



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 SEV 21.0038X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 1	Issue 0 (2021-12-03)
Date of Issue:	2021-12-24		
Applicant:	Shenzhen CESP Co., Ltd. 6th Fl Wangcheng Bldg Longhua St Longhua District Shenzhen, Guangdong, 518109 China		
Equipment:	LED luminaries, CES-EX-LN-02P series		
Optional accessory:			
Type of Protection:	e, m, t		
Marking:	Ex eb mb IIC T5 Gb Ex tb IIIC T75 °C Db		

Approved for issue on behalf of the IECEx
Certification Body:

Martin Plüss

Position:

Manager Product Certification

Signature:
(for printed version)

Date:
(for printed version)

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:

Eurofins Electric & Electronic Product Testing AG
Luppenstrasse 3
8320 FEHRALTORF .
Switzerland



E&E



IECEx Certificate of Conformity

Certificate No.: **IECEx SEV 21.0038X**

Page 2 of 4

Date of issue: 2021-12-24

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Manufacturer: **Shenzhen CESP Co., Ltd.**
6th Fl Wangcheng Bldg Longhua St Longhua District
Shenzhen, Guangdong, 518109
China

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 60079-18:2017 Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

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

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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:

CH/SEV/ExTR21.0039/01

Quality Assessment Report:

NO/DNV/QAR21.0015/00



IECEx Certificate of Conformity

Certificate No.: **IECEx SEV 21.0038X**

Page 3 of 4

Date of issue: 2021-12-24

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

LED luminaries, CES-EX-LN-02P series

The CES-EX-LN-02P series LED luminaires are composed of main part and two side covers. One thread entry is located on one side cover and it shall be equipped with Ex eb cable glands meeting at least IP66. The LED luminaires have "eb" chamber equipped with "mb" lighting chamber and "mb" LED power driver. The LED PWB encapsulated with sealing compound is installed in lighting chamber while the encapsulated power driver and terminal block are incorporated in power driver chamber. PC transparent hood is fixed on the top of the main part. Internal earthing and external bonding are both provided.

The degree of protection of the enclosure is IP66, according to IEC/EN 60079-0 and IEC/EN 60529.

Rating: AC 100 - 277 V, 50/60 Hz, 20 W / 30 W / 40 W / 50 W / 60 W / 70 W / 80 W / 100 W

Classification of installation and use: stationary

Ingress protection: IP66

Rated ambient temperature range (°C): -40 °C to +50 °C

Rated ambient temperature range (°C) for Ex Components: N/A

SPECIFIC CONDITIONS OF USE: YES as shown below:

For installation use only suitably certified Ex eb IIC Gb cable glands.

The enclosure made by non-metallic material is considered to have electrostatic hazard and shall not be rubbed or cleaned with dry cloth in hazardous area.

Warnings:

WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT

WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTION

WARNING – DO NOT OPEN WHEN ENERGIZED



IECEX Certificate of Conformity

Certificate No.: **IECEX SEV 21.0038X**

Page 4 of 4

Date of issue: 2021-12-24

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Insert of ratings