



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 22 ATEX 0011X

(4) Product: **LED luminaire type SEA EX 2/22**

(5) Manufacturer: **doublepower!! s r.o.**

(6) Address: **Bílková 856/18, 110 00 Praha 1, Czech Republic**

(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:

22/0011 dated 29.06.2022

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

EN IEC 60079-0:2018, EN 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
II 3D**

**Ex nR IIC T6 Gc
Ex tc IIIC T85°C Dc**

This certificate is valid till: **30.06.2027**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 30.06.2022

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This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.

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

(13)

Schedule

(14)

Type Examination Certificate No. FTZÚ 22 ATEX 0011X

(15) Description of Product:

The LED luminaire type SEA EX 2/22 consists from three parts: polycarbonate or glass tube with internal aluminium covering profile, sealed side caps from stainless steel with two Ex cable-glands on one side and sealed fixing screws. The fastening elements are overthrust on the sight glass.

The electronic driver, three-pole terminal block for power supply cable (maximum cross-section 2.5 mm²) are installed on the aluminium covering profile. As a light source are used 2 LED module or 4 LED modules.

The luminaire is manufactured in lengths of 752.4 mm (2 LED modules) and 1312.4 mm (4 LED modules).

Electrical parameters:

Un = 230V AC, 50/60Hz;

In = 350 mA; Pn = 18.6 W (length of luminaire 752.4 mm; 2 LED modules);

In = 350 mA; Pn = 37.2 W (length of luminaire 1312.4 mm; 4 LED modules);

Verified degree of protection: IP66; IP 68.

The product was also evaluated according to standard EN IEC 60079-15:2019.

(16) Report Number: 22/0011

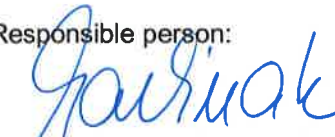
(17) Specific Conditions of Use:

1. Ambient temperature range: $-40^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$.
2. The luminaire is intended for fixed installation and must be labelled "Warning - potential danger of electrostatic charging".
3. The power supply cable shall be effectively fixed to prevent pulling or twisting.

(18) Essential Health and Safety Requirements:

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

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**Physical-Technical Testing Institute
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(13)

Schedule

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Type Examination Certificate No. FTZÚ 22 ATEX 0011X

(19) Drawings and Documents:

Number	Sheets	Date	Description
--	9	24.06.2022	User manual
300 SAB3021107	2	01.02.2022	Drawing
300 SAB3021108	2	01.02.2022	Drawing
300 SAB3021109	2	01.02.2022	Drawing
300 SAB3021110	2	01.02.2022	Drawing
PRT SEA profile 700mm	1	24.02.2021	Drawing
PRT SEA profile 1260mm	1	24.02.2021	Drawing
PRT SEA end cap E grounded	1	25.02.2021	Drawing
PRT SEA end cap H grounded	1	25.02.2021	Drawing
Luminaire internal wiring	2	01.02.2022	Drawing
Labels	1	28.06.2022	Drawing

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