



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 13.0037X issue No.: 0 Certificate history:

Status: Current

Date of Issue: 2013-09-22 Page 1 of 3

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

Electrical Apparatus: **Floodlights BAT53-125**
Optional accessory:

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

Marking: **Ex d e IIB T₁ Gb, Ex tb IIIC T₁ Db IP66**
Ta: -60°C to +55°C


Approved for issue on behalf of the IECEx
Certification Body:

Zhang Wei

Position:

President

Signature:
(for printed version)


2013-09-22

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](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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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 : 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 60079-31 : 2008 Edition: 1	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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/ExTR13.0052/00](#)

Quality Assessment Report:
[CN/CQM/QAR07.0003/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

The series BAT53-125 floodlight includes a light source compartment with type of protection "d", "tb" and a ballast compartment with type of protection "e", "tb". The enclosure of the light source compartment is composed of a main shell body cemented with a glass cover, a pressing ring, a holder bracket and a pressing cover. The glass cover is protected by a guard. There is a light source, an E27 lamp holder and a reflector inside the light source compartment. The enclosure of ballast compartment is composed of a shell cover, a shell body. There is a terminal and ballast inside ballast compartment. There is an explosion-proof electronic trigger (flameproof enclosure) inside the ballast compartment just for HSE and HIE light source floodlight. The wires through two compartments are encapsulated. The material of metal of the enclosure is cast aluminium. Two entry holes are provided in the enclosure of the ballast compartment, where suitable certified cable gland or blanking element should be installed.

Rating

Rated voltage: 220~240V AC 50/60Hz

Light source: metal halide lamp (HIE): 70W, 100W, 150W

high pressure sodium lamp (HSE): 70W, 100W

high pressure mercury lamp (HME): 80W, 125W

The maximum surface temperature of different light sources are as follow:

Light source	HIE70W HSE 70W	HIE100W	HIE 150W	HME 80W	HME 125W	HSE 100W
Temperature	156°C	181°C	190°C	163°C	209°C	185°C

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 1 and table 3 of IEC 60079-1:2007.
2. Warning words-AFTER DE-ENERGIZED, DELAY 15 MINUTES BEFORE OPENING