

(1) EU-TYPE EXAMINATION CERTIFICATE



(2) Equipment and Protective Systems intended for use in
Potentially Explosive Atmosphere - **Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number:

TÜV 20 ATEX 8580 X

Issue: 01

(4) Equipment: **LED Explosion proof Flashlight
Model: BW7320**

(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 product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which 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 atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report GC / Ex8580.01 / 20.

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN IEC 60079-0: 2018

EN 60079-11: 2012

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment 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 specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment shall include the following:



II 2 G

Ex ib IIC T4 Gb

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz


Yang Wang

Cologne, 2025-09-24

This EU-Type Examination Certificate without signature and stamp shall not be valid and may be circulated only without alteration.
Extracts or alterations are subject to approval by Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH.
Am Grauen Stein • 51105 Köln • Tel. +49 (0) 221 806-0 • Fax. + 49 (0) 221 806 114

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Annex to

EU-Type Examination Certificate

TÜV 20 ATEX 8580 X

Issue: 01

(15) Description of Equipment

Equipment and type:

Product name: LED Explosion proof Flashlight
Model: BW7320

General product information:

Description

The flashlight protection type is intrinsically safety, powered by a single Lithium battery. The flashlight has an aluminium enclosure.

This product can be used in Zone 1 and Zone 2, where there is explosive gas mixture belongs IIA, IIB and IIC.

Type code:

Only one model.

Details of Change:

Update the manufacturer's address.

Technical data:

Electrical data:
Rating Voltage: 3.6V
Rating Power: 3.0W

Environmental data:
Ambient temperature range: -20°C ~ +45°C
IP rating: IP20

(16) Test report No.: GC / Ex8580.01 / 20

(17) Special Conditions for safe use

1. Do not open and replace battery when an explosive atmosphere is present.
2. Use only TORMIN 18650-1S1PD BATTERY PACK.
3. Do not charge the battery in hazardous location.
4. Only the special charger of this product(with charging protector) can charge the BW7320 flashlight.

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TÜV 20 ATEX 8580 X

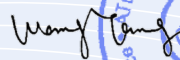
Issue: 01

(18) Essential Health and Safety Requirements

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

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