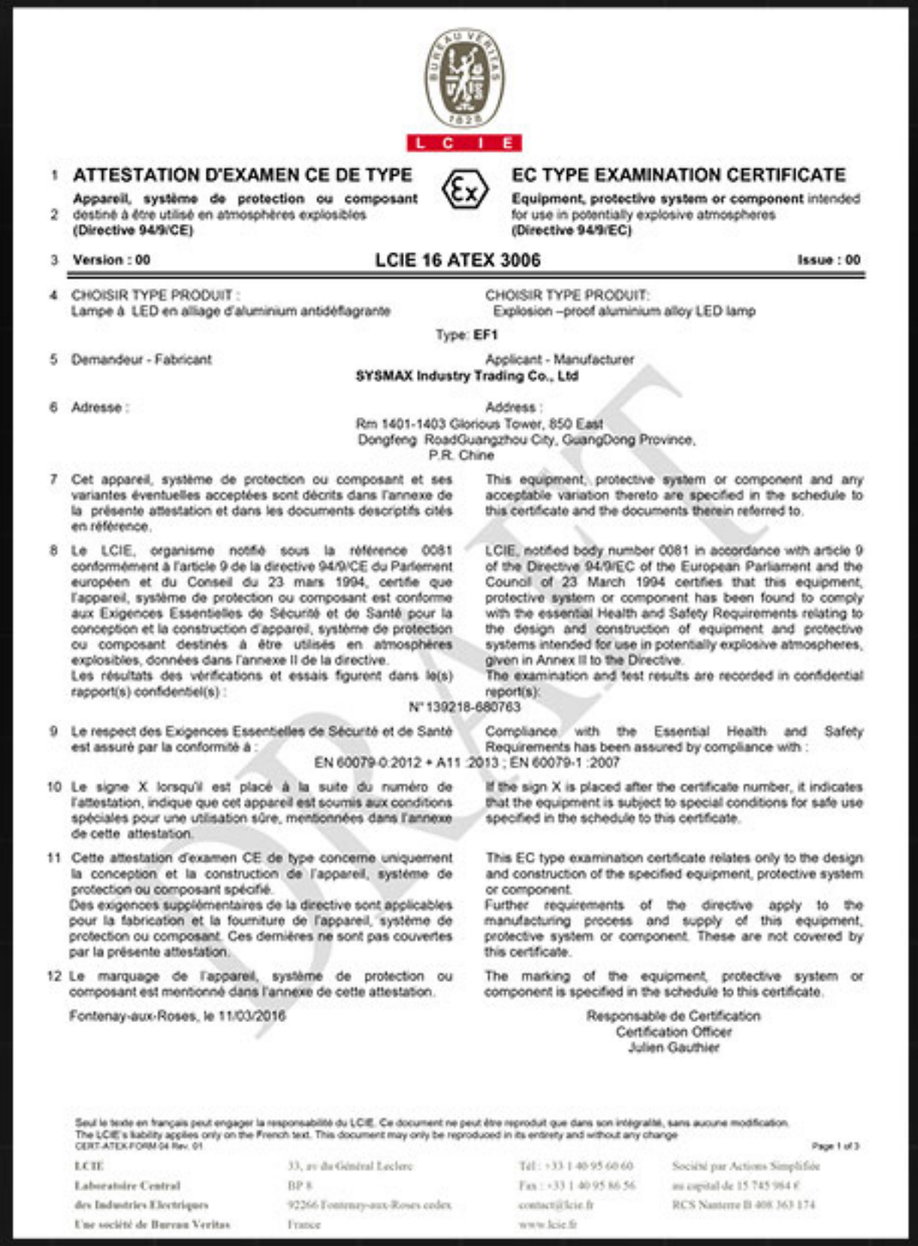
NITECORE®

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

ATEX Mark:

Ex II 2 G Ex d IIC T6 Gb



LCIE

1 **ATTESTATION D'EXAMEN CE DE TYPE**

EC TYPE EXAMINATION CERTIFICATE

2 **Appareil, système de protection ou composant** destiné à être utilisé en atmosphères explosibles **(Directive 94/9/CE)**

Equipment, protective system or component intended for use in potentially explosive atmospheres **(Directive 94/9/EC)**

3 **Version : 00** **LCIE 16 ATEX 3006** **Issue : 00**

4 CHOISIR TYPE PRODUIT :
Lampe à LED en alliage d'aluminium antidéflagrante

CHOISIR TYPE PRODUIT:
Explosion –proof aluminium alloy LED lamp

Type: **EF1**

5 Demandeur - Fabricant

Applicant - Manufacturer
SYSMAX Industry Trading Co., Ltd

6 Adresse :

Address :
Rm 1401-1403 Glorious Tower, 850 East Dongfeng RoadGuangzhou City, GuangDong Province, P.R. Chine

7 Cet appareil, système de protection ou composant et ses variantes éventuelles acceptées sont décrits dans l'annexe de la présente attestation et dans les documents descriptifs cités en référence.

