



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

Certificate No.: IECEx CQM 12.0011X issue No.:0 Certificate history:.....

Status: **Current**

Date of Issue: **2012-05-15** Page 1 of 3

Applicant: **Warom Technology Incorporated Company**  
No.555, Baoqian Road, Jiading District, Shanghai, 201808, P.R.China  
China

Electrical Apparatus: **Explosion-proof floodlights BnT81 Series**  
Optional accessory:

Type of Protection: **Protection "n", Protection by enclosure "t"**

Marking: **Ex nR IIC T3 Gc, Ex nR IIC T252°C Gc,  
Ex t IIIC T190°C Db IP65, Ex t IIIC T252°C Db IP65  
Tamb: -60°C ~ +55°C**

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

Position: General Manager

Signature:  
(for printed version)

Date:

2012-05-15

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





# IECEX Certificate of Conformity

Certificate No.: IECEX CQM 12.0011X

Date of Issue: 2012-05-15

Issue No.: 0

Page 2 of 3

Manufacturer: **Warom Technology Incorporated Company**  
No.555, Baoqian Road, Jiading District, Shanghai, 201808, P.R.China  
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:

- |  |  |
|--|--|
| <b>IEC 60079-0 : 2007-10</b><br>Edition: 5 | Explosive atmospheres - Part 0: Equipment - General requirements                     |
| <b>IEC 60079-15 : 2010</b><br>Edition: 4   | Explosive atmospheres - Part 15: Equipment protection by type of protection "n"      |
| <b>IEC 60079-31 : 2008</b><br>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/ExTR12.0026/00

##### Quality Assessment Report:

CN/CQM/QAR07.0003/03





# IECEX Certificate of Conformity

Certificate No.: IECEX CQM 12.0011X

Date of Issue: 2012-05-15

Issue No.: 0

Page 3 of 3

## Schedule

### EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

#### Description of equipment

1. BnT81 series explosion-proof floodlights are of type "nR". It is composed of enclosure, cover and glass cover. The enclosure and cover are made of aluminium alloy. The material of light transmitting part is glass. A E39/E40 lamp holder, a ballast, a trigger, a capacitor and a connection board are installed in the enclosure. The entry hole is blocked by a plug.

2. Nomenclature: BnT81 —□ □  
(1) (2)

BnT81: Explosion-proof floodlights

(1): Lamp. HIE: Metal halide lamp. HSE: High pressure sodium lamp.

(2): Lamp wattage (W)

3. Rated voltage, rated power and temperature code see in table

Rated voltage	Rated power	Temperature class	
		Gas	Dust
220V~250V, AC, 50/60Hz	HIE 175W, 250W	T3	T190°C
	HSE 150W, 250W		
	HIE 400W	T252°C	T252°C
	HSE 400W		
120V/208V/240V/277V/480VAC, 50/60Hz	HIE 175W, 250W, 400W	T3	T190°C
	HSE 150W, 250W, 400W		

### CONDITIONS OF CERTIFICATION: YES as shown below:

1. If the enclosure needs to be opened, the gasket should be replaced with the manufacturer's matched gasket.
2. When user connecting, high-temperature resistant wire(185°C) must be adopted.
3. The floodlight may only be operated in the direction from upward 45° to downward.