



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 16.0023X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 1 Issue 0 (2016-07-08)
Date of Issue: 2021-03-03
Applicant: **Warom Technology Incorporated Company**
No.555# Baoqian Road, Jiading, Shanghai
China
Equipment: **Explosion-proof Light Fittings BAY51-D **x**** Series**
Optional accessory:
Type of Protection: **Ex "d", "tb"**
Marking: Ex db IIB T6 Gb (for $-60^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$)
Ex db IIB+H₂ T6 Gb (for $-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$)
Ex tb IIIC T80°C Db IP66 (for $-60^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$)

Approved for issue on behalf of the IECEx
Certification Body:

Ji Xiaodong

Position:

General Manager

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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Certificate No.: **IECEX CQM 16.0023X**

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Date of issue: 2021-03-03

Issue No: 1

Manufacturer: **Warom Technology Incorporated Company**
No.555# Baoqian Road, Jiading, Shanghai
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 Reports:

CN/CQM/ExTR16.0022/00

CN/CQM/ExTR16.0022/01

Quality Assessment Report:

CN/CQM/QAR07.0003/10



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Date of issue: 2021-03-03

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description of Equipment:

The BAY51-D **x**** Series explosion-proof light fittings consists of body, cover, open cover and transparent parts. The body, cover and open cover is made of aluminum alloy and plastic sprayed. The minimum thickness of housing is 5mm. The transparent part is made of tempered glass. There is a cemented joint between the transparent part and the housing with the minimum length of 20mm. The flameproof joints fulfill the requirement of Ex d. Each joint has O-ring to meet the requirement of Ex tb. The internally installed ballast is used to operating the light and provide functional protection of the product. The ingress protection degree is IP66.

Refer to the attachment for the details of nomenclature.

Technical data

Type BAY51-D LED *x2*:

Input voltage: 100~275V AC, Rated power (LED lamp) : 9Wx2, 18Wx2, 28Wx2

Type BAY51-D *x2* :

Input voltage: 100 ~ 305V AC, Rated power (fluorescent lamp) : 18Wx2, 36Wx2, 58Wx2, 14Wx2, 28Wx2, 35Wx2

Type BAY51-D LED *x2*J* with emergency function:

Input voltage: 100~275V AC, Rated power (LED lamp) : 18Wx2, 28Wx2

Type BAY51-D *x2*J* with emergency function:

Input voltage: 100 ~ 305V AC, Rated power (fluorescent lamp) : 36Wx2, 58Wx2

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The thread specification of entry are M20×1.5, M25×1.5, NPT1/2 or NPT3/4; which complies with the requirements marked on the instruction manual.
2. When the product is installed and operated in gas explosive atmosphere, separated certified cable gland fulfil the requirement of IEC 60079-0:2017 and IEC 60079-1:2014 shall be used.
3. When the product is installed and operated in dust explosive atmosphere, separated certified cable gland fulfil the requirement of IEC 60079-0:2017 and IEC 60079-31:2013 shall be used.
4. When repair or maintain the flameproof joints, contact the original manufacturer for the information on the dimensions of the flameproof joints.
5. WARNING: DO NOT OPEN WHEN ENERGIZED.

WARNING: DO NOT OPEN WHEN EXPLOSIVE ATMOSPHERE PRESENTS.

WARNING: POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS.

CAUTION: USE FASTENERS WITH YIELD STRESS≥450MPa.

SPECIFICATION OF THE ENTRY HOLE-SEE THE MANUAL.



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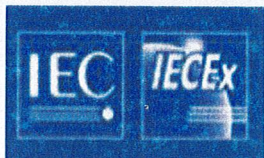
Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Add emergency modules typed BAY51-D LED 18×2*J*, BAY51-D LED 28×2*J*, BAY51-D 36×2*J* and BAY51-D 58×2*J*.
2. Add thread specification of entry: M20×1.5 or NPT1/2.
3. Update standard to IEC 60079-0:2017 ed7.0.

Annex:

[IECEX CQM 16.0023X 01 Attachment.pdf](#)



Attachment to Certificate

IECEX CQM 16.0023X issue No.1



Applicant:

Warom Technology Incorporated Company

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

Electrical equipment:

Explosion-proof Light Fittings

Nomenclature:

BAY51-D * * X * * * *

- 1:Ni-MH battery, 2:Ni-Cd battery
- Non:without emergency module, J:emergency lighting
- G2:Pendant pole mounting 2, G1:Pendant pole mounting 1,
- L:pole mounting, X:Ceiling mounting
- Lamp number
- Lamp power
- LED:LED Lamp, Non:Fluorescent lamp
- Explosion-proof light fitting

Ex component list

No.	Ex component	Ex-marking	Certificate
1	M20×1.5, M25×1.5 or NPT1/2, NPT3/4	Ex db IIC Gb, Ex tb IIIC Db	IECEX LCIE 15.0070U

The component was certified based on IEC 60079-0:2011 ed6 which has been evaluated according to IEC 60079-0:2017 ed7 and the requirements are fulfilled.