



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 EPS 19.0109X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2021-05-26
Applicant: **WISKA Hoppmann GmbH**
Kisdorfer Weg 28
24568 Kaltenkirchen
Germany
Equipment: **LED Ex luminaire type 4201-*x**_***_***_***_***_***_*****
Optional accessory:
Type of Protection: **db, eb, tb**
Marking: Ex db eb IIC T5...T6 Gb
Ex tb IIIC T100°C...T85°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Holger Schaffer

Position:

Head of Certificaton

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:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: **WISKA Hoppmann GmbH**
Kisdorfer Weg 28
24568 Kaltenkirchen
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 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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/EPS/ExTR19.0113/00](#)

Quality Assessment Report:

[DE/PTB/QAR11.0006/05](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The LED Ex light 4201 is used to illuminate surfaces in potentially explosive areas. It is available in 4 different performance variants. The LED Ex light consists of one Stainless steel housing with junction box. It has one or two LED light tubes. The light tubes are made of polycarbonate. It is attached to walls or ceilings with the back Stainless steel mounting bracket. The connection box is sealed with a silicone seal in the cover. The LED Ex light is approved for outdoor use and meets protection class IP66 / 68.

Temperature class depends on max current, max. ambient temperature and wire cross section, see manual.

Degree of protection IP66/68

Ambient temperature range Ta -30 °C up to +50°C / +55 °C

Electrical rating:

Voltage: max. 24 VDC
max. 110-230V 50/60 Hz

Power: 1x13 W to 2x26 W depending on type

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Only separately certified cable glands which comply with the type of protection should be used.
2. Luminaires with four powered terminal blocks must be equipped with cable glands that have a temperature resistance of at least 75°C.
3. Luminaires with eight powered terminal blocks must be equipped with cable glands that have a temperature resistance of at least 100°C.
4. The lamp tubes were tested with the low impact energy (2 Joule). They should be mounted in a way that they are protected against the risk of high impact.
5. Lamp tubes shall be cleaned only with damp cloth.



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Additional information:

The routine test according to 16.1.1 of IEC 60079-1:2014 has to be carried out with an over pressure of at least 30,81 bar for the long tubes and at least 18,53 bar for the short tubes.