



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 SEV 18.0031** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2019-08-26

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

Equipment: **LED Explosion Proof Light Type: BC5402 B,D Series**

Optional accessory:

Type of Protection: **n, t**

Marking: Ex nR IIC T6 Gc
Ex tc IIIC T80°C Dc

Approved for issue on behalf of the IECEx
Certification Body:

Martin Plüss

Position:

Manager Product Certification

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:

Eurofins Electrosuisse Product Testing AG
Luppenstrasse 3
CH-8320 FEHRALTORF
Switzerland



Electrosuisse
Product Testing



IECEx Certificate of Conformity

Certificate No.: **IECEx SEV 18.0031**

Page 2 of 3

Date of issue: 2019-08-26

Issue No: 0

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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-15:2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:4

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 Report:

[CH/SEV/ExTR18.0034/00](#)

Quality Assessment Report:

[CN/CNE/QAR19.0002/00](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx SEV 18.0031**

Page 3 of 3

Date of issue: 2019-08-26

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

LED Explosion Proof Light Type: BC5402 B,D Series

The BD5402 B,D explosion proof light is mainly composed of a shell body and a plastic lampshade: for B series a separate terminal box for LED driver termination is connected to the main shell body on one side and a side cover on the other side (for emergency mode this side cover is substituted with a wiring cover); for D series the equipment is of one-chamber structure, on both sides are mounted wiring covers. Ex cable glands shall be installed on-site, the unused cable entries shall be plugged by Ex blanking elements during working, and serve as test port during inspection or maintenance. Li-Ion rechargeable battery-packages are provided for emergency mode. The lampshade is cemented with DC7091 glue to the shell body. The restricted-breathing protection is guaranteed by cementing in the lampshade and sealing rings in the enclosure or cover grooves. Both external and internal earthings are provided.

Ratings:

B series: 100-240 VAC 50/60 Hz, 20 W/30 W/40 W/50 W/60 W/80 W; 15 W/25 W

D series: 220-240 VAC 50/60 Hz, 20 W/30 W/40 W/50 W/60 W/80 W/100 W; 3 W/15 W

Classification of installation and use: Stationary

Ingress protection: IP66/67

Rated ambient temperature range (°C): -40 °C ... +55 °C

Rated ambient temperature range (°C) for Ex Components... : N/A

SPECIFIC CONDITIONS OF USE: NO