

(1) EU-Type-Examination Certificate

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**



- (3) **Certificate Number** TÜV CY 25 ATEX 0207317 X
 (4) **for the equipment:** LED luminaires
 Type: PRIMA LED Ex 2/21 * . *** ***/**** * * *
 (5) **of the manufacturer:** TREVOS, A.S.
 (6) **Address:** Nová Ves 34 – 51101 Turnov
 CZECH REPUBLIC

Order number: 0207317
Date of issue: 2025-05-22

- (7) The design of this equipment or protective system and any acceptable variation thereto are specified in the schedule to this EU-Type-Examination Certificate and the documents therein referred to.
 (8) TÜV CYPRUS Ltd, notified body No. 2261 in accordance with Article 17 of the Council Directive of 2014/34/EU of February 26, 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in the confidential report No. 25 0207317.
 (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
 EN IEC 60079-0:2018 EN 60079-31:2014
 The following were used for reference:
 (10) EN IEC 60079-15:2019
 (11) This EU-Type-Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment which are not covered by this certificate.
 (12) The marking of the equipment or protective system must include the following:

 II 3G Ex nR IIC T6 Gc
 II 2D Ex tb IIC T70°C Db

TÜV CYPRUS Ltd (TÜV NORD Group).

The head of the notified body,

D. Demetriou



Accredited by CYS-CYSAB
 Certificate No. C 004-3

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(13) SCHEDULE

(14) EU-Type-Examination Certificate No. TÜV CY 25 ATEX 0207317 X

(15) Description of equipment

The LED lighting apparatus PRIMA LED Ex 2/21 series are composed by several enclosure sizes made by polycarbonate with high mechanical resistance, containing LEDs lighting sources, accessories and feeding apparatus suitable for normal and/or emergency light function.

Permissible range of ambient temperature:

- with emergency back-up source: 5°C to +35°C or 5°C to +40°C or 5°C to +45°C
- without emergency back-up source: -25°C to +40°C or -25°C to +55°C or -25°C to +60°C.
- with non-maintained emergency back-up source: 5°C to +45°C (See tables below).

The degree of enclosure protection according to EN 60529 is IP66.

Type code and technical data

PRIMA LED Ex 2/21 a.bft PCs cccc/ddd e f g

- a = number of LED modules rows (1 or 2)
- b = length of 2, 4 or 5 feet (ft)
- cccc = lumen flux from 500 to 20000 lm or
 " " for NMxhAt/NMxhDA emergency luminaires
- ddd = CRI and CCT - 830, 840, 850 and 865 or
 " " for NMxhAt/NMxhDA emergency luminaires
- e = "DALI" version with digital dimmable driver DALI or
 " " light fitting without digital dimmable driver DALI
- f = "1F" light fitting with 1-phase 3 core through-wiring or
 "3F" light fitting with 3-phase 5 core through-wiring or
 " " light fitting without through-wiring
- g = "M1hAt" light fitting with Autotest emergency back-up source, 1-hour operating time or
 "M3hAt" light fitting with Autotest emergency back-up source, 3-hours operating time or
 "NM1hAt" light fitting with NM Autotest emergency back-up source, 1-hour operating time or
 "NM3hAt" light fitting with NM Autotest emergency back-up source, 3-hours operating time or
 "M1hDA" light fitting with DALI emergency back-up source, 1-hour operating time or
 "M3hDA" light fitting with DALI emergency back-up source, 3-hours operating time or
 "NM1hDA" light fitting with NM DALI emergency back-up source, 1-hour operating time or
 "NM3hDA" light fitting with NM DALI emergency back-up source, 3-hours operating time or
 " " light fitting without emergency back-up source (NM – non-maintained)

The following variants are covered by this certificate:

