



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.: issue No.: Certificate history:

Status:

Date of Issue: **2012-08-22** 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 audio and visual caution spotlight fittings BBJ81**
Optional accessory:

Type of Protection: **Flameproof enclosures "d", Intrinsic safety "i", Protection by enclosures "t"**

Marking: **Ex d ib II C T6 Gb, Ex t IIIC T80°C Db IP66**
Tamb: -40°C to +55°C

Approved for issue on behalf of the IECEx Certification Body: **Zhang Wei**

Position: **General Manager**

Signature:
(for printed version)

Date:

2012-08-22

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:

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





IECEX Certificate of Conformity

Certificate No.: IECEx CQM 12.0035X

Date of Issue: 2012-08-22

Issue No.: 0

Page 2 of 3

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

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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
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/ExTR12.0041/00

Quality Assessment Report:

CN/CQM/QAR07.0003/03



IECEX Certificate of Conformity

Certificate No.: IECEx CQM 12.0035X

Date of Issue: 2012-08-22

Issue No.: 0

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

BBJ81 Explosion-proof audio and visual caution spotlight fittings are protected by type "d", "ib" and "t". The enclosure material is aluminium alloy. The material of light transmitting part is toughened glass. The enclosure is comprised of a glass cover, a clamping ring, an enclosure ring, an enclosure, a base, plugs and a buzzer. A LED light source, a PCB, and a terminal are installed in compartment. The buzzer is assembled at the entry. There is a type "ib" protected PCB in the buzzer. Entries are provided in the enclosure for the connection of suitably certified cable glands or blanking plugs.

Rating

Rated voltage: 220V~240V AC 50/60Hz; 24VDC/AC Light source: LED 5W

CONDITIONS OF CERTIFICATION: YES as shown below:

1. Repair of the threaded 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 and table 4 of IEC 60079-1.
2. The luminaire may only be operated in the direction of upward.