



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 CQM 13.0006X issue No.:0 Certificate history:

Status: Current

Date of Issue: 2013-02-01 Page 1 of 3

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

Electrical Apparatus: Floodlights BnT81-1000 Series
Optional accessory:

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

Marking: Ex nR IIC T2 Gc, Ex tb IIIC T290°C Db IP65
Ta: -60°C~+55°C

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

Position: President

Signature:
(for printed version)

Date: 2013-02-01

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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Page 2 of 3

Manufacturer: **Warom Technology Incorporated Company**
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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 60079-15 : 2010 Edition: 4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
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/ExTR13.0011/00](#)

Quality Assessment Report:
[CN/CQM/QAR07.0003/03](#)



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Date of Issue: 2013-02-01

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 floodlights are of type "nR" and "t". It is composed of a lamp compartment and a ballast compartment. The lamp compartment is composed of a shell body, two covers and glass cover. A lamp and a lamp holder are installed inside the lamp compartment. The ballast compartment is composed of a ballast shell body and a ballast shell cover. A terminal, a trigger, two capacitors (European standard) or a capacitor (American standard) and a ballast are installed inside the ballast compartment.

2. Nomenclature: BnT81 — ☐ (1) ☐ (2) ☐ (3)

(1): Shell type: 1000

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

(3) Lamp wattage (W)

Rating

Rated voltage range:

230VAC 50/60Hz for European standard;

120VAC/208VAC/240VAC/277VAC 50/60Hz for American standard.

Power of light source:

HIE: 1000W. HSE: 1000W.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. This BnT81-1000 series floodlights are not equipped with a test port that is used for routine test requirements for restricted-breathing enclosure.
2. When user connecting, high-temperature resistant wire (185°C) must be adopted.
3. See the manual for the floodlights mounting direction.
4. The assembly should be equipped with suitably certified cable glands with a compatible mode of protection for the intended use. The unused holes should be closed by suitably certified plugs.
5. Warning: Do not open when energized.
6. Warning: After de-energizing, delay 15 minutes before opening.