



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 QCM 14.0066X issue No.: 0

Certificate history:

Status: **Current**

Date of Issue: 2015-01-09 Page 1 of 3

Applicant: **Warom Technology Incorporated Company**
No. 555, Baoqian Road, Jiading District, Shanghai City
Postal code: 201 808
China

Electrical Apparatus: **Explosion-proof floodlights BAT53-1000**
Optional accessory:

Type of Protection: **Flameproof enclosure "d", Protection by enclosure "t"**

Marking: **Ex d IIB T3 Gb, Ex tb IIIC T193°C Db IP66**
-20°C ≤ Ta ≤ +55°C

Approved for issue on behalf of the IECEx
Certification Body:

Zhang Wei

Position:

President

Signature:
(for printed version)

Date:

2015-01-09

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](http://www.iecex.com).

Certificate issued by:

China Quality Mark Certification Group Co., Ltd.
No. 33 Zengguang Road, Haidian District,
Beijing City, Postal code: 100037
China





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Manufacturer: **Warom Technology Incorporated Company**
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Postal code: 201 808
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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 electrical 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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition: 1	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:
[CN/CQM/ExTR14.0101/00](#)

Quality Assessment Report:
[CN/CQM/QAR07.0003/05](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

BAT53-1000 explosion-proof floodlight comprises a carbon steel flameproof lamp enclosure with an integral flameproof terminal enclosure and a ballast enclosure certified under IECEx CQM 14.0011U. The lamp enclosure has a threaded accesses cover for re-lamping. A lampholder is cemented inside the lamp enclosure and separate the terminal compartment and the light source compartment. Inside the ballast enclosure is a ballast, a trigger and a capacitor. The lamp enclosure houses a 1000W high pressure sodium lamp or metal halide lamp.

Rated voltage:

230VAC 50/60Hz

Light source:

High pressure sodium lamp 1000W

Metal halide lamp 1000W

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The floodlights shall be mounted only in accordance with manufacturer's instruction, ensuring that they are orientated about the axis of the mounting brackets bolts with the beam pointed from vertically up 60° to vertically down 60°. (as shown in manufacturer's instructions)
2. Only the certified cable glands with Ex marking correspondent to this explosion-proof floodlights can be used for fixing cables.
3. Repair of the flameproof joints must 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 3 of IEC 60079-1:2007.
4. After de-energizing, delay 15 minutes before opening.
5. Do not open when energized.
6. Potential electrostatic charging hazard – see instructions.
7. Use fastener with yield stress $\geq 450\text{MPa}$.
8. Only use cables suitable for greater than 110°C.