



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 23.0030X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-09-15

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: **ExMP51R, ExMP52R Explosion-proof Handlamp**

Optional accessory:

Type of Protection: **Ex ib**

Marking: **Ex ib IIC T4 Gb**
Ex ib IIIB T130°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Bjørn Spongsveen

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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Shenzhen
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 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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/ExTR23.0058/00](#)

Quality Assessment Report:

[NO/DNV/QAR23.0010/00](#)



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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 ExMP51R Ex handlamp consists of head and body, the head can rotate with some angle around the shaft/hole in the body. The LED light sources are installed inside the head and the battery pack (four Lithium Ion secondary cells with 2 connected in parallel and then connected in series), several circuit boards are installed inside the body.

The ExMP52R Ex handlamp consists of head and body, the head can rotate with some angle around the shaft/hole in the body. The LED light sources are installed inside the head and a battery pack (three Lithium Ion secondary cells connected in parallel), several circuit boards are installed inside the body.

The product can be charged on the charging base (charger) separately or through an integrated charging system.

Type designation

See annex

Electrical Data

ExMP51R:

Um (for charging): 9 V d.c.
Rated voltage of battery pack: 7.2 V d.c.
Rated capacity of battery pack: 6700 mAh

ExMP52R:

Um (for charging): 5 V d.c.
Rated voltage of battery pack: 3.6 V d.c.
Rated capacity of battery pack: 10050 mAh

Degrees of protection (IP Code)

IP66, IP67 (1 m, 30 min)

Ambient temperature:

-20°C to +55°C for product ExMP51R

-40°C to +55°C for product ExMP52R

Routine tests

None

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Do not charge the product in hazardous location.

- The charger shall be SELV or PELV certified with output voltage of maximum 9 V d.c. for product ExMP51R and 5 V d.c. for product ExMP52R.

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

- Use only respective replaceable battery pack for below products:

Product type	Battery pack
ExMP51R	18650-2S2P-01
ExMP52R	18650-1S3P-01

Annex:

[IECEX DNV 23.0030X_issue 0_annex.pdf](#)

Annex to certificate: IECEx DNV 23.0030X Issue 0

Type designation

Ex	M	P	□	□	-	□	-	□
Option of handle (only for ExMP52R): Blank: Standard handle M: Magnetic handle								
Option of position indicator (only for ExMP52R): 0: Without R: Red G: Green Y: Yellow B: Blue W: White								
Type of cell: R: Secondary cell								
Lamp type: 51: Handlamp 52: Handlamp								
Case material: P: Plastic Mobile Ex product								