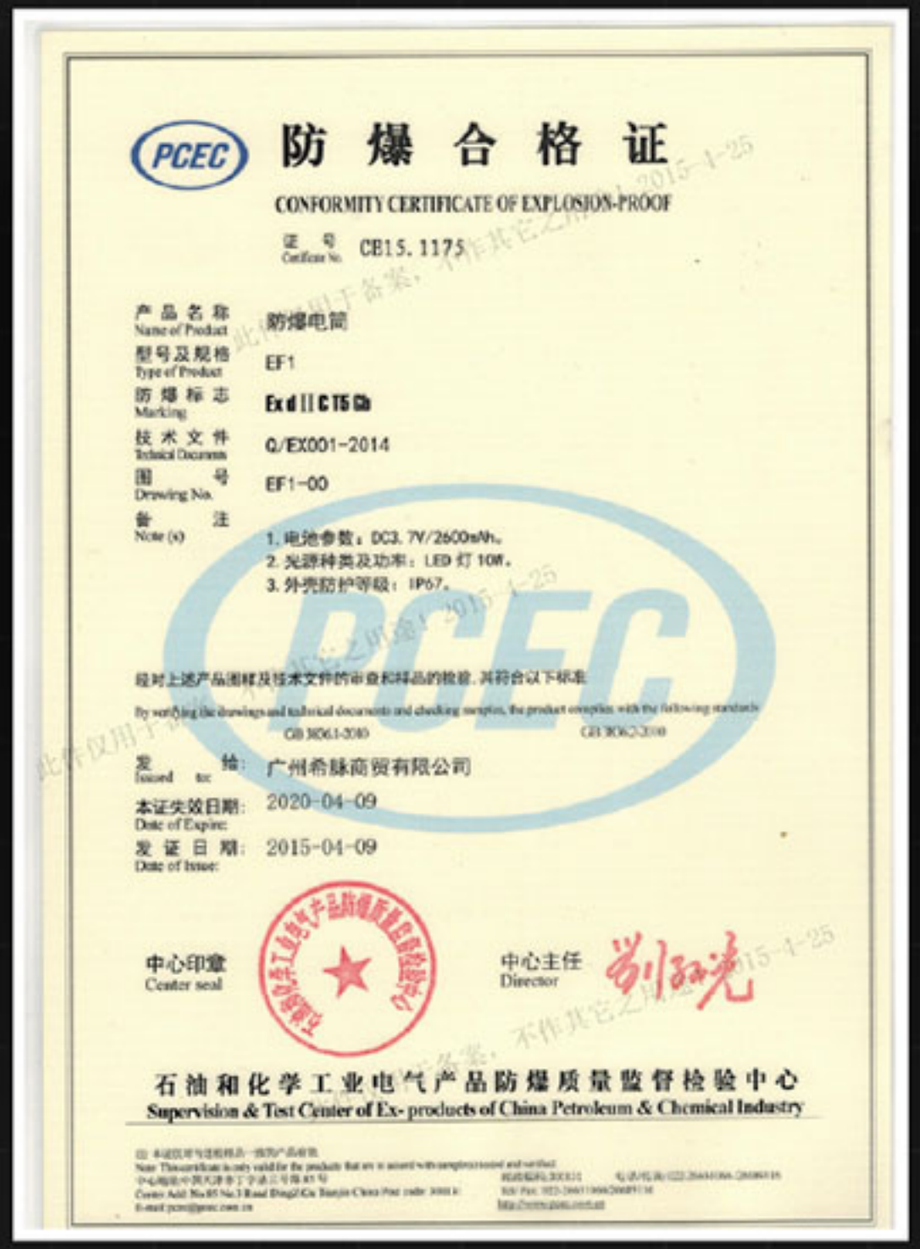
NITECORE®

EF1 EXPLOSION-PROOF FLASHLIGHT

- Designed for hazardous industries including land and marine petroleum exploitation, petrochemical and chemical industries
- Type II non-mine explosion-proof electrical appliance

(Mark: Ex d II C T5 Gb)



