



[1] EU-TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protective System intended for use in potentially explosive atmospheres - Directive 2014/34/EU – Annex III – MODULE B: EU-TYPE EXAMINATION

[3] EU-type Examination Certificate number: **IMQ 25 ATEX 028 X**

[4] PRODUCT: **Maintenance free energy-saving explosion-proof lamp**
TYPE/SERIES: **BC9200-L****

[5] MANUFACTURER: **Zhejiang Tormin Electrical Co., Ltd.**

[6] ADDRESS: **No. 2, Gangteng Road, Yongxing Subdistrict, Longwan District, Wenzhou City, Zhejiang Province 325024, China**

[7] This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documents therein referred to.

[8] IMQ, notified body N° 0051, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in Report No.: **AT24-0112423-01**

[9] Compliance with Essential Health and Safety Requirements, except in respect of those listed at item 18 of the annex, has been assured by compliance with:

EN IEC 60079-0:2018; EN 60079-1:2014; EN 60079-7:2015; EN IEC 60079-7:2015/A1:2018; EN 60079-31:2014

Other reference standards: EN IEC 60079-31:2024

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:

 **II 2G Ex db eb IIC T6 Gb**
II 2D Ex tb IIIC T80°C Db

THIS CERTIFICATE CANCELS AND REPLACES THE PREVIOUS ONE. IT INCLUDES 1 ANNEX.

FIRST 2025/05/29

ISSUE

CURRENT ISSUE 2025/05/29

PREVIOUS
ISSUE

EXPIRING DATE 2035/05/28

B.U. PRODUCT
CERTIFICATION SECTOR - MANAGER

This Certificate may only be reproduced in its entirety and without any change. It is subject to the general rules for assessing conformity to community directives for which IMQ operates as notified body n°. 0051 and to the special requirements for Directive 2014/34/EU (ATEX) "Equipment and protective systems for potentially explosive atmospheres" annex III - MODULE B - EU Type-examination.



PRD N° 005 B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC
Mutual Recognition Agreements

[13] Annex

[14] EU-type Examination Certificate number: **IMQ 25 ATEX 028 X**

[15] Description of product:

BC9200 series maintenance free energy-saving explosion-proof lamp consists of an Ex d light source chamber and an Ex e wiring chamber. Metallic enclosure, PC lampshade. There are eight models (table below) with the same structure. Three types of cable entries including G 1/2", NPT1/2", M20×1.5. Cable entries with G thread are certificated with clamping nut and sealing ring as cable gland integrally with the equipment and cable entries with NPT1/2", M20×1.5 shall be installed with separated certified cable glands.

[15.1] Models/Series Identification:

Model	Rated power	Rated voltage
BC9200-L6	6W	AC100-240V 50Hz/60Hz
BC9200-L12	12W	
BC9200-L15	15W	
BC9200-L20	20W	
BC9200-L6D	6W	AC20-40V 50Hz/60Hz DC20-50V
BC9200-L12D	12W	
BC9200-L15D	15W	
BC9200-L20D	20W	

[15.2] **Ratings:** depending on models as per [15.1]

AC 100~240V, 50/60 Hz
AC 20~40V, 50/60Hz
DC 20~50V

[15.3] **Safety Ratings:** N/A

[15.4] **Ambient temperature and temperature classes:**

Ambient temperature range: from -20°C to +55°C. Temperature class: T6 for EPL Gb, T80°C for EPL Db.

[15.5] **Degree of protection (IP code):**

IP66

[15.6] **Warnings:**

WARNING - DO NOT OPEN WHEN ENERGIZED .

WARNING-POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS.SEE INSTALLATION

[16] **Report:** AT24-0112423-01

[16.1] **Routine (factory) tests:**

The manufacturer shall carry out the routine test prescribed at clauses 27 of the EN 60079-0.

[13] Annex

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Static overpressure test in accordance with IEC/EN 60079-1 clause 15.2.3 shall be conducted: 1.10 MPa (11 bar), for a period at least 10 s.

Dielectric test in accordance with IEC/EN 60079-7 clause 7.1 shall be conducted:

- o BC9200-00.1- BC9200-00.2- BC9200-00.3- BC9200-00.4: 1500V
- o BC9200-00.5- BC9200-00.6- BC9200-00.7- BC9200-00.8: 500V

Test duration is at least 1 minute, or at least 100ms if test voltage is 1.2 times nominal voltage.

[16.2] **Conformity with the documentation:**

The manufacturer shall carry out the verifications or tests necessary to ensure that the product complies with the documentation.

Marking the equipment in accordance with Clause 29 of EN 60079-0, the manufacturer attests on his own responsibility that:

- the equipment has been constructed in accordance with the applicable requirements of the relevant standards in safety matters;
- the routine verifications and routine tests in 28.1 of EN 60079-0 have been successfully completed with positive results.

[16.3] **Installation conditions:**

Above referred equipment is foreseen to be installed in locations where there are environmental conditions, as clearly specified at clause 1, par. 2 of EN 60079-0.

Installation and use in atmospheric and environmental conditions that are out of above-mentioned intervals request special considerations and additional measures by the side of installer or user.

These should be specified to the manufacturer by the user;

It is not a required by applicable standard listed in [9] that the certification body confirm suitability for the adverse conditions.

Installation of equipment has to proceed according to EN 60079-14.

[17] **Specific Condition of use (X):**

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

The product is installed in explosive gas and dust atmosphere. When equipment is provided with NPT or metric threads entries, separate certified cable glands or blanking elements with Ex marking Ex eb IIC Gb and Ex tb IIIC Db, IP66 shall be used for installation.

The equipment is not foreseen to be re-lamped during maintenance or installation in field. See Instructions.

[18] **Essential Health and safety Requirements:**

This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed in [9].

This Certificate **does not** cover hazards coming from environmental conditions different from those clearly and precisely indicated and covered in clause 1 of EN 60079-0.

ESHR 1.2.7 According Annex VIII of the Directive

ESHR 1.4 Not verified.

ESHR 1.5 Not verified.

ESHR 3 Not applied.

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at [9], the following are considered relevant to this product, and conformity is demonstrated in the report: none.

[13] **Annex**

[14] EU-type Examination Certificate number: **IMQ 25 ATEX 028 X**

[19] **Descriptive documents:** DL- AT24-0112423-01, issue 0, dated 2025-05-29.

[20] **Certification Validity Conditions:**

The use of this Certificate is subject to the Certification Scheme and to the Regulation applicable to holders of IMQ Certificates.

The validity of this certificate is subject to the condition that the manufacturer complies with the results of the document review and of the pertinent requirement if any included, recorded in the relevant copy of documentation as per 19.

One copy of the mentioned documentation is kept in IMQ file.

[21] **Variations**

Issue 0