



Physical-Technical Testing Institute
Ostrava - Radvanice



Type Examination Certificate

(1)

(2)

Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)

(3) Type Examination Certificate number:

FTZÚ 23 ATEX 0077X

(4) Product: **Luminaire type EXTONA**

(5) Manufacturer: **Zumtobel Lighting GmbH**

(6) Address: **Schweizer Strasse 30, 6850 Dornbirn, Austria**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014.

The examination and test results are recorded in confidential Report number:

23/0077 dated 22.04.2024

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN IEC 60079-15:2010, EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

(11) This type examination certificate relates only to the design of the specified product and not to specific items of equipment subsequently manufactured.

(12) The marking of the product shall include the following:

 **II 3G Ex nR IIC T6 Gc**

 **II 3D Ex tc IIIC T80°C Dc**

This certificate is valid till: **30.04.2029**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: **23.04.2024**

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**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13)

Schedule

(14)

Type Examination Certificate No. FTZÚ 23 ATEX 0077X

(15) Description of Product:

The luminaire type EXTONA (non-maintained emergency lighting) with degree of protection IP 66 is composed of three parts: body with exchangeable sealing and light-transmitting cover from polycarbonate and varnished steel plate (reflector) with electrical package. The body and optical cover are connected by stainless steel clips. The body is equipped by Ex- cable glands (resp. Ex- blanking elements). On the reflector are installed 2x three-pole or multi-pole terminal block WAGO for connection of power cable with wires to 2.5 mm², LED drivers or emergency units and battery pack type VBA-N. As the light sources there are used LED modules, which are fixed on the reflector.

Electrical parameters: Nominal Voltage: 220-240 V AC; 50/60 Hz

TYPE CODING OF LUMINAIRE:

EXTONA: * ****_*** ** *

Emergency unit	E1 E3 E3D	
Through wiring	TW	
Electrical control	LDO EVG	
CRI + CCT + Light Distribution	840 MB (CRI80 + 4000K + MB) 840 NB (CRI80 + 4000K + NB) XX (further options on request)	Different versions without influence on explosion protection
Lumen output	1200 2300 3400 4500 6500 7500 11000 12000 13500 15000 18000	
Dimension	S (Small) M (Medium) L (Large)	
Luminaire series		

The luminaire and its variants are evaluated according to the standard EN IEC 60079-15:2019.

Responsible person:

Lukáš Martinák
Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 23.04.2024

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(13)

Schedule

(14)

Type Examination Certificate No. FTZÚ 23 ATEX 0077X

(16) Report Number: 23/0077

(17) Specific Conditions of Use:

1. Ambient temperature range: $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C}$ – EXTONA S 1200-840 MB
 $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$ – EXTONA S 2300-840 MB
 $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$ – EXTONA M 2300-840 MB
 $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$ – EXTONA M 4500-840 MB
 $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$ – EXTONA L 3400-840 MB
 $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$ – EXTONA L 6500-840 MB
 $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C}$ – EXTONA L 11000-840 MB
 $0^{\circ}\text{C} \leq T_{\text{amb}} \leq +35^{\circ}\text{C}$ – EXTONA S 1200-840 MB E3
 $0^{\circ}\text{C} \leq T_{\text{amb}} \leq +35^{\circ}\text{C}$ – EXTONA S 2300-840 MB E3
 $0^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$ – EXTONA M 2300-840 MB E3
 $0^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$ – EXTONA M 4500-840 MB E3
 $0^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$ – EXTONA L 3400-840 MB E3
 $0^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$ – EXTONA L 6500-840 MB E3
 $0^{\circ}\text{C} \leq T_{\text{amb}} \leq +30^{\circ}\text{C}$ – EXTONA L 11000-840 MB E3
2. The luminaire is intended for fixed installation and must be labelled "Warning - potential danger of electrostatic charging" - see Technical conditions.
3. The power supply cable shall be effectively fixed to prevent pulling or twisting.
4. The Technical conditions of maintenance must be complied.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this certificate and standard EN IEC 60079-15:2019.

(19) Drawings and Documents:

Number	Issue	Sheets	Date	Description
--	1.5	9	22.04.2024	Technical documentation Extona
42190034	-	1	12.03.2024	Product label
--	4	3	19.02.2024	Manual for use

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



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