防 爆 合 格 证

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

证 号 Certificate No. CB15.1175

产品名称 Name of Product	防爆电筒
型号及规格 Type of Product	EF1
防爆标志 Marking	Ex d II C T5 Gb
技术文件 Technical Documents	Q/EX001-2014
图 号 Drawing No.	EF1-00
备 注 Note (s)	1. 电池参数：DC3.7V/2600mAh。 2. 光源种类及功率：LED 灯 10W。 3. 外壳防护等级：IP67。

经对上述产品图样及技术文件的审查和样品的检验，其符合以下标准

By verifying the drawings and technical documents and checking samples, the product complies with the following standards

GB 3836.1-2010 GB 3836.2-2010

发 给 Issued to: 广州希脉商贸有限公司

本证失效日期 Date of Expire: 2020-04-09

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中心印章 Center seal

中心主任 Director

石油和化学工业电气产品防爆质量监督检验中心

Supervision & Test Center of Ex-products of China Petroleum & Chemical Industry

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EF1 EXPLOSION-PROOF FLASHLIGHT

Mark: Ex d II C T5 Gb

EF1 Explosion-proof flashlight is accredited by the Tianjin Supervision & Test Center of Ex-products of China Petroleum & Chemical Industry (PCEC).

PCEC is an electrical safety testing laboratory approved by the National Certification and Accreditation Regulatory Commission (CNAS) and the International Electro-technical Commission, and authorized by the Chinese Classification Society (CCS) and the Chinese Petroleum and Chemical Industry Association. PCEC has cooperation and mutual recognition with French Central Laboratory (LCIE), German Federal Institute of Physics and Technology (PTB), Russian Anti-Explosion and Mine Electrical Equipment Certification Center (CCVE), Norway Classification Society (DNV), German Technischer Uberwachungs Verein (TUV), and United States FM Approvals. It is one of the International Electro-technical Commission IECEx Explosion-proof Electrical Testing laboratories.

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EF1 EXPLOSION-PROOF FLASHLIGHT

There are approximately 4,000 types of gas and vapor that are inflammable and/or explosive in hazardous industries like land and marine petroleum exploitation, petrochemical industry and pharmaceutical industry, especially in their production, storage and transportation sections where complexity increases. EF1 explosion-proof flashlight is designed to provide safe and uncompromised illumination for these industries.

