



FENIX WF05E Intrinsically Safe Flashlight User Manual

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FENIX WF05E Intrinsically Safe Flashlight User Manual



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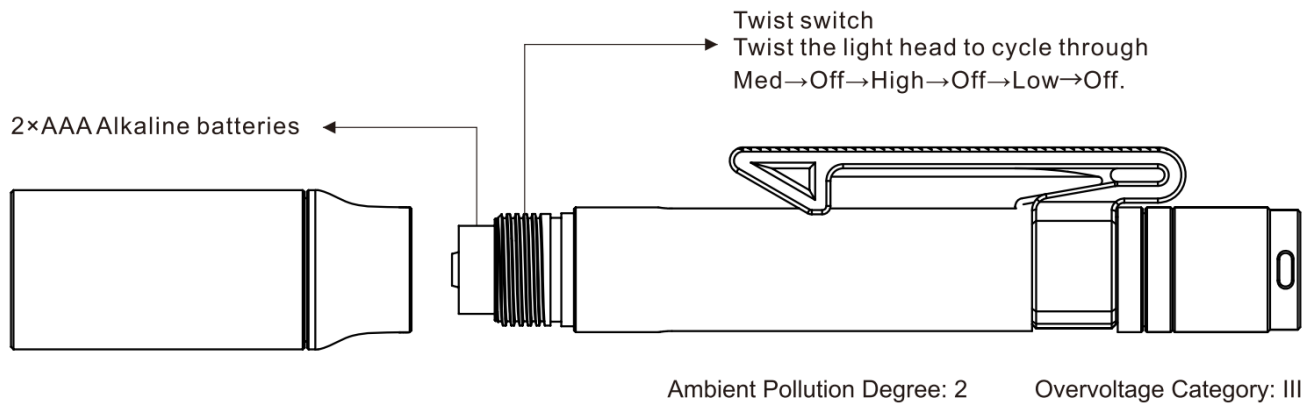
STANDARDS

IEC 60079-0:2011 Edition:6.0
IEC 60079-11:2011 Edition:6.0
EN 60079-0:2012/A11:2013
EN 60079-11:2012
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

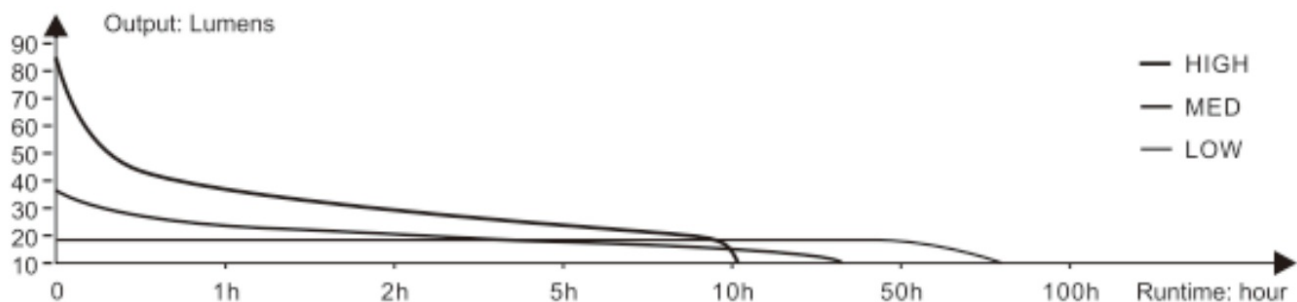
CERTIFICATE NUMBER

IECEX: IECEX TUR 18.0040X
Ex ib IIC T4 Gb
Ex ib IIIC T130°C Db IP66/IP68
ATEX: TÜV 18 ATEX 8250 X
II 2G Ex ib IIC T4 Gb
II 2D Ex ib IIIC T130°C Db IP66/IP68
SGS: SGSNA/21/SUW/00097X
Ex ib IIC T4 Gb IP66/IP68; Class I, Zone 1, AEx ib IIC T4 Gb IP66/IP68
Ex ib IIIC T130°C Db IP66/IP68; Zone 21, AEx ib IIIC T130°C Db IP66/IP68

Overview



Graph



WF05E Intrinsically safe flashlight

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 SGS. 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.

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

SGS:

Ex ib IIC T4 Gb IP66/IP68; Class I, Zone 1, AEx ib IIC T4 Gb IP66/IP68

Ex ib IIIC T130°C Db IP66/IP68; Zone 21, AEx ib IIIC T130°C Db IP66/IP68

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%.**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 Med-Off-High-Off→ Low-Off

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.

Battery Specifications

TYPES	DIMENSIONS	NOMINALVOLTAGE
ENERGIZER E92	AAA	1.5 V
DURACELL MN2400	AAA	1.5 V
Panasonic LRO3XWA	AAA	1.5 V

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

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, 2XAAA 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 the shell of it 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.

Special condition of use

1. Do not open the enclosure or replace the batteries when an explosive atmosphere may be present.
2. **Only the following batteries may be used in the model WF05E Flashlight:**
 - a) Energizer type E92 alkaline.
 - b) Duracell type MN2400 alkaline.
 - c) Panasonic LR03XWA alkaline

LIGHTING FOR EXTREMES

FACEBOOK



WECHAT



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Documents / Resources

	<p>FENIX WF05E Intrinsically Safe Flashlight [pdf] User Manual WF05E Intrinsically Safe Flashlight, WF05E, Intrinsically Safe Flashlight, Safe Flashlight, Flashlight</p>
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