10" / 150.5 x 34 x 28 mm.

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## Markings

**IECEX: IECEX TUR 18.0042X**

Ex ib IIC T4 Gb

Ex ib IIIC T130°C Db

**ATEX: TÜV 18 ATEX 8252X**

II 2G Ex ib IIC T4 Gb

II 2D Ex ib IIIC T130°C Db

**CSA: CSA20CA80059279X**

Ex ib IIC T4 Gb; Ex ib IIIC T130°C Db

Class I, Zone 1, AEx ib IIC T4 Gb; Zone 21, AEx ib IIIC T130°C Db

**NEPSI: GYB20.1823X**

Ex ib IIC T4 Gb

Ex ibD 21 T130

## Standards

- IEC 60079-0:2017
- IEC 60079-11:2011
- EN 60079-0:2018
- EN 60079-11:2012
- GB 3836.1-2010
- GB 3836.4-2010
- GB 12476.1-2013
- GB 12476.4-2010
- CAN/CSA-C22.2 No. 60079-0:15
- CAN/CSA-C22.2 No. 60079-11:14
- CSA C22.2 No.250.4-14
- ANSI/UL 60079-0-Sixth Edition
- ANSI/UL 60079-11-Sixth Edition
- UL153- Thirteenth Edition
- UL 1576-First Edition (used as guide)

## Operating Instruction

### On/Off

Press and hold the switch for 0.5 seconds to turn on /off the light.

### Output Selection

With the light turned on, single click the switch to cycle through Low→Med→High.

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### **Strobe**

When the light is switched on, press and hold the switch for 1.2 seconds to enter strobe. Single click the switch to turn back to the previously used output.

### **Intelligent Memory Circuit**

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

## **Battery Specifications**

For your safety, use only Fenix ARB-L21-2600Ex rechargeable Li-ion battery.

## **Battery Replacement**

Open the tail cap with an 8mm Allen wrench, insert the ARB-L21-2600Ex Li-ion battery with the electrode towards the light head, close and screw the tail cap.

Warning:

1. Do not open when an explosive atmosphere is present.
2. Do not charge the battery in hazardous location.
3. For your safety, only use Fenix ARB-L21-2600Ex rechargeable Li-ion battery.

## **Charging**

1. Connect the charging protector to the adapter, then connect to a power source, the indicator of the charging protector will flash alternately in red and green, indicating that it is in the charging preparation state.
2. Reveal the charging port of the light, plug the socket of the charging protector into the light's, the indicator of the charging protector displays red while charging, and will turn to green when fully charged.
3. Once charging is completed, be sure to close the anti-dust cover.

Warning:

1. Do not charge the battery in hazardous location.
2. When charging, use the included charging protector to protect the inner intrinsically-safe circuit.

## **Battery level indication**

With the light switched off, single click the switch to check the battery status. The battery level indicator will display the battery status 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%

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## Low-voltage Warning

When the voltage level drops below the preset level, the flashlight is programmed to downshift to a lower brightness level until Low output is reached. When this happens in Low output, the light blinks 3 times every 10 minutes to remind you to recharge or replace the battery.

## Usage and Maintenance

- Disassembling the sealed head can cause damage to the light and will void the warranty.
- Use only Fenix ARB-L21-2600Ex rechargeable Li-ion battery. If the light will not be used for an extended period, remove the battery, or the light could be damaged by electrolyte leakage.
- The included battery needs to be charged when it is near depletion. Please immediately charge the battery when it is depleted without concern of affecting the Li-ion battery. It has no memory effect.
- Long-term use can result in O-ring wear. To maintain a proper water seal, replace the ring with an approved spare.

## Included

WF30RE Flashlight, Fenix ARB-L21-2600Ex rechargeable Li-ion battery, Charging adapter, Charging protector, Spare O-ring, Lanyard, EU Declaration of Conformity, User manual, Warranty card.

## Special Condition of Use

- Do not open and replace battery when an explosive atmosphere is present.
- Use only Fenix ARB-L21-2600Ex rechargeable Li-ion battery.
- Do not charge the battery in hazardous location.
- Only the special charger of this product (with charging protector) can charge the WF30RE flashlight.
- Do not use in explosive atmospheres if the flashlight is with missing parts (especially for dust cap of charging socket) or the shell of it is obviously broken.
- Ambient temperature rating: -20°C to 45°C.

## Others

- Ambient pollution degree: 3
- Overvoltage category: II

## Warning

When using flashlights or lanterns, additional precautions should always be followed, including the following:

- To reduce the risk of injury, close supervision is necessary when a product is used near children.

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- Do not contact hot parts.
  - Only use attachments recommended or sold by the manufacturer.
  - To reduce the risk of electrical shock, do not put + in water or other liquid. Do not place or store product where it can fall or be pulled into a tub or sink.  
+ Replace with specific part of product in question.
  - **WARNING:** To reduce the risk of injury, do not stare at operating light. Serious eye injury could occur.
  - Do not open or replace the battery when an explosive atmosphere is present.
  - Use only ARB-L21-2600Ex rechargeable Li-ion battery.
  - Do not charge the battery in hazardous location.
  - Substitution of components may impair intrinsic safety.
  - 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.