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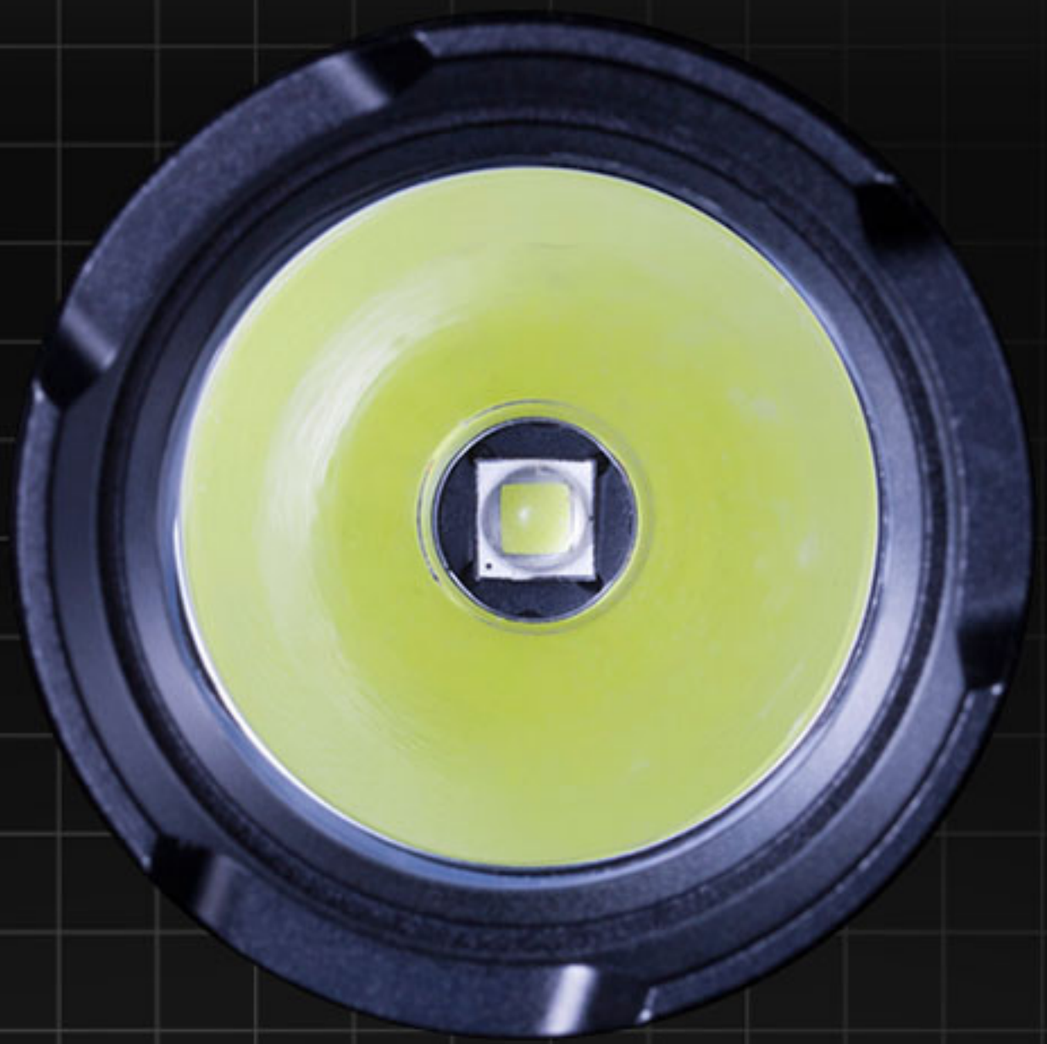
EF1 EXPLOSION-PROOF FLASHLIGHT

EF1 explosion-proof flashlight introduces aerospace grade aluminum alloy to its body construction, and achieves a body thickness of 3mm (20% thicker than ordinary flashlights). Together with the 10mm-thick epoxy resin explosion-suppressive optical lens, EF1 can provide secured illumination in hazardous areas (Zone 1, Zone 2, and Type IIA, IIB, IIC, and T1-T5 Levels, as GB3836 rated), and indoor/outdoor operations (such as factories, stations, stadiums, railway tunnels, culverts) for electricity, smelting, railway, mine, port and civil construction industries. EF1's explosion-proof class is IIC. Its Equipment Protection Level is Gb.



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EF1 EXPLOSION-PROOF FLASHLIGHT

EF1 utilizes a CREE XM-L2 U3 LED

to boast a peak beak intensity of 830 lumens and

enables a maximum runtime up to 50,000 hours.

NITECORE®

EF1 EXPLOSION-PROOF FLASHLIGHT

Integrated "Precision Digital Optics Technology"
provides extreme reflector performance

Peak Beam Intensity

18,300cd

Maximum Beam Distance

270m

Sliding control switch provides rapid and accurate one-hand brightness adjustment.

0 - Standby Mode
1 - LOW
2 - MID
3 - HIGH

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EF1 EXPLOSION-PROOF FLASHLIGHT

