



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 20.0054X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2021-01-06

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

Equipment: **Explosion-proof light fittings Type CCd92-I and CCd92-III**

Optional accessory:

Type of Protection: **Flameproof Ex 'db' & Enclosure Ex 'tb'**

Marking: Ex db IIC T* Gb
Ex tb IIIC T* 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
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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

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/ExTR20.0092/00](#)

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

CCd92 series explosion-proof light fittings are of type "d" and "tb". The enclosure material is aluminium alloy. The material of light transmitting part is toughened glass. The explosion-proof light fitting is comprised of a wire sleeve, an enclosure cover, an enclosure, an enclosure ring and a toughened glass cover, and divided into three compartments: terminal, ballast and light source compartment. Terminals are in the terminal compartment; a ballast, a capacitor and a trigger (for high pressure sodium lamp and metal halide lamp) are installed in the ballast compartment; A lamp holder and a bulb are in the light source compartment. The wire-through part between ballast compartment and light source compartment are encapsulated. One cable entry is provided in the wire sleeve for connection. CCd92 series explosion-proof light fittings includes two types: CCd92- I and CCd92-III. The structure of these two types are the same. Whereas the net volume of CCd92-I explosion-proof light fittings is smaller than the net volume of CCd92-III explosion-proof light fittings. So CCd92-III explosion-proof light fittings are chosen as representative samples

Refer to attachment for Nomenclature & T Class info

SPECIFIC CONDITIONS OF USE: YES as shown below:

Special Conditions for Safe Use

- Repair of the threaded joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in table 3 and table 4 of IEC 60079-1.
- WARNING - AFTER DE-ENERGIZING, DELAY 10 MINUTES BEFORE OPENING.
- WARNING - DO NOT OPEN WHEN ENERGIZED.
- WARNING - POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS.
- CAUTION - USE FASTENERS WITH YIELD STRESS $\geq 450\text{MPa}$.
- The explosion-proof lightings are intended to be vertically mounted at a maximum of 60 degrees from the vertical

Conditions for Use (Routine tests/Manufacturers responsibility)

- Static overpressure test is conducted according to Clause 16 of IEC 60079-1:2014.

Annex:

[IECEx Annex ExV 20.0054X_1.pdf](#)