



IECEx Certificate of Conformity

Certificate No.: **IECEx TUR 19.0066X**

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Date of issue: 2020-03-19

Issue No: 0

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

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:

[DE/TUR/ExTR19.0066/00](#)

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Equipment: Explosion-proof LED Lighting

Model: ELL601 Series

ELL601 Series Explosion-proof LED Lighting (hereinafter referred to as LED Lighting) can be used in Zone 1, Zone 2 hazardous areas of Group II where gas group IIA, IIB and Hydrogen explosive gas or vapor atmosphere for temperature classification T6/T5, and Zone 21, Zone 22 hazardous areas with combustible dust atmospheres.

The temperature classification of the equipment and Ambient temperature range:

T6/T80°C: $-55^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$

T5/T95°C: $-55^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$

Degree of Protection: IP66

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Under explosive dust circumstances, the enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with a damp cloth.
2. The mechanical property class of the fasteners which are relevant to the flameproof joint should be at least A*-70 (the yield stress of those fasteners must be at least 450 MPa).

Annex:

[DE-IECEx_TUR_19.0066_00_Attachment.pdf](#)



Attachment to Certificate
IECEX TUR 19.0066X
Revision 0



Attachment to Certificate IECEX TUR 19.0066X

Device: Explosion-proof LED Lighting
Type(s): ELL601 Series

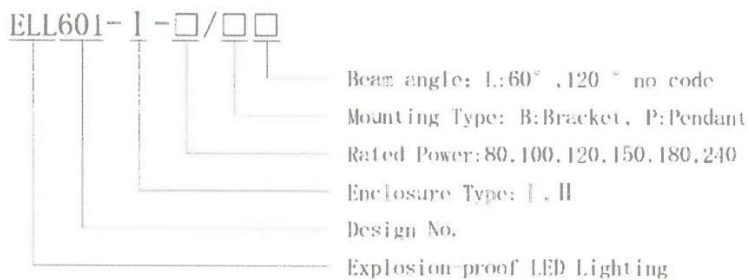
Manufacturer: Sunleem Technology Incorporated Company

Address: No.15 Xihenggang Street, Yangchenghu Town, Xiangcheng District, Suzhou, Jiangsu, China

General product information:

ELL601 Series Explosion-proof LED Lighting (hereinafter referred to as LED Lighting) can be used in Zone 1, Zone 2 hazardous areas of Group II where gas group IIA, IIB and Hydrogen explosive gas or vapor atmosphere for temperature classification T6/T5, and Zone 21, Zone 22 hazardous areas with combustible dust atmospheres.

Catalogue number logic



Technical data

Electrical data

Produce type	Input	System power	Lumen Output	Color temp
ELL601-I	90 ~ 305VAC 50/60Hz	80W	12000 Lm	Cool White 4700~7000K Neutral White 3700~4700K Warm White 2600~3700K
		100W	15000 Lm	
		120W	17500 Lm	
ELL601-II		150W	23000 Lm	
		180W	27500 Lm	
		240W	35000 Lm	

Environmental data

Ambient temperature: $-55^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}/+55^{\circ}\text{C}$

Ingress protection: IP66



Attachment to Certificate
IECEx TUR 19.0066X
Revision 0

“Specific Conditions of Use” for Ex Equipment:

1. Under explosive dust circumstances, the enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with a damp cloth.
2. The mechanical property class of the fasteners which are relevant to the flameproof joint should be at least A*-70 (the yield stress of those fasteners must be at least 450 MPa).



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INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx TUR 19.0066X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-03-19

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

Equipment: **Explosion-proof LED Lighting**

Optional accessory: Type: ELL601 Series

Type of Protection: **Flameproof enclosures "db" and Equipment dust ignition protection by enclosure "tb"**

Marking: Ex db IIB+H2 T* Gb
Ex tb IIIC T* Db IP66

Approved for issue on behalf of the IECEx
Certification Body:

Dipl.-Ing. He Mei

Position:

Assigned certifier

Signature:
(for printed version)

He Mei

Date:

2020-03-19

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:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany

