

[1] **EU-TYPE EXAMINATION CERTIFICATE - Translation**



[2] Equipment or protective systems  
intended for use in potentially explosive atmospheres, Directive 2014/34/EU

[3] EU-type examination certificate number **IBExU20ATEX1092** | Issue 0

[4] Product: **Explosion-proof LED light fitting**  
Type: e9312

[5] Manufacturer: Adolf Schuch GmbH, Lichttechnische Spezialfabrik

[6] Address: Mainzer Straße 172  
67547 Worms  
GERMANY

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] IBExU Institut für Sicherheitstechnik GmbH, notified body number 0637 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 products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential test report IB-20-3-0031.

[9] Compliance with the essential health and safety requirements has been assured by compliance with: EN IEC 60079-0:2018, EN IEC 60079-7:2015/A1:2018, EN 60079-18:2015 and EN 60079-31:2014 except in respect of those requirements listed at item [18] of the schedule.

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the specific conditions of 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 product shall include the following:

II 2G Ex eb mb IIC T4 Gb  
 II 2D Ex tb IIC T80 °C Db  
-25 °C ≤ T<sub>amb</sub> ≤ +40 °C

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By order

Dipl.-Ing. [FH] Henker



Certificates without signature and seal are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

Freiberg, 2020-08-05

**[13] Schedule****[14] Certificate number IBExU20ATEX1092 | Issue 0****[15] Description of product**

The Explosion-proof LED light fitting type e9312 is used to illuminate factory shops and stores. It is suitable for the operation in hazardous areas of zone 1 and 21.

The luminaire consists of the enclosure, made of die-cast aluminium, the light-transmitting cover, the driver on board LED module as well as terminals. The cable entry is carried out by means of cable glands.

Optionally the light fitting may be provided with a protection guard and terminals for loop-wiring.

Technical data:

- rated voltage: 220...240 V AC (50...60 Hz) or DC
- voltage range: 198...264 V AC/DC
- input power: 11 W (typ.)
- ambient temperature range: -25 °C up to +40 °C
- loop-wiring: 3x 16 A, minimum 2.5 mm<sup>2</sup>

**[16] Test report**

The test results are recorded in the confidential test report IB-20-3-0031 of 2020-08-03.

The test documents are part of the test report and they are listed there.

*Summary of the test results*

The Explosion-proof LED light fitting type e9312 fulfils the requirements of explosion protection for Equipment Group II, Category 2G and 2D, type of protection Increased safety „e“ in combination with encapsulation “m” as well as protection by enclosure “t”.

**[17] Specific conditions of use**

None

**[18] Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item [9], the following are considered relevant to this product, and conformity is demonstrated in the test report:

None

**[19] Drawings and Documents**

The documents are listed in the test report.

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