



[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 **IBExU20ATEX1117** | Issue 0

[4] Product: **LED-High Bay / LED-Floodlight**  
Type: e882\* L\*\*\* \* ...

[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-19-3-0077.

[9] Compliance with the essential health and safety requirements has been assured by compliance with: EN IEC 60079-0:2018, EN 60079-5:2015, 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:

**Ex II 2G Ex eb mb q IIC T4 Gb**  
**Ex II 2D Ex tb IIIC T100 °C Db**  
-40 °C ≤ T<sub>amb</sub> ≤ +55 °C (maximum values)

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By order

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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, 2020-09-30

[13] **Schedule**

[14] **Certificate number IBExU20ATEX1117 | Issue 0**

[15] **Description of product**

The LED-High Bay / LED-Floodlight of series e882\* L\*\*\* \* ... is used to illuminate factory workshops and industrial sites. It is suitable for the operation in hazardous areas of zone 1 and 21.

The LED-High Bay / LED-Floodlight consists of the component enclosure and up to six module housings, which are assembled at the two long sides of the component enclosure. The module housings contain the LED modules, which can be fitted with different optics.

The component enclosure contains the terminals as well as up to two LED gear and the monitoring module, optionally.

Technical data:

- rated voltage: 220...250 V AC (50...60 Hz)  
176...264/275 V DC
- input power: maximum 250 W
- ambient temperature range: -40 °C up to +55 °C

As an option, the LED-High Bay / LED-Floodlight type e882\* L\*\*\* \* can also be provided with terminals for through-wiring. A maximum of 3 wires with 16 A (2.5 mm<sup>2</sup>) or 20 A (4 mm<sup>2</sup>) are allowed.

These values are maximum values. The actual electrical values are determined by the built-in components. The manufacturer has been specified the rated values and ambient temperature range in the context of these limiting values and ensures compliance with the maximum surface temperature of the equipment and the permissible operating temperature of the components.

Further details are specified in the operation manual as well as in the documents of the manufacturer which are part of the test report.

[16] **Test report**

The test results are recorded in the confidential test report IB-19-3-0077 of 2020-09-29.

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

*Summary of the test results*

The LED-High Bay / LED-Floodlight type e882\* L\*\*\* \* mentioned in [4] 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” and powder filling “q” and protection by enclosure “tb”.

[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:

[19] **Drawings and Documents**

The documents are listed in the test report.

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