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 TUR 25.0061X**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2025-08-25		
Applicant:	**Zhejiang Tormin Electrical Co., Ltd.** No. 2, Gangteng Road, Yongxing Subdistrict, Longwan District Wenzhou City, Zhejiang Province 325024 **China**		
Equipment:	**LED Explosion-proof Light, Type BC5409 Series**		
Optional accessory:			
Type of Protection:	**Equipment protection by increased safety "eb" and Equipment protection by intrinsic safety "ib"**		
Marking:	Ex eb ib IIC T4 Gb (Ta range: -25°C ~ 55°C)		

Approved for issue on behalf of the IECEx Certification Body:	**Dipl.-Ing. Yang Wang**
Position:	**Assigned Certifier**
Signature: (for printed version)	
Date: (for printed version)	2025-08-25

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:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany

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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: **Zhejiang Tormin Electrical Co., Ltd.**
No. 2, Gangteng Road, Yongxing Subdistrict, Longwan District
Wenzhou City, Zhejiang Province 325024
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 60079-11:2023 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:7.0

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 Report:

DE/TUR/ExTR25.0061/00

Quality Assessment Report:

NL/CNEX/QAR23.0001/01

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The LED Explosion-proof Light is designed as an increased safety and intrinsic safety structure. The equipment has an enclosure made of Aluminum alloy 6063 and plastic.

This product can be used in Zone 1 and Zone 2, where there is an explosive gas mixture belonging to IIA, IIB and IIC for temperature classification T4.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The LED light is a non-shock hazard equipment, and the power cable of the equipment can only be connected as below: 1- A SELV system with Um ≤ 30V. 2- A power apparatus complying with the IEC 60950 series, IEC 61010-1, or a technically equivalent standard with Um ≤ 30V. 3- Cells or batteries with Um ≤ 30V.
2. The equipment comes with cables, which can be wired in non-hazardous areas; when the cable was connected in hazardous area, the cable only can be connected in a certified terminal box with suitable equipment protection level.
3. The cable gland passed the clamping tests with values reduced to 25 %, the user shall provide additional clamping of the cable to ensure that pulling is not transmitted to the terminations.
4. The enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore, the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with damp cloth.