



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 16.0010	Page 1 of 4	Certificate history:
Status:	Current	Issue No: 3	Issue 2 (2020-05-08) Issue 1 (2016-07-20) Issue 0 (2016-03-10)
Date of Issue:	2022-03-21		
Applicant:	Adolf Schuch GmbH, Lichttechnische Spezialfabrik Mainzer Straße 172 67547 Worms Germany		
Equipment:	LED linear luminaire type e 865* ***** and t 868* *****		
Optional accessory:			
Type of Protection:	Increased safety, encapsulation, powder filling, intrinsic safety, flameproof enclosure, protection by enclosure		
Marking:	type e 865* ***** (depending on the components used) Ex eb mb q IIC T4 Gb Ex db eb mb q IIC T4 Gb Ex eb ib mb q IIC T4 Gb Ex db eb ib mb q IIC T4 Gb Ex tb IIIC T80 °C Db type t 868* ***** Ex tb IIIC T80 °C Db		

Approved for issue on behalf of the IECEx
Certification Body:

Alexander Henker

Position:

Deputy Head of department Certification Body

Signature:
(for printed version)

Date:
(for printed version)

2022-03-21

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 Lichttechnische Spezialfabrik**
Mainzer Straße 172
67547 Worms
Germany

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

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 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[IEC 60079-18:2017](#) Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

[IEC 60079-31:2022-01](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

[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 Reports:

[DE/IBE/ExTR15.0002/00](#)
[DE/IBE/ExTR15.0002/03](#)

[DE/IBE/ExTR15.0002/01](#)

[DE/IBE/ExTR15.0002/02](#)

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 linear luminaire type e 865* ***** is used to illuminate factory shops and stores. It is suitable for the operation in hazardous areas of zone 1 and 21. Type t 868* ***** is exclusively intended for the use in zone 21.

The luminaire consists of the polyester enclosure with fasteners made of stainless steel, the reflector with the assembled LED boards, terminals and LED control gear as well as a light-transmitting cover made of polycarbonate.

The use of different internal components distinguishes type t 868 from e 865.

Technical data:

rated voltage:	220...250 V AC (50 / 60 Hz) or 176...275 V DC
input power:	up to 75 W
Through-wiring/looping:	up to 12 x $\geq 2.5 \text{ mm}^2$ (max. 4 x 16 A)
ambient temperature range:	-40 °C up to 70 °C

These values are maximum values. The actual values are determined by the built-in components. The manufacturer 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. The corresponding rated values / restrictions are indicated in the manufacturer's instructions.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- The light-transmitting cover may be manufactured from an alternate material.
- The ambient temperature range has been extended.
- The luminaire complies with the requirements of IEC 60079-31, Ed. 3.