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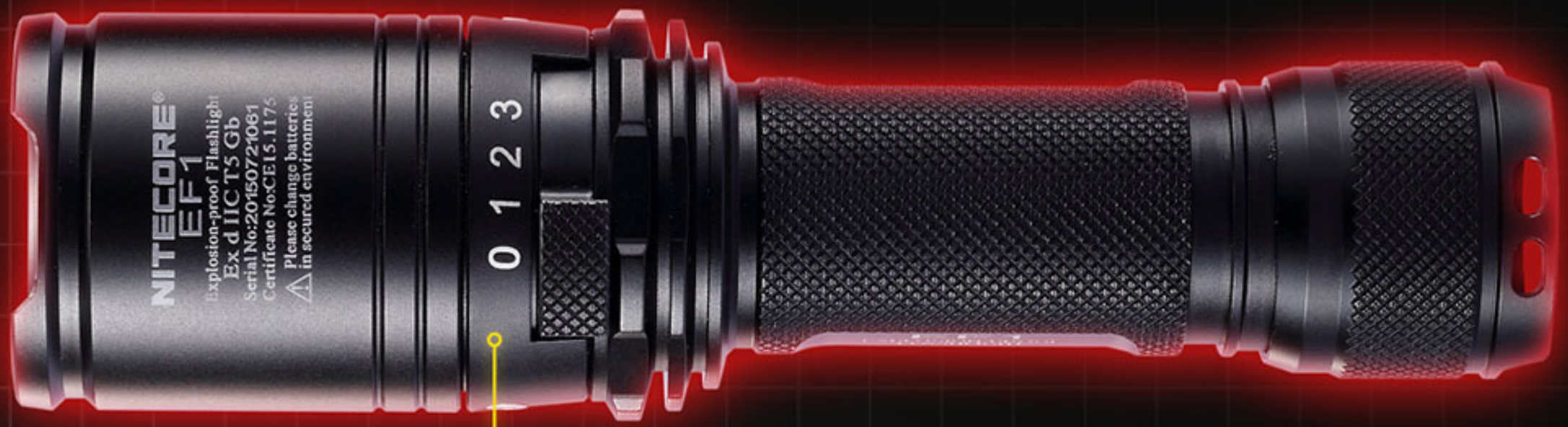
EF1 EXPLOSION-PROOF FLASHLIGHT



Advanced Temperature Regulation (ATR) technology enables dynamically adjustment to output performance according to body temperature.

NITECORE®

EF1 EXPLOSION-PROOF FLASHLIGHT

Robust HAIII military grade hard-anodized surface protects EF1's from corrosions in dampness, high temperature and other adverse environments.

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EF1 EXPLOSION-PROOF FLASHLIGHT

EF1 is powered by one 18650 Li-ion battery or two CR123 batteries.

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EF1 EXPLOSION-PROOF FLASHLIGHT

Dustproof and waterproof in accordance with IP67

NITECORE®
EF1 EXPLOSION-PROOF FLASHLIGHT

Head diameter
1.57"

Tail diameter
1.26"

Length
6"

Weight
8.82oz
(without battery)

EF1 SPEC.

FLI STANDARD	HIGH	MID	LOW
	830 Lumens	320 Lumens	4 Lumens
18650 × 1	1 h 45 min	3 h	150 h
CR123 × 2	1 h 30 min	2 h 45 min	60 h
	270m (Beam Distance)		
	18,300cd (Peak Beam Intensity)		
	1.5m (Impact Resistant)		
	IP67 (Dustproof And Waterproof)		

The stated data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1, using 1 x Nitecore 18650 battery (3.7V, 2600mAh) or 2 x Nitecore CR123 batteries (3V, 1700mAh) under laboratory conditions. The data may vary in real-world use due to different battery use or environmental conditions.

NITECORE®

EF1 EXPLOSION-PROOF FLASHLIGHT

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Features

- Designed for hazardous industries including land and marine petroleum exploitation, petrochemical and chemical industries
- Constructed from aerospace grade aluminum alloy with distinctive 3mm body thickness
- Integrating a 10mm epoxy resin explosion-suppressive optical lens
- Type II Non-mine explosion-proof electrical appliance
- Class D explosion suppressive flashlight
- IIC explosion-proof grade
- Sliding control switch providing rapid and accurate one-hand brightness adjustment
- Featuring Advanced Temperature Regulation (ATR) technology to dynamically adjust output performance according to body temperature
- Utilizing a CREE XM-L2 U3 LED
- Powered by 1 x 18650 Li-ion battery for a maximum output up to 830 lumens
- High-efficiency regulation circuit providing unwavering output
- Robust HAIII military grade hard-anodized
- Waterproof in accordance with IP-67
- 1.5 meters impact resistance
- Tail stand capability

EF1 EXPLOSION-PROOF FLASHLIGHT