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 FTZU 24.0020X**

Certificate history:

Status: **Current**

Issue No: 0

Date of Issue: 2025-02-21

Applicant: **Zumtobel Lighting GmbH**
Schweizer Straße 30
Dornbirn 6850
Austria

Equipment: **Luminaire, type EXDURA series**

Optional accessory:

Type of Protection: **Restricted-breathing enclosure "nR"; Dust protection "t"; Optical radiation protection "op"**

Marking: Ex nR IIC T6 Gc
or
Ex nR IIC T5 Gc

see Specific conditions of use

Ex tb op is IIIC T85°C Db

Approved for issue on behalf of the IECEx Certification Body: **Dlpl. Ing. Lukáš Martinák**

Position: **Head of the Certification Body**

Signature:
(for printed version)

Date:
(for printed version)

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:

Fyzikalne technicky zkusebni ustav
(Physical -Technical Testing Institute)
Pikartska 7, 71607 Ostrava - Radvanice
Czech Republic

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Certificate No.: **IECEx FTZU 24.0020X**

Date of issue: 2025-02-21 Issue No: 0

Manufacturer: **Zumtobel Lighting GmbH**
Schweizer Straße 30
Dornbirn 6850
Austria

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 60079-15:2017 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:5.0

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

IEC 60079-31:2022 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

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:

CZ/FTZU/ExTR24.0020/00

Quality Assessment Report:

CZ/FTZU/QAR24.0003/00

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The luminaire consists of two separate parts (light and driver part). The light part consists of an aluminium cooler, a silicone seal, an aluminium frame, a glass window and an LED module. The body of the radiator and the cover plate are connected by screws. The driver part is composed of an aluminium profile with side covers sealed with silicone gaskets fixed with screws and internal electrical equipment located on the mounting plate. Input of power supply cable is via Ex- threaded cable gland M20x1,5 or M25x1,5. Both parts are connected by cable via Ex - threaded cable glands M12x1.5. Unused inputs are blinded with Ex- threaded plugs. The driver part is the same for all variants of the luminaire, the number of separate modules of the lighting part can be changed in the range from one to a maximum of four modules, which are identical. The used optical system located on the LED module can be in the range of 30° to 90° or without an optical system. It is possible to use an adjustable boom or hanging eyes to attach the luminaire.

Marking of luminaires: See Annex to the certificate No. IECEx FTZU 24.0020X, Issue No: 0.

Technical parameters:
Nominal Voltage Un: 220 ÷ 240 VDC or 220 ÷ 240 VAC; 50/60 Hz

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Ambient temperature: See Annex to the certificate No. IECEx FTZU 24.0020X, Issue No: 0.

2. The luminaire is intended for fixed installation and must be labelled “Warning - potential danger of electrostatic charging“ – see manufacturer's Technical conditions of the luminaires installation.

3. The power supply cable shall be effectively fixed to prevent pulling or twisting.

4. The Technical conditions of the luminaires installation established by the manufacturer must be complied.

Annex:

Annex_to_IECEx_FTZU_24_0020X00.pdf

Applicant: **Zumtobel Lighting GmbH**
Address: Schweizer Straße 30, Dornbirn 6850, Austria

Electrical Apparatus: **Luminaire, type EXDURA series**

Type code marking of luminaire:

EXDURA: ** ** *****-*** ** ***

Electrical control
- LDO
- EVG

Light distribution
- NB
- MB
- WB
- AB
- NO

Correlated color temperature
- 27
- 30
- 35
- 40
- 50
- 57
- 65

Color rendering index
- -8
- -9

Lumen output
- 5500
- 9000
- 10500
- 11000
- 15500
- 17000
- 21000
- 21000
- 22500
- 26000
- 31000
- 41500

Dimensions
- S (small)
- M (medium)
- L (large)
- XL (extra- large)

Ambient temperature
- HT (high temperature)
- XT (extreme temperature)
- LT (low temperature)

Luminaire series

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Applicant: **Zumtobel Lighting GmbH**
Address: Schweizer Straße 30, Dornbirn 6850, Austria

Electrical Apparatus: **Luminaire, type EXDURA series**

Legend:

HT	High temperature
XT	Extreme temperature
LT	Low temperature
S	Small
M	Medium
L	Large
XL	Extra-large
NB	Narrow beam
MB	Medium beam
WB	Wide beam
AB	Asymmetric beam
NO	No optics
LDO	DALI dimmable
EVG	Fixed output
FROST	-40°C ≤ Ta ≤ +50°C, Temperature class T6
T40	-20°C ≤ Ta ≤ +40°C, Temperature class T6
T50	-20°C ≤ Ta ≤ +50°C, Temperature class T6
T60	-20°C ≤ Ta ≤ +60°C, Temperature class T5
T70	-20°C ≤ Ta ≤ +70°C, Temperature class T5

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