



# 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](http://www.iecex.com)

Certificate No.: **IECEX IBE 20.0013** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-08-05

Applicant: **Adolf Schuch GmbH**  
Lichttechnische Spezialfabrik  
Mainzer Straße 172  
67547 Worms  
Germany

Equipment: **Explosion-proof LED light fitting of series e9312**

Optional accessory:

Type of Protection: **increased safety "e" in combination with encapsulation "m" or protection by enclosure "t"**

Marking: Ex eb mb IIC T4 Gb  
Ex tb IIIC T80 °C Db  
-25 °C ≤ T<sub>amb</sub> ≤ +40 °C

Approved for issue on behalf of the IECEx  
Certification Body:

**Alexander Henker**

Position:

**Deputy Head of department Certification Body**

Signature:  
(for printed version)

*A. Henker*

Date:

*2020-08-05*

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2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

**IBExU Institut für Sicherheitstechnik GmbH**  
Fuchsmühlenweg 7  
09599 Freiberg  
Germany



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Certificate No.: **IECEx IBE 20.0013** Page 2 of 3

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Manufacturer: **Adolf Schuch GmbH**  
Lichttechnische Spezialfabrik  
Mainzer Straße 172  
67547 Worms  
Germany

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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

IEC 60079-18:2017 Explosive atmospheres - Part 18: Protection by encapsulation "m"  
Edition:4.1

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

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

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:

[DE/IBE/ExTR20.0022/00](#)

Quality Assessment Report:

[DE/PTB/QAR09.0004/05](#)



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Page 3 of 3

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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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 (typically)
ambient temperature range:	-25 °C up to +40 °C
loop-wiring:	3 x 16 A, minimum 2.5 mm <sup>2</sup>

SPECIFIC CONDITIONS OF USE: NO