



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 IMQ 21.0014X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2021-12-21

Applicant: **ZHEJIANG TORMIN ELECTRICAL CO., LTD**
No.35 Qingjiang Road
High-tech District, Wenzhou, Zhejiang
China

Equipment: **Portable Multi-function Explosion-proof LED Lamp, mod. BW6610B**

Optional accessory:

Type of Protection: **Ex db; Ex eb; Ex mb; Ex tb**

Marking: Ex db eb mb IIC T6 Gb
Ex tb IIC T80°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Mr. Mauro Casari

Position:

IMQ ExCB 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:

Istituto Italiano del Marchio di Qualità S.p.A
Via Quintiliano 43
20138 Milano
Italy





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Manufacturer: **ZHEJIANG TORMIN ELECTRICAL CO., LTD**
No.35 Qingjiang Road
High-tech District, Wenzhou, Zhejiang
China

Additional
manufacturing
locations:

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 60079-18:2017](#) Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[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 Report:

[IT/IMQ/ExTR21.0014/00](#)

Quality Assessment Report:

[CN/CNE/QAR19.0002/01](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

BW6610B power enclosure and switch enclosure are made of polycarbonate, light source enclosure is made of aluminium and the light transmitting part is toughened glass. LED source is not convergent and cannot be converted into convergent by transparent part. Transparent part gives a significant attenuation of irradiance. IEC 60079-28 is not applicable. The power cavity is Ex eb and Ex tb, the light source cavity is Ex db and Ex tb, the switch cavity is Ex db and Ex tb. The batteries are in the power cavity which is protected by Ex mb circuit.

LED power: 13W

Rated ambient temperature range: from -20°C to +55°C

Protection degree: IP66

SPECIFIC CONDITIONS OF USE: YES as shown below:

Charge Service ambient temperature : from 0°C to +40°C

Discharge Service ambient temperature : from -20°C to +55°C

Warnings:

- WARNING - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
- WARNING – DO NOT CHARGE IN A HAZARDOUS AREA
- WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS.