



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 DNV 25.0001X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2025-07-02

Applicant: **Shenzhen Goaltek Electric Co., Ltd.**
1901, Building 1, COFCO Yunjing Plaza, Intersection of Songbai Road and Chuangwei Road, Gongming Street,
Guangming New District,
Shenzhen
China

Equipment: **Explosion-Proof Mobile Lighting Equipment (Area Lights)**

Optional accessory:

Type of Protection: **Ex eb, Ex ib, Ex mb, Ex tb**

Marking: Ex eb ib mb IIC T4 Gb
Ex tb IIIC T130°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

Position:

Certification Manager

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:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway





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Page 2 of 3

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Manufacturer: **Shenzhen Goaltek Electric Co., Ltd.**
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Guangming New District,
Shenzhen
China

Manufacturing locations: **Shenzhen Goaltek Electric Co., Ltd.**
1901, Building 1, COFCO Yunjing Plaza, Intersection of Songbai Road and Chuangwei Road, Gongming Street, Guangming New District, Shenzhen
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 60079-11:2023](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:7.0

[IEC 60079-18:2017](#) Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

[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:

[NO/DNV/ExTR25.0001/00](#)

Quality Assessment Report:

[NO/DNV/QAR23.0010/01](#)



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Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description of Product

The ExMP80R or ExMP81R Ex mobile lighting consists of a main enclosure (base), LED lamp head and connection pole/cable between them. The encapsulated battery pack, encapsulated control board, terminals are installed inside the main enclosure. The lamp head can be extended from the main enclosure or retracted back to the main enclosure through the pole.

The ExMP80R and ExMP81R have different size of main enclosure, but all internal parts are the same.

Type designation

See annex.

Electrical Data

Um (for charging): 24 V d.c.

Rated voltage of battery pack: 43.2 V d.c.

Rated capacity of battery pack: 5000 mAh

Degrees of protection (IP Code)

IP66

IP67 (1 m, 30 min) according to IEC 60529

Ambient temperature:

-20°C to +55°C

Routine tests

- Visual inspections shall be carried out according to clause 9.1 of IEC 60079-18.

- A dielectric strength test shall be carried out at 500 V for at least 1 min according to clause 7.1 of IEC 60079-7 or clause 9.2 of IEC 60079-18.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Do not charge the product in hazardous location.

- Do not disassemble the product or replace the battery pack in hazardous location.

- Use only replaceable battery pack 21700-12S1P-01.

Annex:

[IECEX DNV 25.0001X_issue 0_annex.pdf](#)

Annex to certificate: IECEx DNV 25.0001X Issue 0

Type designation

Ex	M	P	□	□	-	□-□-□	
							Not related to Ex
							Type of cell: R: Secondary cell
							Lamp type: 80: Mobile lamp 81: Mobile lamp
							Case material: P: Plastic Mobile Ex product