



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx LCIE 15.0068X

Issue No: 2

Certificate history:

[Issue No. 2 \(2019-04-23\)](#)

[Issue No. 1 \(2018-02-20\)](#)

[Issue No. 0 \(2016-10-20\)](#)

Status: **Current**

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Date of Issue: **2019-04-23**

Applicant: **Sunleem Technology Incorporated Company**
No.15, Xihenggang Street, Yangchenghu Town, Xiangcheng District, Suzhou, Jiangsu,
China. 215138
China

Equipment: **Explosion protected fluorescent fittings - Type: BYD703-*x*****

Optional accessory:

Type of Protection: **Ex d e, Ex tb**

Marking:

Ex d e IIC T4 Gb

Ex tb IIIC T80°C Db

IECEx LCIE 15.0068 X

See attachment for full marking.

Approved for issue on behalf of the IECEx
Certification Body:

Jérôme REYSSON

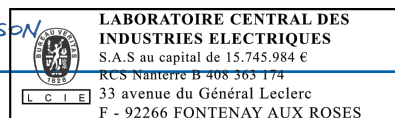
Position:

Certification Officer

Signature:
(for printed version)

Date:

2019-04-23



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France





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Manufacturer: **Sunleem Technology Incorporated Company**
No.15, Xihenggang Street, Yangchenghu Town, Xiangcheng District, Suzhou, Jiangsu, China. 215138
China

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[FR/LCIE/ExTR15.0153/00](#)

[FR/LCIE/ExTR19.0035/00](#)

Quality Assessment Report:

[DE/TUR/QAR18.0015/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The equipment is explosion protected fluorescent fitting which mainly consists of:

- a plastic enclosure with light-transmitting cover and sealing gaskets,
- three entries blocked by stopping plugs,
- a rotor shaft interlocked with an explosion proof limit switch,
- one or two fluorescent tubes associated with two or four G5 or G13 lamp holders,
- “Ex e” certified terminals type UK5N (IECEx KEM 06.0034U) or type USLKG 5 (IECEx KEM 06.0035U),
- an explosion proof battery pack,
- an explosion proof electronic ballast with emergency function (optional).

See attachment for more details.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The entries of the equipment shall be equipped with Ex certified cable gland or blanking element with compatible modes of protection for the intended use.
- If the diametrical clearance of operating arm is liable to be enlarged as a result of wear in normal service, the whole explosion-proof limit switch shall be replaced.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 01:

Modification of QAR reference (LCIE file #153462).

Issue 02:

Manufacturer name and applicant address change.

Modification of QAR reference.

Annex:

[Annex 01 to Certificate IECEx LCIE 15.0068 X issue 02.pdf](#)



Annex 01 to Certificate IECEx LCIE 15.0068 X issue 02



MARKING

Sunleem Technology Incorporated Company

Address: ...

Type: BYD703-*x***

Serial number: ...

Year of construction: ...

Ex d e IIC T4 Gb

Ex tb IIIC T80°C Db

IECEx LCIE 15.0068 X

-25°C ≤ Ta ≤ +55°C

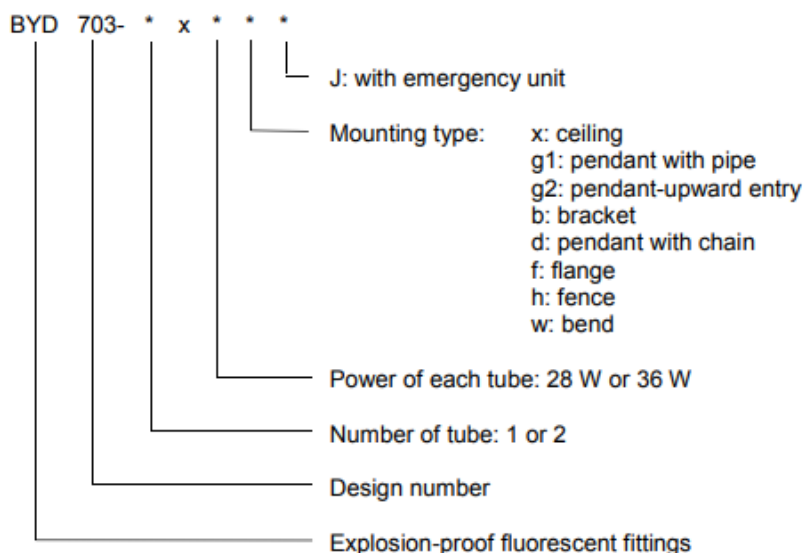
WARNING – DO NOT OPEN WHEN ENERGIZED

WARNING – DO NOT OPEN IN EXPLOSIVE ATMOSPHERES

WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS

WARNING – LIVE PARTS BEHIND COVER – DO NOT CONTACT

RANGE DETAILS



RATINGS

Rated Voltage: 100~240V AC, 50/60 Hz

Light source parameters:

- PHILIPS TLD HE 28W/865 or TLD 36W/865,
- OSRAM L 28W/865 or L 36W/865.

Ballast type:

- BAAA2056M010B (28W), BAAA2056F01 (28W),
- BAAA2080M010B (36W), BAAA2080F01 (36W).

Battery type: 6-KRHT33/62 ; nominal voltage = 7.2 V ; nominal capacity = 6 Ah

ROUTINE TESTS

- Each equipment shall be submitted to a static overpressure test under 1.2 MPa for ballast enclosure and 1.5 MPa for battery enclosure during minimum 10 seconds in accordance with clause 16.1 of IEC 60079-1:2007 standard.
- Each equipment shall be submitted to a dielectric strength test under 1500 V r.m.s carried out in accordance with clause 6.1 of IEC 60079-7:2007 standard.