



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX CQM 21.0015X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2021-06-29

Applicant: **WAROM TECHNOLOGY INCORPORATED COMPANY**
555 Baoqian Road, Jiading District, Shanghai, 201808
China

Equipment: **Explosion-proof LED floodlight typed BAT86-**-****

Optional accessory:

Type of Protection: **Flameproof "db", Equipment dust ignition protection by enclosure "tb"**

Marking: Ex db IIB+H₂ T6...T4 Gb, Ex tb IIIC T80°C...T130°C Db for BAT86-90-**-** and BAT86-240-**-**
Ex db IIB T6/T5 Gb, Ex tb IIIC T80°C/T95°C Db for BAT86-160-**-**
-60°C≤Ta≤+40°C or -60°C≤Ta≤+60°C

Approved for issue on behalf of the IECEx
Certification Body:

Ji Xiaodong

Position:

President

Signature:
(for printed version)

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 www.iecex.com or use of this QR Code.



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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Date of issue: 2021-06-29

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Manufacturer: **WAROM TECHNOLOGY INCORPORATED COMPANY**
555 Baoqian Road, Jiading District, Shanghai, 201808
China

Additional manufacturing locations: **WAROM Technology Mena Fzco**
Plot No.S31223, Jebel Ali Free Zone
Dubai 263667
United Arab Emirates

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with 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/ExTR21.0012/00](#)

Quality Assessment Report:

[CN/CQM/QAR07.0003/10](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The BAT86-240 explosion-proof LED floodlight includes a light source compartment with type of protection "db" "tb" and a LED power compartment with type of protection "db" "tb". The material of metal of the enclosure is cast aluminium. For BAT86-240 the two compartments are separate and jointed by a threaded joint. For BAT86-160 and BAT86-90 the enclosure of the two compartments is an integrated one. There is an LED lights source inside the light source compartment. There is an LED power inside LED power compartment. The wires through two compartments are encapsulated.

Two entry threaded holes are provided in the enclosure of the LED power compartment, where suitable certified cable gland or blanking element should be installed.

The product meets IP66 according to the requirement of IEC 60529.

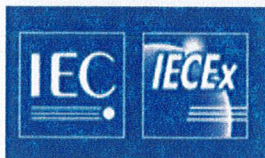
Refer to the attachment for ratings and nomenclature.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The flameproof joint cannot be repaired.
2. As there is a potential electrostatic charging hazard, BAT86 explosion-proof LED floodlight must not be used in areas affected by charge-producing processes, mechanical friction and separation processed electrone mission (e.g in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust to avoid electrostatic.
3. The BAT86 explosion-proof LED floodlight are intended to be mounted according to the mounting direction specified in the manual.
4. Only the suitably certified cable glands can be used for fixing cables. The unused holes must be closed by the suitably certified plugs.
5. WARNING-Do not open when an explosive dust atmosphere is present.

Annex:

[IECEX_CQM_21.0015_000 attachment.pdf](#)



Attachment to Certificate

IECEX CQM 21.0015X issue No.0



Applicant:

Warom Technology Incorporated Company

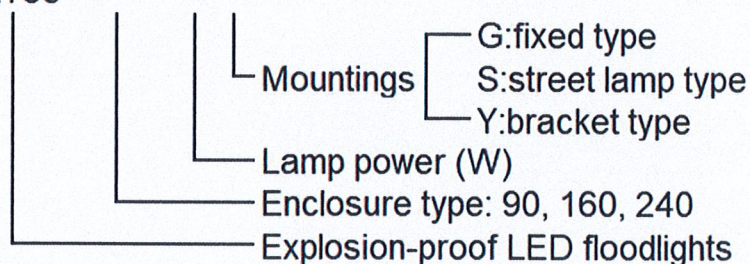
Address: No.555# Baoqian Road, Jiading, Shanghai, 201808, PRC

Electrical equipment:

Explosion-proof LED floodlight

Nomenclature:

BAT86 - * - * *



Ratings

1. Relation between the type, rated voltage and power:

Type	Rated voltage	Rated Power
BAT86-90-**	100...277V AC 50/60Hz	30W, 40W, 50W, 60W, 70W, 80W, 90W
BAT86-160-**	100...130V DC	100W, 120W, 150W, 160W
BAT86-240-**	130...250V DC	160W, 180W, 200W, 240W

2. Relation between the type, ambient temperature and temperature class:

Type	Temperature classification			
	-60°C≤Ta≤+40°C		-60°C≤Ta≤+60°C	
	Gas	Dust	Gas	Dust
BAT86-90-90 BAT86-90-80 BAT86-90-70 BAT86-90-60	T6	T80°C	T4	T130°C
BAT86-90-50 BAT86-90-40 BAT86-90-30	T6	T80°C	T5	T95°C
BAT86-160-160 BAT86-160-150 BAT86-160-120 BAT86-160-100	T6	T80°C	T5	T95°C

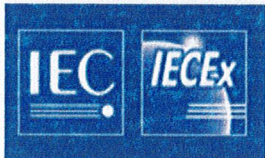
China Quality Mark Certification Group Co., Ltd. (CQM)

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Type	Temperature classification			
	-60°C≤Ta≤+40°C		-60°C≤Ta≤+60°C	
	Gas	Dust	Gas	Dust
BAT86-240-240	T6	T80°C	T4	T130°C
BAT86-240-200				
BAT86-240-180				
BAT86-240-160			T5	T95°C