

Fenix WF05E Intrinsically safe flashlight







Product Description

The WF05E is an intrinsically safe flashlight, intended for all areas at risk of explosion, excluding underground mines. It has passed the necessary tests and was certified by IECEx, ATEX and CSA. Thus this product can be safely used in Zone 1 and Zone 2, where there is explosive gas mixture belongs to IIA, IIB and IIC; and it can be used in combustible dust areas: Zone 21 and Zone 22 as well, such as petroleum, chemical and textile industries, fire controlling, metallurgical areas, electric power stations and areas, and paper producing plants, etc.

Product Features

- Intrinsically safe flashlight for use in hazardous areas.
- Cree XP-G2 LED with a lifespan of 50,000 hours.
- Powered by two AAA alkaline batteries as shown in the battery list below.
- Three output levels, max 85 lumens.
- Made of durable high-strength and oxidation-resistance aluminum.
- Premium type HAIII hard-anodized anti-abrasive finish.
- Physical reverse polarity protection, to protect from the improper battery insertion.
- Weight: 1.34 oz / 38 g (excluding batteries).
- 5.29" Length x 0.75" Head diameter x 0.59" Body diameter/ 134.5 x 19 x 14.9 mm.

Technical Parameters

ANSI/PLATO FL1	High	Med	Low
 OUTPUT	85 Lumens	30 Lumens	10 Lumens
 RUNTIME	11.5 hours	35 hours	80 hours
 DISTANCE	54 meters	29 meters	18 meters
 INTENSITY	724 candelas	210 candelas	77 candelas
 IMPACT RESISTANCE	1 meter		
 WATERPROOF	IP66 / IP68		

Test condition: Two Energizer E92 AAA Alkaline batteries, temperature 21±3°C , humidity 50% - 80%.

Markings

IECEx

Ex ib IIC T4 Gb

Ex ib IIIC T130°C Db IP66/IP68

ATEX□

II 2G Ex ib IIC T4 Gb

II 2D Ex ib IIIC T130°C Db IP66/IP68

CSA□

Ex ib IIC T4 Gb IP66/IP68; Ex ib IIIC T130°C Db IP66/IP68

Class I, Zone 1, AEx ib IIC T4 Gb IP66/IP68; Zone 21, AEx ib IIIC T130°C Db IP66/IP68

Operating Instruction

On/Off

With the light switched off, turn the flashlight head clockwise to turn on the light.

With the light switched on, turn the flashlight head counterclockwise to turn off the light. Turn another half to avoid accidental activation.

Output Selection

Twist the light head to cycle through Off→Med→Off→High→Off→Low→Off.

Battery Specifications

Type	Dimensions	Nominal Voltage
1.5V ENERGIZER E92	AAA	1.5V
Panasonic LR03XWAAAA DURACELL MN2400	AAA	1.5V

Warning: 1. Do not disassemble the light or replace battery in potentially explosive atmospheres.

2. For your safety, only use the above-mentioned batteries.

3. Do not mix batteries of different types and capacities. Doing so may cause danger, or damage the flashlight.

Battery Replacement

Open the light head and replace the battery and ensure it is inserted in accordance with polarity marks, then tighten the light head.

Usage and Maintenance

- Uses only the three recommended types of batteries.
- If the light will not be used for an extended period, remove the battery, or the light could be damaged by electrolyte leakage.
- Remove the battery in non-explosive environments or unscrew the light head one-half 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.

Included

WF05E Flashlight, 2 × AAA Alkaline batteries (Energizer E92), Body clip, Spare O-ring, Lanyard, User manual, Warranty card

Warning

- Do not disassemble the light or replace battery in potentially explosive atmospheres.
- Do not keep the light surface in contact with electric equipments in potentially explosive atmospheres.
- Do not use in explosive atmospheres if the flashlight is with missing parts or its shell is obviously broken.
- 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.