



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 15.0015** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2016-03-10

Applicant: **Adolf Schuch GmbH, Lichttechnische Spezialfabrik
Mainzer Str. 172, 67547 Worms
Germany**

Equipment: **LED linear luminaire nD 866. 12L...**

Optional accessory:

Type of Protection: **increased safety, protection by enclosure, flameproof enclosure, powder filling**

Marking: Ex ec IIC T4 Gc
Ex ec q IIC T4 Gc
Ex d ec IIC T4 Gc
Ex tc III C T80°C Dc
-30 °C.....+65 °C

Approved for issue on behalf of the IECEx
Certification Body:

Prof. Dr. Tammo Redeker

Position:

Head of Certification Body

Signature:
(for printed version)

Date:

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
Certification Body
Fuchsmühlenweg 7
09599 Freiberg
Germany**





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Manufacturer: **Adolf Schuch GmbH, Lichttechnische Spezialabrik**
Mainzer Str. 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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1:2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

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

IEC 60079-5:2007-03 Explosive atmospheres - Part 5: Equipment protection by powder filling "q"
Edition:3

IEC 60079-7:2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

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/ExTR15.0039/00](#)

Quality Assessment Report:

[DE/PTB/QAR09.0004/02](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The LED linear luminaire type nD 866. 12L... is used to illuminate factory and depot sites in areas with potentially explosive atmospheres of zone 2 and 22. The luminaire consists of a polyester enclosure with fasteners made of stainless steel, a reflector with assembled LED boards, LED control gear and terminals, as well as a light-transmitting cover made of polycarbonate.

Technical data:

Rated voltage: 220 V...240 V AC; 176 V...264 V DC

Input power: up to approx. 75 W

Through-wiring / looping: up to $12 \times \geq 2.5 \text{ mm}^2$ (max. $4 \times 16 \text{ A}$)

Ambient temperature: -30 °C...+65 °C

These values are maximum values. The actual values are determined by the built-in components. The manufacturer specifies the rated values 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 glands may be restricted in some types of the luminaire. The corresponding rated values / restrictions are indicated in the manufacturer's instructions.

SPECIFIC CONDITIONS OF USE: NO