



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 19.0029	Page 1 of 3	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2019-09-11		
Applicant:	ZHEJIANG TORMIN ELECTRICAL CO., LTD No.35 Qingjiang Road High-tech District, Wenzhou, Zhejiang China		
Equipment:	LED Explosion Proof Light		
Optional accessory:			
Type of Protection:	eb, mb, tb, op is		
Marking:	Ex eb mb op is IIC T* Gb Ex tb op is IIIC T* Db		

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 Electric & Electronic Product Testing AG
Luppenstrasse 3
CH-8320 FEHRALTORF
Switzerland





IECEx Certificate of Conformity

Certificate No.: **IECEx SEV 19.0029**

Page 2 of 3

Date of issue: 2019-09-11

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 60079-18:2014 Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"
Edition:4.0

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

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/ExTR19.0030/00](#)

Quality Assessment Report:

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



IECEx Certificate of Conformity

Certificate No.: **IECEx SEV 19.0029**

Page 3 of 3

Date of issue: 2019-09-11

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

LED Explosion Proof Light Type: BC5402A Series and BC5402C Series

The BC5402A series and BC5402C series explosion proof light are mainly composed of a shell body and a plastic lampshade: for A series, an 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 C 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. The lampshade is cemented with DOWSIL 7091 glue to the shell body. The lens is cemented with EP1282 epoxy resin to the light source as "mb" type of protection and WR9108 two-component addition silicone rubber is used to encapsulate the "mb" power driver. Ex certified terminals are used for connection to external circuits. Both external and internal earthings are provided.

Ratings:

A series: 120-240 V AC 50/60 Hz, 20 W/30 W/40 W/50 W/60 W; 200-240 V AC 50/60 Hz, 80 W

C series: 200-240 V AC 50/60 Hz, 20 W/30 W/40 W/50 W/60 W/80 W/100 W

Classification of installation and use: Stationary

Ingress protection: IP66/67

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

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

SPECIFIC CONDITIONS OF USE: NO