



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx TUR 15.0022X Issue No: 0 Certificate history:
Issue No. 0 (2015-11-10)

Status: Current Page 1 of 3

Date of Issue: 2015-11-10

Applicant: WISKA Hoppmann & Mulsow GmbH
Kisdorfer Weg 28,
24568 Kaltenkirchen
Germany

Electrical Apparatus: Explosion Protected Ceiling Lights
Optional accessory:

Type of Protection: Flameproof enclosure, increased safety, dust protected

Marking:

Ex de IIC T6...T3 Gb Typ 3312..
Ex d IIC T6 ... T3 Gb Typ 3314..
Ex tb IIIC T85°C ... T200°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Dipl.-Ing. Klauspeter Graffi

Position:

Head of Certification Body

Signature:
(for printed version)

Date:


2015-11-10

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany





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Manufacturer: **WISKA Hoppmann & Mulsow GmbH**
Kisdorfer Weg 28,
24568 Kaltenkirchen
Germany

Additional Manufacturing
location(s):

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 electrical apparatus 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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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/TUR/ExTR15.0025/00](#)

Quality Assessment Report:

[DE/PTB/QAR11.0006/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

General product information:

The Explosion Protected Ceiling Lights are intended for use in gas- or dust explosive atmospheres.
Details see Annex

CONDITIONS OF CERTIFICATION: YES as shown below.

Annex:

[DE-IECEx_TUR_14 0022X_00_Attachment.pdf](#)



Attachment to Certificate
IECEX TUR 15.0022 X
Revision 0

Attachment to to Certificate IECEX TUR 15.0022 X

Device: Explosion Protected Ceiling Light
type 3312/*/**/*/**W/***) and type 3314/*/**/*/**W/***)

Manufacturer: WISKA Hoppmann & Mulsow GmbH

Address: Kisdorfer Weg 28,
24568 Kaltenkirchen
Germany

Type code:

331*/	*/	*/	(**W)/	(***)
1	2	3	4	5

- 1 = Type designation
 - 3312 = Type designation for the overhead lamp with connection box "e"
 - 3314 = Type designation with direct cable lead in.

- 2 = Angabe der Anzahl und Lage der Kabeleinführung:
 - D = two cable glands at the side of the connection box (only type 3312/* ...)
 - 2 = two cable glands in direct lead in (only type 3314/* ...)
 - L = one cable gland at the left side
 - R = one cable gland at the right side

- 3 = Specification of the mounted in lamp holder e.g.:
 - E27 = Lamp holder with Edison-thread 27mm
 - B22 = Lamp holder with bayonet 22mm
 - etc.

- 4 = Specification of the lamp power of the mounted in Lamp (only if delivered with lamp),for example:
 - 60W = Lamp with 60 W power
 - 100W = Lamp with 100 W power
 - 200W = Lamp with 200 W power
 - etc.

- 5 = Specification of size and sort of cable gland (only if delivered with cable glands), f.e.
 - 2x24-Z14 = two cable glands with rated size M24 with earth link 14 mm
 - 1x20-W10/1xVSM20 = one cable gland rated size M20 without earth links
For cable diameter 10 mm and one blind plug M20
 - etc.



General product information:

The Explosion Protected Ceiling Lights are intended for use in gas- or dust explosive atmospheres.

The Ceiling Lights essentially consists of an enclosure made of cast brass a protective glass and a protective brass wire basket.

For gas explosion protection the lamp bodys are designed in type of protection flameproof enclosure. The type 3312/*/**/*/**/*/**/*/**/*/**/* is equipped with a cast-on connecting box in type of protection increased safety. The type 3314/*/**/*/**/*/**/*/**/* is not equipped with a terminal box, for this cables are directly lead in the flameproof enclosure.

For the dust explosion protection the enclosures fulfill the additional requirements of IEC 60079-31.

The Ceiling Lights can be equipped with separately tested and certified cable glands in the respective type of protection.

Technical data

Rated voltage	max.	250	V
Rated frequency		50/60	Hz
Rated current	max.	4	A
Rated cross-section of the bushings	max.	2,5	mm ² (single wire)
No. and wire cross-section for the bushing		2 x 2,5	mm ² (single wire)
		1 x 2,5	mm ² (fine wire)
Degree of protection acc. IEC 60529		IP66/67	
Ambient temperature range	Ta	-40 °C up to +45° C	
	resp.	-40 °C up to +55° C	
Dependent of the used lamp			

For use in explosive gas atmosphere

Position of use: Max. ambient temperature:	hanging		any	
	+45°C	+55°C	+45°C	+55°C
Incandescent lamp 60W	T5	T4	T4	T4
Incandescent lamp 100W	T4	T4	T4	T4
Incandescent lamp 200W	T4	T3	T3	T3
Blended lamp HWL 160W ^{a)}	T3	-- ^{a)}	T3	-- ^{a)}
Compact fluorescent lamp E27 to 23W	T6	T6	T6	T5
LED-Lamp E27 to 18W	T6	T6	T6	T5

For use in explosive dust atmosphere

Position of use: Max. ambient temperature:	hanging		any	
	+45°C	+55°C	+45°C	+55°C
Incandescent lamp 60W	T100°C	T135°C	T135°C	T135°C
Incandescent lamp 100W	T135°C	T135°C	T135°C	T135°C
Incandescent lamp 200W	T135°C	T200°C	T200°C	T200°C
Blended lamp HWL 160W ^{a)}	T200°C	--	T200°C	--
Compact fluorescent lamp E27 to 23W	T85°C	T85°C	T85°C	T100°C
LED-Lamp E27 to 18W	T85°C	T85°C	T85°C	T100°C

^{a)} The mounting of this luminary is only in hanging or standing position possible because the blended lamp only operates in those positions. Additionally the use is limited to a max. ambient temperature of +45 °C.