



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

Certificate No.: **IECEX IBE 20.0028** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-09-30

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

Equipment: **Explosion-proof LED-High Bay / LED-Floodlight of series e882* L*** * ...**

Optional accessory:

Type of Protection: **Increased safety "e" in combination with powder filling "q" and encapsulation "m" or protection by enclosure "t"**

Marking: Ex eb mb q IIC T4 Gb
Ex tb IIIC T100 °C Db
-40 °C ≤ T_{amb} ≤ +55 °C (maximum values, depending on type)

Approved for issue on behalf of the IECEx
Certification Body:

Alexander Henker

Position:

Deputy Head of department Certification Body

Signature:
(for printed version)

Date:

2020-09-30

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg
Germany



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Manufacturer: **Adolf Schuch GmbH**
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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 60079-5:2015 Explosive atmospheres –Part 5: Equipment protection by powder filling "q"
Edition:4.0

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/ExTR20.0034/00](#)

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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 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, 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 mm²) or 20 A (4 mm²) are allowed.

These values are maximum values. The actual 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. Through-wiring, selection of the cable and cable gland may be restricted in some types of the luminaire.

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

SPECIFIC CONDITIONS OF USE: NO