



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 11.0013X

Issue No: 2

Certificate history:

Status: Current

Issue No. 2 (2017-08-02)

Date of Issue: 2017-08-02

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Issue No. 1 (2012-11-29)

Issue No. 0 (2011-08-31)

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

Equipment: **Explosion-proof Floodlights BAT85-□ □**

Optional accessory:

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

Marking:

Ex db IIC T3 or xxx°C Gb

Ex tb IIIC T xxx°C Db IP66(for the maximum surface temperature in the code, see attachment)

Approved for issue on behalf of the IECEx

Ji Xiaodong

Certification Body:

Position:

General Manager

Signature:

(for printed version)

Date:

2017-08-02

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: 100048
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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	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/ExTR11.0013/00

CN/CQM/ExTR11.0013/01

CN/CQM/ExTR11.0013/02

Quality Assessment Report:

CN/CQM/QAR07.0003/06



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

BAT85 explosion-proof floodlight is of type "db" and "tb". Its enclosure is made of casting aluminium alloy. A ballast, a trigger, and terminals are installed inside the ballast compartment. A light source, a lamp holder, and a reflector panel are installed inside the light source compartment. The wires pass through two compartment are cemented by epoxy resin. For the types with rated voltage 120V, a ballast, a trigger and a capacitor are install in another enclosure with type of protection "db" and "tb" which is connected with light source compartment by cable.

Nomenclature and the relationship of the rating, the T code, surface temperature and ambient temperature are specified in attachment.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. BAT85 Explosion-proof floodlights shall be mounted only in accordance with manufacture's instruction.
2. The flame proof joints cannot be repaired.
3. Only the suitably certified cable glands or plugs can be used for fixing the threaded entry holes.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Details of change:

1. The standards are updated to IEC 60079-0: 2011, IEC 60079-1: 2014 and IEC 60079-31:2013.
2. The IP code of enclosure is changed to IP66.

3. Add "Specific conditons of use".

Annex:

Attachment to IECEx CQM11.0013X 02.pdf



Attachment to Certificate

IECEx CQM 11.0013X issue No.:2



Applicant:

Warom Technology Incorporated Company

No. 555, Baoqian Road, Jiading District, Shanghai City, 201808,
China

Electrical equipment: Explosion-proof Floodlights BAT85-□ □

Description of equipment:

1. Nomenclature:

BAT85-□1 □2

□1: light source: Metal halide lamp HIE、High pressure sodium lamp HSE、High pressure mercury lamp HME

□2: lamp power

2. The relationship of the rating, the T code, surface temperature and ambient temperature is as following:

Rated voltage	Lamp	Rated power (W)	Temperature class			
			-20°C ≤ Ta ≤ +40°C		-20°C ≤ Ta ≤ +55°C	
			GAS	DUST	GAS	DUST
120V AC 50/60Hz	HIE	175、250、400	T3	190°C	T3	190°C
	HSE	150、250、400				
208V/ 220V AC 50/60Hz	HIE	175、250、400				
	HME	175、250、400				
	HSE	150、250、400				
	HIE	175、250、400			T3	190°C
230V AC 50/60Hz	HME	175、250			T3	190°C
		400			208°C	208°C
	HSE	150、250			T3	190°C
		400			206°C	206°C
240V AC 50/60Hz	HIE	175、250、400			T3	190°C
	HME	175、250			T3	190°C
		400			211°C	211°C
	HSE	150、250			T3	190°C
250V AC 50/60Hz	HME	175、250			212°C	212°C
		400			T3	190°C
	HSE	175、250			T3	190°C
		400			201°C	201°C
277V AC 50/60Hz	HME	175、250			216°C	216°C
		400			211°C	211°C
	HSE	150、250			226°C	226°C
		400			T3	190°C
277V AC 50/60Hz	HME	175、250			T3	190°C
		400			210°C	210°C
	HSE	175、250			225°C	225°C
		400			T3	190°C