



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 19.0028** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-01-14

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

Equipment: **LED hand lamp type e9310**

Optional accessory:

Type of Protection: **Increased safety in combination with encapsulation and optical radiation or protection by enclosure in combination with optical radiation**

Marking: Ex eb mb op is IIC T4 Gb
Ex op is tb IIIC T80 °C Db
-25 °C ≤ T_{amb} ≤ +40 °C

Approved for issue on behalf of the IECEx
Certification Body:

Alexander Henker

Position:

Deputy Head of Certification Body

Signature:
(for printed version)

Date:

2020-01-14

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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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 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

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/ExTR19.0013/00](#)

Quality Assessment Report:

[DE/PTB/QAR09.0004/04](#)



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Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The LED hand lamp is used in areas where general lighting is not sufficient. The hand lamp consists of a separately certified LED-module and terminals, the handle made of EPDM and the light-transmitting cover which is protected by a guard made of steel.

Technical data:

Rated voltage:	220 ... 240 V AC (50...60 Hz) or 198 ... 264 V DC
Input power:	11 W (typ.)
Ambient temperature range:	-25 °C ... +40 °C

SPECIFIC CONDITIONS OF USE: NO