



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 CML 18.0042X Issue No: 0 Certificate history:
Issue No. 0 (2018-02-09)

Status: **Current**

Date of Issue: **2018-02-09** Page 1 of 3

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

Equipment: **Explosion-proof LED Floodlight BAT86-240-□□**
Optional accessory:

Type of Protection: **Flameproof (db), Optical Radiation (op is), Dust Ignition Protection (tb)**

Marking:
Ex db op is IIB+H2 T6...T5 Gb
Ex tb op is IIIC T80°C...T95°C Db IP66
Ta: -40°C to +40°C/+55°C

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

D R Stubbings MIET

Position:

Technical Director

*Signature:
(for printed version)*

Date:

2018-02-09

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:

Certification Management Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





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Certificate No: IECEX CML 18.0042X Issue No: 0

Date of Issue: **2018-02-09** Page 2 of 3

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

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 60079-28 : 2015 Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
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:

[GB/CML/ExTR18.0048/00](#)

Quality Assessment Report:

[CN/CQM/QAR07.0003/07](#)

[GB/CML/QAR18.0003/00](#)



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Certificate No: IECEx CML 18.0042X

Issue No: 0

Date of Issue: 2018-02-09

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The BAT86-240 explosion-proof LED floodlight consists of a light source compartment and a LED power compartment. Both compartments are flameproof and dust ignition protected. The two compartments are joined by a threaded joint and the wiring between the two compartments is cemented.

Refer to Annex for Full Description and Conditions of Manufacture

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to Annex for Specific Conditions of Use

Annex:

[IECEX CML 18.0042X Iss. 0 Certificate Annex.pdf](#)

Annexe to: IECEx CML 18.0042X Issue 0
Applicant: Warom Technology Incorporated Company
Apparatus: Explosion-proof LED Floodlight
 BAT86-240-□□



Product Description

The BAT86-240 explosion-proof LED floodlight consists of a light source compartment and a LED power compartment. Both compartments are flameproof and dust ignition protected. The two compartments are joined by a threaded joint and the wiring between the two compartments is cemented.

The light source compartment consists of a cover that includes a cemented glass lens and a cast aluminium body. It is used to house the LED light source.

The LED power compartment consists of a cast aluminium cover and body. It is used to house the LED power supply.

Two entry threaded holes are provided in the enclosure of the LED power compartment, these are designed to be used with appropriately dimensioned and suitably certified cable glands or blanking plugs.

Voltage: 100 to 277 V AC 50/60 Hz
 130 to 250 V DC

Power: 160 / 200 / 240 W

Rated Power (W)	Temperature Classification			
	-40°C to +40°C		-40°C to +55°C	
	Gas	Dust	Gas	Dust
160	-	-	T6	T80°C
200 / 240	T6	T80°C	T5	T95°C

Conditions of Manufacture

The following are conditions of manufacture:

- i. Each unit shall be subjected to routine static overpressure tests in accordance with the requirements of EN/IEC 60079-1:2014 clause 16.1. The tests shall be carried at the following pressures:
 - Light source compartment – 11 bar
 - Power compartment – 20 bar

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Conditions of Certification/Special Conditions for Safe Use

The following are conditions of certification:

- i. The flameproof joints, as part of the equipment, differ from the relevant dimensions specified in EN/IEC 60079-1. As such, they shall not be repaired or modified. If required, contact the manufacturer.
- ii. There is a potential electrostatic charging hazard. The plastic coating shall only be cleaned with a damp cloth.
- iii. The BAT86 explosion-proof LED floodlights shall be mounted according to the directions specified in the manual.