

(ENGLISH)Fenix WF30RE Explosion-proof Flashlight

Warning

- ©Do NOT open the light in explosive atmospheres!
- ©Do NOT recharge or replace the battery in explosive atmospheres!
- ©Any self-made modifications to the unit may impair its intrinsic safety.
- ©Do NOT shine the light directly into anyone's eyes as this light is a high-intensity lighting device.
- ©All information provided in this manual is subject to change without prior notice.
- ©Do NOT place this light in the reach of children!
- ©Do NOT use the light in inappropriate ways such as holding the unit in your mouth, doing so could cause serious personal injury or death if the light or internal battery fails!
- ©This light will accumulate a significant amount of heat while operating, resulting in a high temperature of the light shell. Pay close attention to avoid burns.
- ©The LED of this light is not replaceable; so the whole light will need to be replaced if the LED reaches the end of its lifespan.

Product features

- ©Intrinsically safe explosion-proof flashlight.
- ©Utilizes one CREE XP-G3 LED with a lifespan of 50,000 hours.
- ©300 lumens maximum output.
- ©Powered by one Fenix ARB-L21-3000Ex rechargeable battery.
- ©USB Type-C charging port on the light neck.
- ©Multiple explosion-proof certifications of IECEx, ATEX, and NEPSI.
- ©Boot-up battery level indication and low-voltage warning.
- ©Made of durable A6061-T6 aluminum alloy material.
- ©Weight: 7.69 oz/218 g (including battery).
- ©Size: 5.97" x 1.34" x 1.10"/151.7 x 34 x 28 mm.

Markings

IECEX: IECEx TUR 18.0042X

Ex ib IIC T4 Gb

Ex ib IIIC T130°C Db

ATEX: TÜV 18 ATEX 8252 X

 II 2G Ex ib IIC T4 Gb

 II 2D Ex ib IIIC T130°C Db IP66/IP68

GRGT: GRGT25.0014X

Ex ib IIC T4 Gb

Ex ib IIIC T130°C Db

Intend for use

This flashlight /Headlamp can be used in Zone 1 and Zone 2, where there is explosive gas mixture belongs IIA, IIB and IIC; and can be used in combustible dust areas: Zone 21 and Zone 22.

