



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 UL 22.0091X Page 1 of 3 [Certificate history:](#)

Status: Current Issue No: 0

Date of Issue: 2022-11-29

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

Equipment: LED Luminaires, Models CES-EX-GB-02-**-**-**-**-*; CES-EX-LN-02-**-**-**-**-*

Optional accessory:

Type of Protection: Increased Safety "ec", Dust Ignition Protection by Enclosure "tb"

Marking: CES-EX-GB-02 series:
Ex ec IIC T4 Gc
Ex tb IIIC T79°C Db

CES-EX-LN-02 series:
Ex ec IIC T4/T5 Gc
Ex tb IIIC T83°C Db
Ex ec IIC T3 Gc
Ex tb IIIC T89°C Db

-40°C ≤ Ta ≤ +40°C
-40°C ≤ Ta ≤ +45°C or
-40°C ≤ Ta ≤ +50°C

Approved for issue on behalf of the IECEx
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

Signature:
(for printed version)

Date:
(for printed version)

2022-11-29

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.
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Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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

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

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 60079-31:2013](#) 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:

[US/UL/ExTR22.0094/00](#)

Quality Assessment Report:

[NO/DNV/QAR21.0015/00](#)



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Date of issue: 2022-11-29

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Models CES-EX-GB-02 series and CES-EX-LN-02 series of LED luminaires are suitable for use in hazardous location classified as Zone 2 and Zone 21.

Models CES-EX-GB-02 series consists of three "ec"/"tb" compartments: one LED compartment, one LED driver compartment, one Junction box compartment. Models CES-EX-LN-02-x-01-y-z-D (x=40, 50 or 60) consists of two "ec"/"tb" compartments: one LED compartment, one LED driver compartment.

Models CES-EX-LN-02-x-01-y-z-D (x=80, 100, 120 or 150) consists of three "ec"/"tb" compartments: two LED compartments, one LED driver compartment.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- DO NOT OPEN WHEN ENERGIZED.
- POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS.
- DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.

Annex:

[Annex to IECEx UL 22.0091X Issue 0.pdf](#)



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TYPE DESIGNATION

Nomenclature for Luminaires:

The complete luminaire catalogue number example is as follows:

Models	CES	-EX	-GB	-02	-30	-02	-01	-01	-D
	1	2	3	4	5	6	7	8	9

1 – Designates company identification
CES – SHENZHEN CESP

2 – Designates category of luminaire
EX – Hazardous Locations

3 – Designates shape of luminaire
GB – Roundness (For CES-EX-GB series)
LN – Linear (For CES-EX-LN series)

4 – Design number: 02 – For all luminaires

5 – Designates luminaire wattage
For CES-EX-GB series: 30 – 30W; 40 – 40W; 60 – 60W; 80 – 80W
For CES-EX-LN series: 40 – 40W; 50 – 50W; 60 – 60W; 80 – 80W; 100 – 100W; 120 – 120W; 150 – 150W

6 – Designates the configuration
01 – Line (For CES-EX-LN series)
02 – Roundness (For CES-EX-GB series)

7 – Designates CCT (Correlated Color Temperature) of LED light
01 – 3000K
02 – 4000K
03 – 6500K
04 – 5000K
05 – 5700K

8 – Mounting Means
01 – Ceiling Mount
02 – Wall Mount
03 – Pole Mount (For CES-EX-GB series)
03 – Drop Mount (For CES-EX-LN series)
04 – Drop Mount (For CES-EX-GB series only)

9 – May be any digits or alphabet for internal use
D - May be any digits or alphabet for internal use



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PARAMETERS RELATING TO THE SAFETY

Electrical Rating:

Models	Voltage (Vac)	Frequency (Hz)	Wattage (W)
CES-EX-GB-02-x-02-y-z-D(*)	100-277	50/60	30/40/60/80
CES-EX-LN-02-x-01-y-z-D(@)	100-277	50/60	40/50/60/80/100/120/150

(*) x can be 30, 40, 60 or 80; y can be 01, 02, 03, 04 or 05; z can be 01, 02, 03 or 04; D can be any digits or alphabet.
(@) x can be 40, 50, 60, 80, 100, 120, 150; y can be 01, 02, 03, 04 or 05; z can be 01, 02 or 03; D can be any digits or alphabet.



