



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 22.0008X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 1	Issue 0 (2022-11-17)
Date of Issue:	2024-07-24		
Applicant:	Zhejiang Tormin Electrical Co., Ltd. No.2, GangTeng Road, YongXing Subdistrict, LongWan District WenZhou City, ZheJiang Province 325024 China		
Equipment:	Explosion proof LED emergency light, series BC5210, BC4210		
Optional accessory:			
Type of Protection:	Ex db, Ex eb, Ex tb		
Marking:	Ex db eb IIC T6 Gb Ex tb IIIC 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:
(for printed version)

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. 2, Gangteng Road, Yongxing Subdistrict, Longwan District
Wenzhou City, Zhejiang Province 325024
China

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](#) 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 60079-7:2017](#) 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:

[IT/IMQ/ExTR22.0008/00](#)

[IT/IMQ/ExTR22.0008/01](#)

Quality Assessment Report:

[NL/CNEX/QAR23.0001/01](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

BC5210 and BC4210 series have the same enclosure and different power: BC5210 with 2.0W consumption, BC4210 with 1.5W consumption. BC5210 incorporate with the transparent glass without the additional signal figure attached on the glass. BC4210 incorporate with the transparent glass with the additional six signal figures attached on the glass.

The light source enclosure is Ex db and Ex tb that is made of ADC12 and the cementing glass.

The terminal cavity is Ex eb and Ex tb.

LED source is not convergent and cannot be converted into convergent by transparent part. Transparent part gives a significant attenuation of irradiance.

Technical data

Rated working voltage: AC 100-240VAC, 50Hz/60Hz

LED power: 2.0W, 1.5W

Protection degree: IP66

Rated ambient temperature range: from 0°C to +45°C

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. WARNING – DO NOT OPEN WHEN AN EXPLOSIVE GAS ATMOSPHERE IS PRESENT.
2. WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1:

- Address change
- QAR change to NL/CNEX/QAR23.0001
- IEC 60079-31:2022 ed. 3.0 updating