This equipment, protective system or component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 Le LCIE, organisme notifié sous la référence 0081 conformément à l'article 9 de la directive 94/9/CE du Parlement européen et du Conseil du 23 mars 1994, certifie que l'appareil, système de protection ou composant est conforme aux Exigences Essentielles de Sécurité et de Santé pour la conception et la construction d'appareil, système de protection ou composant destinés à être utilisés en atmosphères explosibles, données dans l'annexe II de la directive.
Les résultats des vérifications et essais figurent dans le(s) rapport(s) confidentiel(s) :

LCIE, notified body number 0081 in accordance with article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994 certifies that this equipment, protective system or component has been found to comply with the essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.
The examination and test results are recorded in confidential report(s):

N° 139218-680763

9 Le respect des Exigences Essentielles de Sécurité et de Santé est assuré par la conformité à :

Compliance with the Essential Health and Safety Requirements has been assured by compliance with :

EN 60079-0:2012 + A11 :2013 ; EN 60079-1 :2007

10 Le signe X lorsqu'il est placé à la suite du numéro de l'attestation, indique que cet appareil est soumis aux conditions spéciales pour une utilisation sûre, mentionnées dans l'annexe de cette attestation.

If the sign X is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 Cette attestation d'examen CE de type concerne uniquement la conception et la construction de l'appareil, système de protection ou composant spécifié.
Des exigences supplémentaires de la directive sont applicables pour la fabrication et la fourniture de l'appareil, système de protection ou composant. Ces dernières ne sont pas couvertes par la présente attestation.

This EC type examination certificate relates only to the design and construction of the specified equipment, protective system or component.
Further requirements of the directive apply to the manufacturing process and supply of this equipment, protective system or component. These are not covered by this certificate.

12 Le marquage de l'appareil, système de protection ou composant est mentionné dans l'annexe de cette attestation.

The marking of the equipment, protective system or component is specified in the schedule to this certificate.

Fontenay-aux-Roses, le 11/03/2016

Responsable de Certification
Certification Officer
Julien Gauthier

LCIE
Laboratoire Central
des Industries Electriques
Une société de Bureau Veritas

33, av du Général Leclerc
BP 8
92266 Fontenay-aux-Roses cedex
France

Tél : +33 1 40 95 60 60
Fax : +33 1 40 95 86 56
contact@lcie.fr
www.lcie.fr

Société par Actions Simplifiée
au capital de 15 745 984 €
RCS Nanterre B 408 363 174

NITECORE®

EF1 EXPLOSION-PROOF FLASHLIGHT

ATEX Mark:

Ex II 2 G Ex d IIC T6 Gb

The EF1 Explosion-proof flashlight is accredited by the LCIE Bureau Veritas following the Directive 94/9/EC as electrical, electromechanical and/or mechanical equipment meant to be used in potentially explosive atmospheres.

LCIE is a branch of Bureau Veritas. Bureau Veritas is a global leader founded in 1828, and specialized in Testing, Inspection and Certification (TIC), delivering high quality services to help clients meet the growing challenges of quality, safety, environmental protection, and social responsibility. Bureau Veritas offers innovative solutions that go beyond simple compliance with regulations and standards, reducing risk, improving performance and promoting sustainable development.

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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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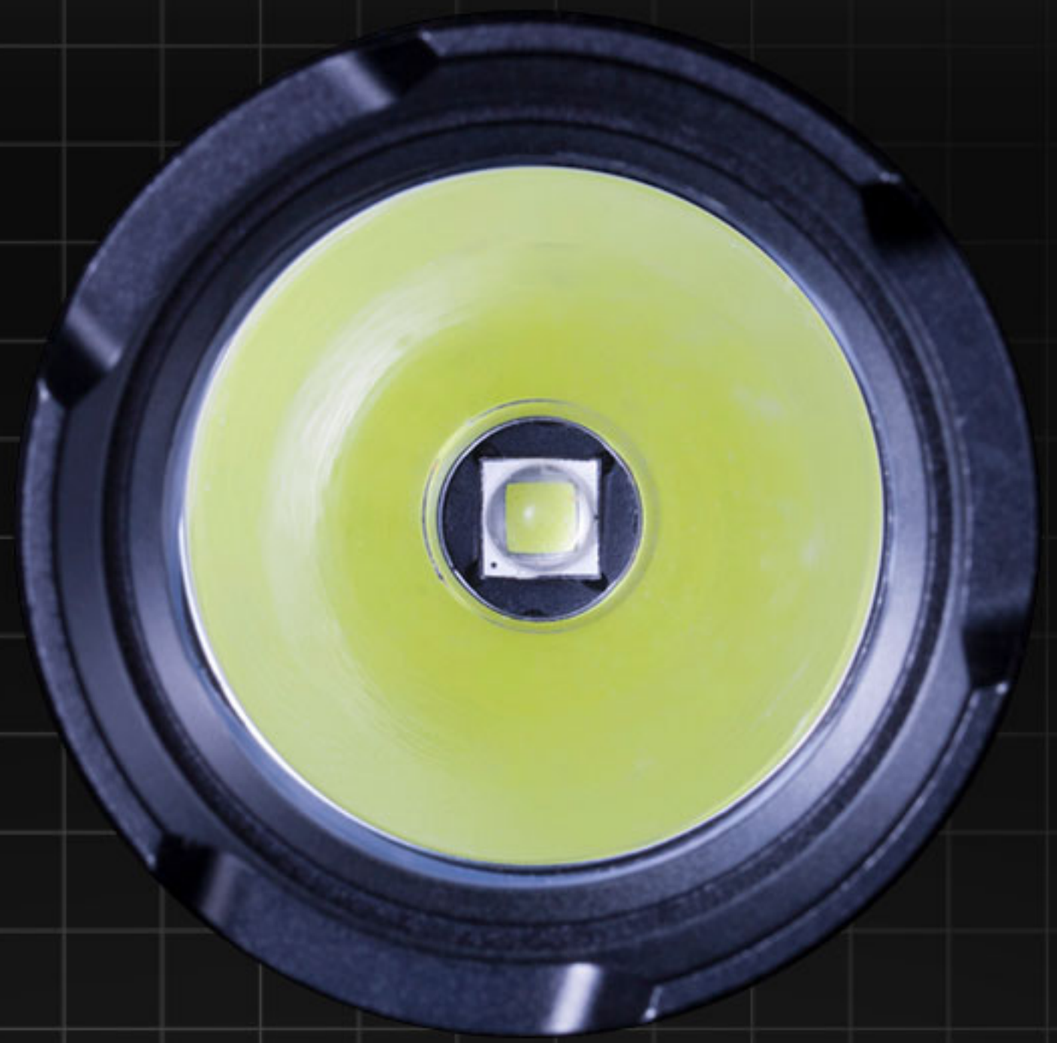
EF1 EXPLOSION-PROOF FLASHLIGHT

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, 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, with Level T6 highest surface temperature (85℃).



NITECORE®

EF1 EXPLOSION-PROOF FLASHLIGHT

EF1 utilizes a CREE XM-L2 U3 LED

to boast a peak beak intensity of 830 lumens and

lifespan 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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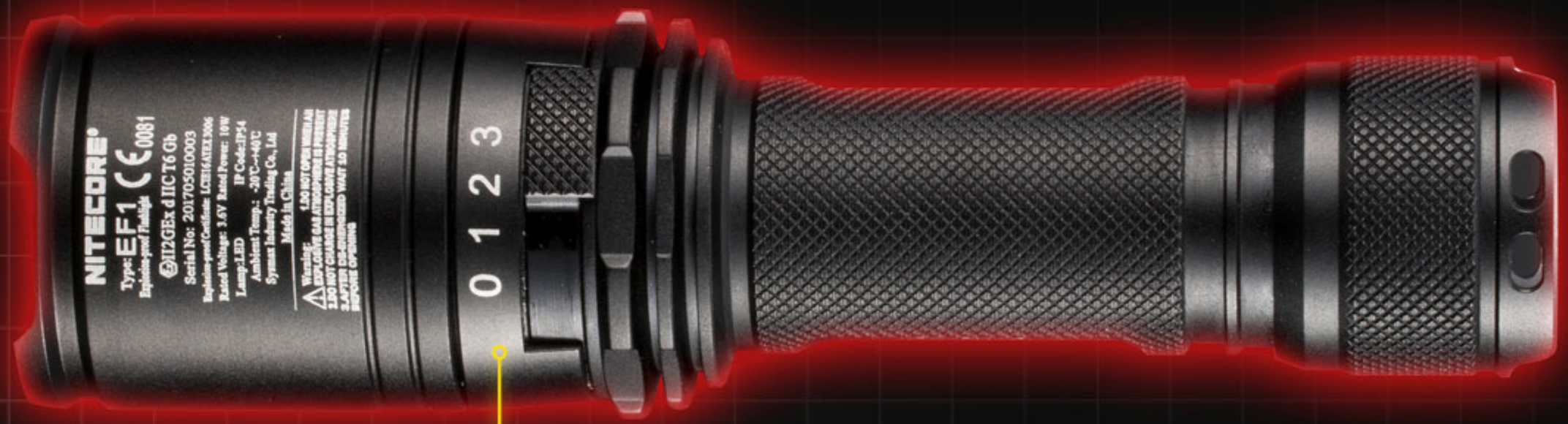
EF1 EXPLOSION-PROOF FLASHLIGHT



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 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

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EF1 EXPLOSION-PROOF FLASHLIGHT

Dustproof and waterproof in accordance with IP54

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
	270m (Beam Distance)		
	18,300cd (Peak Beam Intensity)		
	1.5m (Impact Resistant)		
	IP54 (Dustproof And Waterproof)		

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

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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
- Allowing highest surface temperature of 85℃ (T6 Standard)
- 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 IP54
- 1.5 meters impact resistance
- Tail stand capability

EF1 EXPLOSION-PROOF FLASHLIGHT