



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx CNEX 18.0033X

Issue No: 0

Certificate history:

Issue No. 0 (2018-11-06)

Status: Current

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Date of Issue: 2018-11-06

Applicant: Warom Technology Incorporated Company
No. 555# Baoqian Road, Jiading, Shanghai
China

Equipment: Explosion-proof Tank Inspection Vessel Light Fittings model BAK51-1..

Optional accessory:

Type of Protection: Ex db, tb

Marking:

Ex db IIB T3 Gb

Ex tb IIIC T190°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Wu Jianguo

Position:

Certification Officer

Signature:
(for printed version)

Date:

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 the Official IECEx Website.

Certificate issued by:

CNEX-Global B.V.
Utrechtseweg 310-B38,
6812AR, Arnhem
The Netherlands





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Manufacturer: Warom Technology Incorporated Company
No. 555# Baoqian Road, Jiading, Shanghai
China

Additional Manufacturing location(s):

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 apparatus 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 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

This Certificate does not indicate compliance with electrical 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:

NL/CNEX/ExTR18.0043/00

Quality Assessment Report:

CN/CQM/QAR07.0003/07



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Explosion-proof Tank Inspection Vessel Light Fittings model BAK51-x/xx are made of aluminum, constructed with types of explosion protection flameproof enclosure 'db' for explosive gas atmospheres, as well as with type of explosion protection protection by enclosure 'tb' for dust atmospheres. They are fitted with toughened glass windows and are supplied with cable glands.

For nomenclature and further details, see the Annex to this certificate.

Additional Information:

The enclosure of the Explosion-proof Tank Inspection Vessel Light Fittings model BAK51-x/xx. successfully passed the tests for the Ingress Protection level IP66 to IEC 60529.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The ambient temperature range is limited to -60 °C to +60 °C.

The width of flameproof joints is more than the minimum values specified in IEC 60079-1 standard. If needed, repair of the flameproof joints must only be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in table 4 of IEC 60079-1:2014.

The product is delivered with an integral cable gland. No other cable glands can be applied. Only the cable gland parts supplied by the manufacturer shall be used.

Use heat-resisting cables suitable for operating temperatures greater than 85 °C.

Annex:

[P18060IA-CC IECEx CNEX 180033X Annex.pdf](#)



Annex to Certificate IECEx CNEX 18.0033X issue 0

Equipment or Protective System: Explosion-proof Tank Inspection Vessel Light Fittings
model BAK51-../..

Manufacturer: Warom Technology Incorporated Company

Address: No. 555# Baoqian Road, Jiading, Shanghai, P.R. China

Nomenclature for model BAK51-a/bc

- BAK51 - Explosion-proof Tank Inspection Vessel Light Fittings
- a - Lamp power (W)
- b - Rated voltage (240=220...240 Vac, 24=24 Vac/dc, 12=12 Vdc)
- c - Mounting type (A=Type A, B=Type B)

Electrical Data:

Rated voltage : 220...240 Vac, 24 Vac/dc, 12 Vdc

Rated power : 30 W, 50 W

Rated frequency : 50/60 Hz

Mounting Instructions:

See manufacturer's instructions.

Installation Instructions:

See manufacturer's instructions.

Routine Tests:

Each enclosure shall be submitted to a routine overpressure test during 10 seconds, according to IEC 60079-1 clause 16.1, with a minimum pressure of 11 bar.

Descriptive Documents:

Detailed in the Test Report Cover document. (ref. CQST/ExTR1807G004)

Certification Body: CNEX-Global B.V., Utrechtseweg 310-B38, 6812 AR, Arnhem, the Netherlands

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