Type of the luminaire without emergency back-up source				
Type	Ambient temperature		Supply Voltage and Frequency	System input
PRIMA LED Ex2/21 1.2ft PCc 1600/8xx e	→	-25°C ≤ T _{as} ≤ +60°C	→	10,5W
PRIMA LED Ex2/21 1.2ft PCc 2200/8xx e	→	-25°C ≤ T _{as} ≤ +55°C	→	14,6W
PRIMA LED Ex2/21 1.4ft PCc 3200/8xx e	→	-25°C ≤ T _{as} ≤ +60°C	→	20,1W
PRIMA LED Ex2/21 1.4ft PCc 4400/8xx e	→	-25°C ≤ T _{as} ≤ +55°C	→	27,3W
PRIMA LED Ex2/21 1.4ft PCc 6400/8xx e	→	-25°C ≤ T _{as} ≤ +55°C	→	38,5W
PRIMA LED Ex2/21 1.5ft PCc 4000/8xx e	→	-25°C ≤ T _{as} ≤ +60°C	→	25,3W
PRIMA LED Ex2/21 1.5ft PCc 5500/8xx e	→	-25°C ≤ T _{as} ≤ +55°C	→	33,3W
PRIMA LED Ex2/21 1.5ft PCc 8000/8xx e	→	-25°C ≤ T _{as} ≤ +55°C	→	47,4W
PRIMA LED Ex2/21 2.2ft PCc 3200/8xx e	→	-25°C ≤ T _{as} ≤ +60°C	→	20,1W
PRIMA LED Ex2/21 2.2ft PCc 4400/8xx e	→	-25°C ≤ T _{as} ≤ +55°C	→	28,3W
PRIMA LED Ex2/21 2.4ft PCc 6400/8xx e	→	-25°C ≤ T _{as} ≤ +60°C	→	38,4W
PRIMA LED Ex2/21 2.4ft PCc 8800/8xx e	→	-25°C ≤ T _{as} ≤ +55°C	→	52,8W
PRIMA LED Ex2/21 2.4ft PCc 12800/8xx e	→	-25°C ≤ T _{as} ≤ +40°C	→	74,8W
PRIMA LED Ex2/21 2.5ft PCc 8000/8xx e	→	-25°C ≤ T _{as} ≤ +60°C	→	48,3W
PRIMA LED Ex2/21 2.5ft PCc 11000/8xx e	→	-25°C ≤ T _{as} ≤ +55°C	→	64,7W
PRIMA LED Ex2/21 2.5ft PCc 16000/8xx e	→	-25°C ≤ T _{as} ≤ +40°C	→	92,7W
PRIMA LED Ex2/21 2.5ft PCc 20000/8xx e	→	-25°C ≤ T _{as} ≤ +40°C	→	111,2W
Type of the luminaire with emergency back-up source				
Type	Ambient temperature		Supply Voltage and Frequency	System input
PRIMA LED Ex2/21 1.2ft PCc 1600/8xx e f	→	5°C ≤ T _{as} ≤ +45°C	→	10,5W
PRIMA LED Ex2/21 1.2ft PCc 2200/8xx e f	→	5°C ≤ T _{as} ≤ +45°C	→	14,6W
PRIMA LED Ex2/21 1.4ft PCc 3200/8xx e f	→	5°C ≤ T _{as} ≤ +45°C	→	20,1W
PRIMA LED Ex2/21 1.4ft PCc 4400/8xx e f	→	5°C ≤ T _{as} ≤ +45°C	→	27,3W
PRIMA LED Ex2/21 1.5ft PCc 4000/8xx e f	→	5°C ≤ T _{as} ≤ +45°C	→	25,3W
PRIMA LED Ex2/21 1.5ft PCc 5500/8xx e f	→	5°C ≤ T _{as} ≤ +45°C	→	33,3W
PRIMA LED Ex2/21 2.2ft PCc 3200/8xx e f	→	5°C ≤ T _{as} ≤ +40°C	→	20,1W
PRIMA LED Ex2/21 2.2ft PCc 4400/8xx e f	→	5°C ≤ T _{as} ≤ +35°C	→	28,3W
PRIMA LED Ex2/21 2.4ft PCc 6400/8xx e f	→	5°C ≤ T _{as} ≤ +45°C	→	38,4W
PRIMA LED Ex2/21 2.4ft PCc 8800/8xx e f	→	5°C ≤ T _{as} ≤ +40°C	→	52,8W
PRIMA LED Ex2/21 2.5ft PCc 8000/8xx e f	→	5°C ≤ T _{as} ≤ +45°C	→	48,3W
PRIMA LED Ex2/21 2.5ft PCc 11000/8xx e f	→	5°C ≤ T _{as} ≤ +40°C	→	64,7W
Type of the luminaire with non-maintained emergency back-up source				
Type	Ambient temperature		Supply Voltage and Frequency	System input
PRIMA LED Ex2/21 1.2ft PCc NMxh	→	5°C ≤ T _{as} ≤ +45°C	→ 220-240V AC 50/60Hz 220-240V DC	2W