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MARKING

Marking has to be readable and indelible; it has to include the following indications:

For model CES-EX-GB-02-x-02-y-z-D (x=30 or 40, y can be 01, 02, 03, 04 or 05; z can be 01, 02, 03 or 04; D can be any digits or alphabet)

For model CES-EX-GB-02-x-02-y-z-D (x=60 or 80, y can be 01, 02, 03, 04 or 05; z can be 01, 02, 03 or 04; D can be any digits or alphabet)



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CES-EX-LN-02 Series LED Luminaires

ATEX Certificate No: UL 22 ATEX 2543X IECEx Certificate No: IECEx UL 22.0091X
UL 22 ATEX 2544X

⊕ II 3 G Ex ec IIC T5 Gc Ex ec IIC T5 Gc
⊕ II 2 D Ex tb IIIC T83°C Db Ex tb IIIC T83°C Db
-40°C ≤ Ta ≤ 40°C Type No: CES-EX-LN-02-x-01-y-z-D

IP66 S/N: _____
Electrical Rating: _____ V _____ A
_____ W _____ Hz

CE 2460

WARNING – DO NOT OPEN WHEN ENERGIZED.
WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS.

SHENZHEN CESP CO., LTD

6TH Fl Wangcheng Bldg Longhua St Longhua District SHENZHEN GUANGDONG CHINA

CES-EX-LN-02 Series LED Luminaires

ATEX Certificate No: UL 22 ATEX 2543X IECEx Certificate No: IECEx UL 22.0091X
UL 22 ATEX 2544X

⊕ II 3 G Ex ec IIC T3 Gc Ex ec IIC T3 Gc
⊕ II 2 D Ex tb IIIC T89°C Db Ex tb IIIC T89°C Db
-40°C ≤ Ta ≤ 40°C Type No: CES-EX-LN-02-x-01-y-z-D

IP66 S/N: _____
Electrical Rating: _____ V _____ A
_____ W _____ Hz

CE 2460

WARNING – DO NOT OPEN WHEN ENERGIZED.
WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS.

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CES-EX-LN-02 Series LED Luminaires

ATEX Certificate No: UL 22 ATEX 2543X IECEx Certificate No: IECEx UL 22.0091X
UL 22 ATEX 2544X

⊕ II 3 G Ex ec IIC T5 Gc Ex ec IIC T5 Gc
⊕ II 2 D Ex tb IIIC T83°C Db Ex tb IIIC T83°C Db
-40°C ≤ Ta ≤ 45 °C Type No: CES-EX-LN-02-x-01-y-z-D

IP66 S/N: _____
Electrical Rating: _____ V _____ A
_____ W _____ Hz

CE 2460

WARNING – DO NOT OPEN WHEN ENERGIZED.
WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
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UL 22 ATEX 2544X

⊕ II 3 G Ex ec IIC T3 Gc Ex ec IIC T3 Gc
⊕ II 2 D Ex tb IIIC T89°C Db Ex tb IIIC T89°C Db
-40°C ≤ Ta ≤ 45 °C Type No: CES-EX-LN-02-x-01-y-z-D

IP66 S/N: _____
Electrical Rating: _____ V _____ A
_____ W _____ Hz

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WARNING – DO NOT OPEN WHEN ENERGIZED.
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CES-EX-LN-02 Series LED Luminaires

ATEX Certificate No: UL 22 ATEX 2543X IECEx Certificate No: IECEx UL 22.0091X
UL 22 ATEX 2544X

⊕ II 3 G Ex ec IIC T4 Gc Ex ec IIC T4 Gc
⊕ II 2 D Ex tb IIIC T83°C Db Ex tb IIIC T83°C Db
-40°C ≤ Ta ≤ 50 °C Type No: CES-EX-LN-02-x-01-y-z-D

IP66 S/N: _____
Electrical Rating: _____ V _____ A
_____ W _____ Hz

CE 2460

WARNING – DO NOT OPEN WHEN ENERGIZED.
WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
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CES-EX-LN-02 Series LED Luminaires

ATEX Certificate No: UL 22 ATEX 2543X IECEx Certificate No: IECEx UL 22.0091X
UL 22 ATEX 2544X

⊕ II 3 G Ex ec IIC T3 Gc Ex ec IIC T3 Gc
⊕ II 2 D Ex tb IIIC T89°C Db Ex tb IIIC T89°C Db
-40°C ≤ Ta ≤ 40°C Type No: CES-EX-LN-02-x-01-y-z-D

IP66 S/N: _____
Electrical Rating: _____ V _____ A
_____ W _____ Hz

CE 2460

WARNING – DO NOT OPEN WHEN ENERGIZED.
WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS.

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CES-EX-LN-02-x-01-y-z-D: x can be 40, 50 or 60; y can be 01, 02, 03, 04 or 05; z can be 01, 02 or 03; D can be any digits or alphabet.

CES-EX-LN-02-x-01-y-z-D: x can be 80, 100, 120 or 150; y can be 01, 02, 03, 04 or 05; z can be 01, 02 or 03; D can be any digits or alphabet.



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ROUTINE EXAMINATIONS AND TESTS

Each piece of equipment defined above has to have successfully passed before delivery:

- In accordance with clause 7.1 of the IEC 60079-7 standard, a dielectric strength test on each luminaire.