



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx EXV 21.0040X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2021-05-28

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

Equipment: **Explosion-proof Fluorescent Fittings Type BYD703 - *x*****

Optional accessory:

Type of Protection: **Flameproof Ex 'db', Increased safety Ex 'eb', Enclosure Ex 'tb'**

Marking: Ex db eb IIC T4 Gb
Ex tb IIC T80°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Sean Clarke CEng MSc FIET

Position:

Certification Manager

Signature:
(for printed version)

Date:

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 www.iecex.com or use of this QR Code.



Certificate issued by:

ExVeritas Limited
Units 16-18 Abenbury Way
Wrexham Ind. Est.
Wrexham LL 139UZ
United Kingdom





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

Additional
manufacturing
locations:

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:4

This Certificate **does not** indicate compliance with 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:

[GB/EXV/ExTR21.0054/00](#)

Quality Assessment Report:

[DE/TUR/QAR18.0015/01](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The BYD703-*x*** explosion-protected fluorescent fitting consists of mainly 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).

Refer to attachment for more details

SPECIFIC CONDITIONS OF USE: YES as shown below:

Special Conditions for Safe Use

- WARNING - DO NOT OPEN WHEN ENERGIZED.
- WARNING - POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS

Conditions for Use (Routine tests) Manufacturer's responsibility

- Each apparatus shall be submitted to a static overpressure test of 1.2 MPa for a minimum of 10 seconds in accordance with clause 16.1 of EN 60079-1:2014

Annex:

[Annex ExV 21.0040X.pdf](#)