

(1) **Statement of Conformity**

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



(3) **Statement of Conformity Number:** TÜV CY 23 ATEX 0206818 X

(4) for the equipment: Luminaires
Type: PERUN SLIM Ex *.*** ***/*** * * *

(5) of the manufacturer: TREVOS, A.S.

(6) Address: Nová Ves 34 – 51101 Turnov
CZECH REPUBLIC

Order number: 0206818

Date of issue: 2023-09-04

(7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this statement of conformity and the documents therein referred to.

(8) TÜV CYPRUS Ltd 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. 23 0206818.

(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:

EN IEC 60079-15:2019

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This statement of conformity 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. These 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 3D Ex tc IIIC T70°C Dc

TÜV CYPRUS Ltd (TUV NORD Group),

The head of competent body,

D. Demosthenous



TÜV CYPRUS (TUV NORD) Ltd,
2 Papaflessa Str., 2235 Latsia, Nicosia - P.O.Box: 20732, 1663 Nicosia, Cyprus
Tel:+357 22 44 28 40 Fax:+35722 44 28 50 email: info@tuvcyprus.com.cy
www.tuv-nord.com/cy

This certificate may only be reproduced without any change, schedule included.
Excerpts or changes shall be allowed by the TÜV CYPRUS Ltd

(13) **SCHEDULE**

(14) **Statement of Conformity No. TÜV CY 23 ATEX 0206818 X**

(15) Description of equipment

The lighting apparatus PERUN SLIM Ex series are composed by several enclosure sizes made by stainless sheet 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:

- without emergency back-up source: -25°C to +40°C or -25°C to +45°C (See table below).
- with emergency back-up source: 0°C to +35 °C.
- with non-maintained emergency back-up source: 0°C to +35°C (See table below).

The degree of enclosure protection according to EN 60529 is IP65.

Type code and technical data

PERUN SLIM Ex a.bft 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 11000 lm
or
" " = for NMxh emergency luminaires

ddd = CRI and CCT - 830, 840, 850 and 865
or
" " = for NMxh 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 = "M1h" = light fitting with emergency back-up source, 1-hour operating time
or
"M3h" = light fitting with emergency back-up source, 3-hours operating time
or
"NM1h" = light fitting with NM emergency back-up source, 1-hour operating time
or
"NM3h" = light fitting with NM 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
PERUN SLIM Ex 1.2ft 1600/8xx e f	→	$-25^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$	→	11,4W
PERUN SLIM Ex 1.2ft 2200/8xx e f	→		→	15,4W
PERUN SLIM Ex 1.4ft 3200/8xx e f	→		→	22,2W
PERUN SLIM Ex 1.4ft 4400/8xx e f	→		→	30,3W
PERUN SLIM Ex 1.4ft 6400/8xx e f	→	$-25^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$	→	42,1W
PERUN SLIM Ex 1.4ft 8800/8xx e f	→		→	57,9W
PERUN SLIM Ex 1.5ft 4000/8xx e f	→	$-25^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$	→	27,1W
PERUN SLIM Ex 1.5ft 5500/8xx e f	→		→	37,2W
PERUN SLIM Ex 1.5ft 8000/8xx e f	→	$-25^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$	→	51,6W
PERUN SLIM Ex 1.5ft 11000/8xx e f	→		→	71,1W

Type of the luminaire with emergency back-up source				
Type	Ambient temperature		Supply Voltage and Frequency	System input
PERUN SLIM Ex 1.4ft 3200/8xx e f	→	$0^{\circ}\text{C} \leq T_a \leq +35^{\circ}\text{C}$	→	22,2W
PERUN SLIM Ex 1.4ft 4400/8xx e f	→		→	30,3W
PERUN SLIM Ex 1.5ft 4000/8xx e f	→		→	27,1W
PERUN SLIM Ex 1.5ft 5500/8xx e f	→		→	37,2W

Type of the luminaire with non-maintained emergency back-up source			
Type	Ambient temperature	Supply Voltage and Frequency	System input
PERUN SLIM Ex 1.2ft f	→ 0°C ≤ Ta ≤ +35°C	→ 220-240V 50/60Hz	2,1W

Dimension of luminaire			
Type	Length [mm]	Height [mm]	Width [mm]
PERUN SLIM Ex 1.2ft 1600/8xx	680	67	120
PERUN SLIM Ex 1.2ft 2200/8xx	680	67	120
PERUN SLIM Ex 1.4ft 3200/8xx	1290	67	120
PERUN SLIM Ex 1.4ft 4400/8xx	1290	67	120
PERUN SLIM Ex 1.4ft 6400/8xx	1290	67	120
PERUN SLIM Ex 1.4ft 8800/8xx	1290	67	120
PERUN SLIM Ex 1.5ft 4000/8xx	1600	67	120
PERUN SLIM Ex 1.5ft 5500/8xx	1600	67	120
PERUN SLIM Ex 1.5ft 8000/8xx	1600	67	120
PERUN SLIM Ex 1.5ft 11000/8xx	1600	67	120

Warnings

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

(16) Test documents are listed in the test report No. 23 0206818.

(17) Special conditions for safe use

- The specific conditions mentioned in the certificates of separately certified components have to be fulfilled.
- The correct mounting of the luminaires to guarantee IP65 is specified into the safety manual.
- 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.
- The recommended fuse rating for continuously wired luminaires is type B; 10 A or 16 A.
- The luminaire PERUN SLIM Ex 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 ON / OFF	Automatic cut-out 10A	Automatic cut-out 16A
1.2ft	18	30
1.4ft	18	30
1.5ft	18	30

Luminaire type DALI	Automatic cut-out 10A	Automatic cut-out 16A
1.2ft	17	28
1.4ft	13	21
1.5ft	13	21

(18) Essential Health and Safety Requirements

This statement of conformity covers only the Essential Health and Safety Requirements related to the Directive 2014/34/EU.