Standards

- IEC 60079-0:2017
- IEC 60079-11:2023
- EN IEC 60079-0:2018
- EN 60079-11:2012
- GB/T 3836.1-2021
- GB/T 3836.4-2021

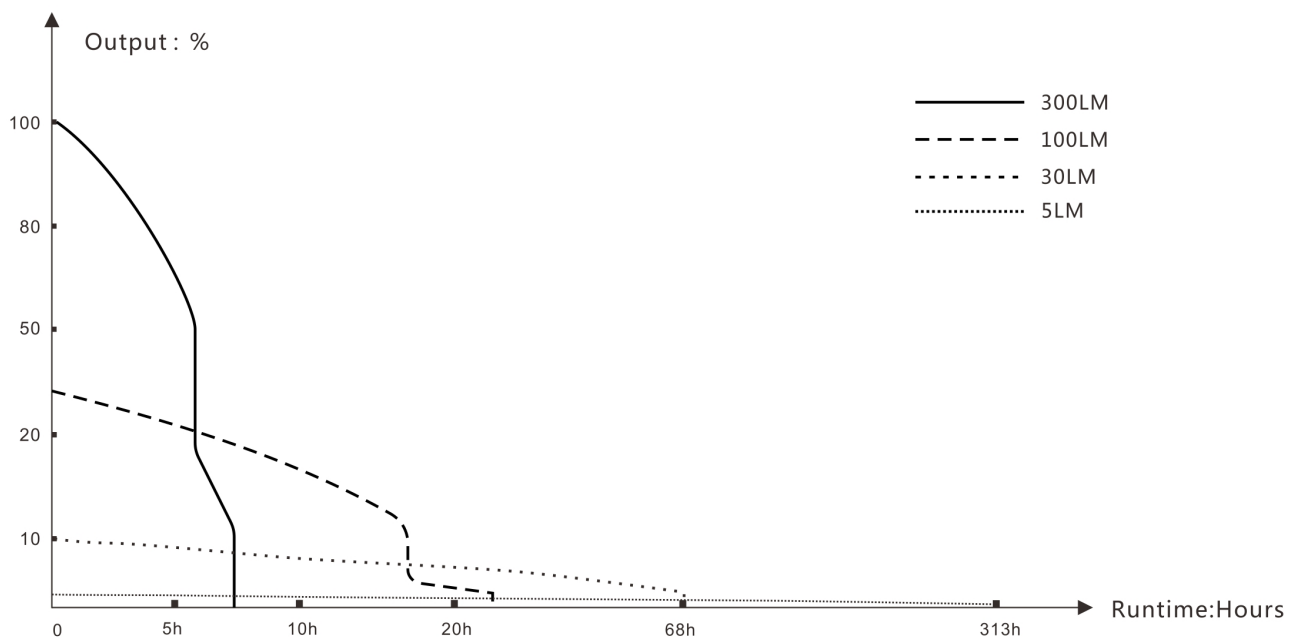
Technical Parameters

ANSI/ PLATO FL1	General mode			Extreme mode	
	High	Med	Low	Eco	SOS
 OUTPUT	300 lumens	100 lumens	30 lumens	5 lumens	30 lumens
 RUNTIME	7 hours 18 minutes*	22 hours 53 minutes	68 hours	313 hours 22 minutes	/
 DISTANCE	149 meters	86 meters	47 meters	19 meters	/
 INTENSITY	5572 candela	1880 candela	550 candela	93 candela	/

 IMPACT RESISTANCE	1 meter
 SUBMERSIBLE	IP68

Note: According to the ANSI/PLATO FL1 standard, the above specifications are from the results produced by Fenix through its laboratory testing using one Fenix ARB-L21-3000Ex rechargeable battery under the temperature of $21\pm3^{\circ}\text{C}$ and humidity of 50% - 80%. The true performance of this product may vary according to different working environments and the actual battery used.

*The High output is measured in total of runtime including output at reduced levels due to temperature or protection mechanism in the design.



Operating Instructions

On/off

With the light turned off, press and hold the switch for 0.5 seconds to turn on the light and enter the General mode.

With the light turned off, double click the switch to turn on the light and enter the Extreme mode.

With the light turned on, press and hold the switch for 0.5 seconds to turn off the light.

Output Selection

In the General mode, single click the switch to cycle through Low→Med→High.

In the Extreme mode, single click the switch to select between Eco and SOS.

Intelligent Memory Circuit

The light memorizes the last selected output excluding the outputs of the Extreme mode. When turned on again, the previously used output will be recalled.

The light will activate on Eco output if it was previously turned off on Eco or SOS output.

Battery Specification

For your safety, use only a Fenix ARB-L21-3000Ex battery.

Battery Replacement

Open the light tail with an 8 mm Allen wrench, insert a Fenix ARB-L21-3000Ex battery with the electrode towards the light head, then screw the light tail back on.

Warning:

1. Do not open the light in explosive atmospheres.
2. Do not recharge the light or change the battery in explosive atmospheres.
3. For your safety, only use a Fenix ARB-L21-3000Ex rechargeable battery.

Specific Conditions of Use FOR HAZARDOUS AREA

1. Do not open and replace battery when an explosive atmosphere is present.
2. Use only Fenix ARB-L21-3000Ex rechargeable li-ion battery.
3. Do not charge the battery in hazardous location.
4. Use only the specific charger provided by the manufacturer "Fenixlight Limited."
5. 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.

Battery level indication

With the light turned off, single click the switch to check the battery status. The battery level indicator in the switch 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%

Low-voltage Warning

When the voltage level drops below the preset level, the light is programmed to downshift to a lower brightness level until Low output is reached. When this happens in Low output, the battery level indicator blinks red to remind users to recharge or replace the battery in a timely manner.

Usage and Maintenance

©Disassembling the sealed head can cause damage to the light and will void the warranty.

©Only use a Fenix ARB-L21-3000Ex 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.

©Ambient temperature range: -20°C ~ 45°C

©The included battery needs to be charged when it is near depletion. Please immediately recharge the battery when it is depleted without concern of affecting the 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.

Others

©Ambient pollution degree: 3

©Overvoltage category: II

Included

Fenix WF30RE flashlight, Fenix ARB-L21-3000Ex battery, Charging adapter, Charging cable,
EU Declaration of Conformity, Spare O-ring, Lanyard, User manual, Warranty card