Dimension of luminaire

Type	Length [mm]	Height [mm]	Width [mm]
PRIMA LED Ex2/21 1.2ft PCc 1600/8xx	662	111	145
PRIMA LED Ex2/21 1.2ft PCc 2200/8xx	662	111	145
PRIMA LED Ex2/21 1.4ft PCc 3200/8xx	1272	111	145
PRIMA LED Ex2/21 1.4ft PCc 4400/8xx	1272	111	145
PRIMA LED Ex2/21 1.4ft PCc 6400/8xx	1272	111	145
PRIMA LED Ex2/21 1.5ft PCc 4000/8xx	1572	111	145
PRIMA LED Ex2/21 1.5ft PCc 5500/8xx	1572	111	145
PRIMA LED Ex2/21 1.5ft PCc 8000/8xx	1572	111	145
PRIMA LED Ex2/21 2.2ft PCc 3200/8xx	662	111	145
PRIMA LED Ex2/21 2.2ft PCc 4400/8xx	662	111	145
PRIMA LED Ex2/21 2.4ft PCc 6400/8xx	1272	111	145
PRIMA LED Ex2/21 2.4ft PCc 8800/8xx	1272	111	145
PRIMA LED Ex2/21 2.4ft PCc 12800/8xx	1272	111	145
PRIMA LED Ex2/21 2.5ft PCc 8000/8xx	1572	111	145
PRIMA LED Ex2/21 2.5ft PCc 11000/8xx	1572	111	145
PRIMA LED Ex2/21 2.5ft PCc 16000/8xx	1572	111	145
PRIMA LED Ex2/21 2.5ft PCc 20000/8xx	1572	111	145
PRIMA LED Ex2/21 1.2ft PCc 1600/8xx Mxh	662	111	145
PRIMA LED Ex2/21 1.2ft PCc 2200/8xx Mxh	662	111	145
PRIMA LED Ex2/21 1.4ft PCc 3200/8xx Mxh	1272	111	145
PRIMA LED Ex2/21 1.4ft PCc 4400/8xx Mxh	1272	111	145
PRIMA LED Ex2/21 1.5ft PCc 4000/8xx Mxh	1572	111	145
PRIMA LED Ex2/21 1.5ft PCc 5500/8xx Mxh	1572	111	145
PRIMA LED Ex2/21 2.2ft PCc 3200/8xx Mxh	662	111	145
PRIMA LED Ex2/21 2.2ft PCc 4400/8xx Mxh	662	111	145
PRIMA LED Ex2/21 2.4ft PCc 6400/8xx Mxh	1272	111	145
PRIMA LED Ex2/21 2.4ft PCc 8800/8xx Mxh	1272	111	145
PRIMA LED Ex2/21 2.5ft PCc 8000/8xx Mxh	1572	111	145
PRIMA LED Ex2/21 2.5ft PCc 11000/8xx Mxh	1572	111	145
PRIMA LED Ex2/21 1.2ft PCc NMxh	662	111	145

Warnings

- DO NOT OPEN WHEN ENERGIZED
- POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS

(16) Test documents are listed in the test report No. 25 0207317.

(17) Special conditions for safe use

The specific conditions mentioned in the certificates of separately certified components have to be fulfilled.

The luminaire must not be opened if the terminal block is voltage-carrying. Change the diffuser if it is cracked.

LED components contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person and only with original spare parts.

If the gasket is damaged it is necessary to replace it.

Replacement of parts affecting explosion protection is prohibited.

The opening in the unused cable gland must be sealed with an ATEX plug.

Potential electrostatic charging hazard. In potentially explosive environments, the luminaire may only be cleaned with a damp cloth and the person carrying out the cleaning must be earthed.

Disconnecting and replacing of the battery in the luminaire is only possible out of the environment with explosion hazard with spare battery order number 1720121199, LiFePO₄ battery 3,2 V - 4,5 A with protections.

The recommended fuse rating for continuously wired luminaires is type B; 10 A or 16 A.

The luminaire PRIMA LED Ex 2/21 is approved for single and triple phase continuous wiring. Maximum allowed number of luminaires connected on one phase is listed in the table below.

Luminaire type	Automatic cut-out 10A	Automatic cut-out 16A
1.2ft	18	30
1.4ft	9	15
1.5ft	9	15
2.2ft	9	15
2.4ft (12800lm)	9 (4)	15 (7)
2.5ft (16000lm and 20000lm)	9 (4)	15 (7)

(18) Essential Health and Safety Requirements

No additional ones. Assured by compliance with the standards set out in the [9].