



# 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](http://www.iecex.com)

Certificate No.:	<b>IECEx CQM 21.0015X</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 1	<a href="#">Issue 0 (2021-06-29)</a>
Date of Issue:	2025-11-12		
Applicant:	<b>WAROM TECHNOLOGY INCORPORATED COMPANY</b> 555 Baoqian Road, Jiading District, Shanghai, 201808 <b>China</b>		
Equipment:	<b>Explosion-proof LED floodlight typed BAT86-*-*</b>		
Optional accessory:			
Type of Protection:	<b>Flameproof "db", Equipment dust ignition protection by enclosure "tb"</b>		
Marking:	Ex db IIB+H <sub>2</sub> 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:  
(for printed version)

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Certificate issued by:

**China Quality Mark Certification Group Co., Ltd.**  
No. 33 Zengguang Road, Haidian District  
Beijing City, Postal code: 100048  
**China**

**CQM**  
China Quality Mark



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

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

**WAROM TECHNOLOGY MENA FZCO**  
Plot, S10103, Jebal Ali South, Jebal Ali Freezone  
DUBAI PO Box: 263667  
**United Arab Emirates**

**WAROM TECHNOLOGY ARABIA INDUSTRIAL LLC**  
Building No. 4443, Ibn Sina Street, 1st Industrial District  
Dammam 32234  
**Saudi Arabia**

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** 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/QAR07.0003/14](#)



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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.



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

Change the location of WAROM TECHNOLOGY MENA FZCO and additional manufacturing Location WAROM TECHNOLOGY ARABIA INDUSTRIAL LLC is added.

### Annex:

[IECEx\\_CQM\\_21.0015X\\_001.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 - \* - \* \*

Mountings      G:fixed type  
                  S:street lamp type  
                  Y:bracket type  
Lamp power (W)  
Enclosure type: 90, 160, 240  
Explosion-proof LED floodlights

## Ratings

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

Type	Rated voltage	Rated Power
BAT86-90-**	100...277V AC 50/60Hz 100...130V DC 130...250V DC	30W, 40W, 50W, 60W, 70W, 80W, 90W
BAT86-160-**		100W, 120W, 150W, 160W
BAT86-240-**		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	T6	T80°C	T4	T130°C
BAT86-90-70				
BAT86-90-60				
BAT86-90-50				
BAT86-90-40	T6	T80°C	T5	T95°C
BAT86-90-30				
BAT86-160-160				
BAT86-160-150	T6	T80°C	T5	T95°C
BAT86-160-120				
BAT86-160-100				

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