



# 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 07.0007X</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 3	<a href="#">Issue 2 (2012-12-16)</a>
Date of Issue:	2023-09-22		<a href="#">Issue 1 (2012-02-08)</a>
Applicant:	<a href="#">Issue 0 (2007-08-30)</a>		
	<b>WAROM TECHNOLOGY INCORPORATED COMPANY</b>		
	No. 555 Baoqian Road, Jiading District, Shanghai, 201808		
	<b>China</b>		
Equipment:	<b>Explosion-proof Light Fittings for Fluorescent Lamp typed BAY51-Q Series</b>		
Optional accessory:			
Type of Protection:	<b>Flameproof enclosure "db", Increased safety "eb", Powder filling "q", Dust ignition protected by enclosure "tb"</b>		
Marking:	Ex db eb q IIC T4 Gb; Ex tb IIIC T85°C Db		
	-40°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**





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Manufacturer: **WAROM TECHNOLOGY INCORPORATED COMPANY**  
No. 555 Baoqian Road, Jiading District, Shanghai, 201808  
**China**

Manufacturing locations: **WAROM TECHNOLOGY INCORPORATED COMPANY**  
No. 555 Baoqian Road, Jiading District, Shanghai, 201808  
**China**

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 60079-31:2022** Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:3.0

**IEC 60079-5:2015** Explosive atmospheres –Part 5: Equipment protection by powder filling "q"  
Edition:4.0

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

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 Reports:

**CN/CQM/ExTR07.0008/01**  
**CN/CQM/ExTR07.0008/04**

**CN/CQM/ExTR07.0008/02**

**CN/CQM/ExTR07.0008/03**

Quality Assessment Report:

**CN/CQM/QAR07.0003/11**



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Explosion-proof light fittings for fluorescent lamp is a combination types of protection "db", "eb" and "q" for explosive gas atmospheres explosion, or "tb" for explosive dust atmospheres. The enclosure of the lamp contains body and transparent cover. Gasket is provided between the cover and body to fulfill the requirements of ingress protection. The material of the body is SMC-2 and the material of transparent cover is PC2807. Separated certified Explosion protected button switch (IECEx TUR 20.0041U), ballast (IECEx CQM 07.0005U) and tubes are installed internally. The Explosion protected button switch of the lamp is protected by type of "db", and the ballast is protected by type "q" and "eb". Other parts of the lamp comply with requirements of type "eb". The material of the enclosure of the product is plastic. The equipment fulfils the requirements of IP66 according to IEC 60529.

## Ratings:

Rated voltage: AC96~277V, 50Hz/60Hz, DC100~250V.

Rated power: 1×36W, 2×36W, 1×18W, 2×18W.

## Details of nomenclature:

BAY51-Q ①×②③

Where ① means lamp power (W), which can be 18 or 36

② means lamp number, which can be 1 or 2

③ means mounting type, which can be L (pole type), X (ceiling type), B (wall type), D (pendant chain type) or G (pendant pole type).

## SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The entry shall be equipped with Ex certified cable glands or blanking elements with a compatible mode of protection for the intended use.
2. To reduce the risk of ignition due to electrostatic discharge, avoid contact with the luminaire while an explosive atmosphere is present.  
Clean only with a damp cloth.



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

1. The rated voltage was changed from AC96V~254V, 50Hz/60Hz to AC96~277V, 50Hz/60Hz, DC100~250V.
2. Ambient temperature was changed from -20°C ~+55°C to -40°C ~+60°C.
3. A re-evaluation according to the actual valid standard editions, that is IEC 60079-0 ed 7.0, IEC60079-1 ed 7.0, IEC60079-5 ed 4.0, IEC60079-7 ed 5.1 and IEC60079-31 ed 3.0 were conducted.