

(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 17 ATEX 0205846 X Issue: 01

(4) for the equipment: Lighting Apparatus
Type: EVF-P***

(5) of the manufacturer: Technor Italsmea S.p.A.

(6) Address: Via Italia, 33
20060 Gessate (MI) - Italy

Order number: 0205846-01

Date of issue: 2018-03-26

(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. 17 0205846-01.

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

EN 60079-0:2012/A11:2013	EN 60079-1:2007	EN 60079-7:2007
EN 60079-18:2009	EN 60079-28:2015	EN 60079-31:2014

(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 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.

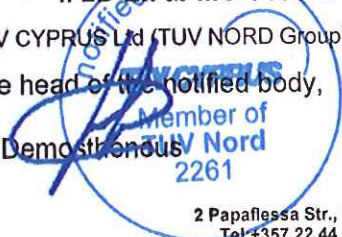
(12) The marking of the equipment or protective system must include the following:

 II 2G Ex db eb mb op is IIC T4 Gb or II 2G Ex eb mb op is IIC T4 Gb
II 2D Ex tb IIC T135°C Db IP66

TÜV CYPRUS Ltd (TUV NORD Group),

The head of the notified body,

D. Demosthenous



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(13) **SCHEDULE**

(14) **EU-Type-Examination Certificate No. TÜV CY 17 ATEX 0205846 X Issue 01**

(15) Description of equipment

The lighting apparatus EVF-P*** series are composed by several enclosure sizes made by aluminium alloy and polycarbonate for the transparent part, containing LEDs lighting sources, accessories and feeding apparatus suitable for normal and/or emergency lighting.

Permissible range of ambient temperature: -20 °C to +55 °C or -20 °C to +40 °C when pilot light is installed.

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

Type code and technical data

The following variants are covered by this certificate:

Type	LEDs module number (Power - lenght)	Feeding Unit Type	Ratings	Lighting Lenght [mm]	Marking
EVF-P 108 (*)	1 (8W - 300mm)	EB LED	198-278Vdc 220-240Vac 50-60Hz	500	II 2G Ex db eb mb op is IIC T4 Gb and/or II 2D Ex tb IIIC T135°C Db IP66
EVF-P 116 (*)	1 (16W - 600mm)	EB LED		764	
EVF-P 124 (*)	1 (24W - 900mm)	EB LED		1074	
EVF-P 132 (*)	1 (32W - 1200mm)	EB LED		1374	
EVF-P 140 (*)	1 (40W - 1500mm)	EB LED		1680	
EVF-P 208 (*)	2 (8W - 300mm)	EB LED		500	
EVF-P 216 (*)	2 (16W - 600mm)	EB LED		764	
EVF-P 224 (*)	2 (24W - 900mm)	EB LED		1074	
EVF-P 232 (*)	2 (32W - 1200mm)	EB LED		1374	
EVF-P 240 (*)	2 (40W - 1500mm)	EB LED		1680	
EVF-P 108 LENP (**)	1 (8W - 300mm)	EB LED EU	220-240Vac 50-60Hz	600	
EVF-P 116 LENP (**)	1 (16W - 600mm)	EB LED EU		764	
EVF-P 124 LENP (**)	1 (24W - 900mm)	EB LED EU		1074	
EVF-P 132 LENP (**)	1 (32W - 1200mm)	EB LED EU		1374	
EVF-P 140 LENP (**)	1 (40W - 1500mm)	EB LED EU		1680	
EVF-P 108 LEP (***)	1 (8W - 300mm)	EB LED + EB LED EU		1074	
EVF-P 116 LEP (***)	1 (16W - 600mm)	EB LED + EB LED EU		1074	
EVF-P 124 LEP (***)	1 (24W - 900mm)	EB LED + EB LED EU		1074	
EVF-P 132 LEP (***)	1 (32W - 1200mm)	EB LED + EB LED EU		1374	
EVF-P 140 LEP (***)	1 (40W - 1500mm)	EB LED + EB LED EU		1680	
EVF-P 208 LEP (***)	2 (8W - 300mm)	EB LED + EB LED EU	1074		
EVF-P 216 LEP (***)	2 (16W - 600mm)	EB LED + EB LED EU	1074		
EVF-P 224 LEP (***)	2 (24W - 900mm)	EB LED + EB LED EU	1074		
EVF-P 232 LEP (***)	2 (32W - 1200mm)	EB LED + EB LED EU	1374		
EVF-P 240 LEP (***)	2 (40W - 1500mm)	EB LED + EB LED EU	1680		

(*): Normal lighting – ON / OFF

(**): Emergency Non-Permanent lighting. LEDs module switches ON in case of network failure only.

(***): Normal lighting - Nr.1 or 2 LEDs modules work – ON /OFF. Emergency Permanent lighting. LEDs module(s) switches ON in case of network failure.

Type	LEDs module number (Power - lenght)	Feeding Unit Type	Ratings	Lighting Lenght [mm]	Marking
EVF-P 108 (*)	1 (8W - 300mm)	External feeding	Max 250 V ac and/or dc	460	II 2G Ex eb mb op is IIC T4 Gb and/or II 2D Ex tb IIIC T135°C Db IP66
EVF-P 116 (*)	1 (16W - 600mm)			764	
EVF-P 124 (*)	1 (24W - 900mm)			1074	
EVF-P 132 (*)	1 (32W - 1200mm)			1374	
EVF-P 140 (*)	1 (40W - 1500mm)			1680	
EVF-P 208 (*)	2 (8W - 300mm)			460	
EVF-P 216 (*)	2 (16W - 600mm)			764	
EVF-P 224 (*)	2 (24W - 900mm)			1074	
EVF-P 232 (*)	2 (32W - 1200mm)			1374	
EVF-P 240 (*)	2 (40W - 1500mm)			1680	
EVF-P 108 LENP (**)	1 (8W - 300mm)			460	
EVF-P 116 LENP (**)	1 (16W - 600mm)			764	
EVF-P 124 LENP (**)	1 (24W - 900mm)			1074	
EVF-P 132 LENP (**)	1 (32W - 1200mm)			1374	
EVF-P 140 LENP (**)	1 (40W - 1500mm)			1680	
EVF-P 108 LEP (***)	1 (8W - 300mm)			460	
EVF-P 116 LEP (***)	1 (16W - 600mm)			764	
EVF-P 124 LEP (***)	1 (24W - 900mm)			1074	
EVF-P 132 LEP (***)	1 (32W - 1200mm)			1374	
EVF-P 140 LEP (***)	1 (40W - 1500mm)			1680	
EVF-P 208 LEP (***)	2 (8W - 300mm)			460	
EVF-P 216 LEP (***)	2 (16W - 600mm)			764	
EVF-P 224 LEP (***)	2 (24W - 900mm)			1074	
EVF-P 232 LEP (***)	2 (32W - 1200mm)			1374	
EVF-P 240 LEP (***)	2 (40W - 1500mm)			1680	

(*) : Normal lighting – ON / OFF

(**) : Emergency Non-Permanent lighting. LEDs module switches ON in case of network failure only.

(***) : Normal lighting - Nr.1 or 2 LEDs modules work – ON /OFF. Emergency Permanent lighting.
Nr. 1 LEDs module switches ON in case of network failure.

Warnings

- DO NOT OPEN WHEN ENERGIZED
 - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT (*)
 - POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS
 - CABLE ENTRIES: SEE INSTRUCTIONS
- (*) This warning when the apparatus is equipped with emergency unit EB LED EU with battery.

(16) Test documents are listed in the test report No. 17 0205846-01.

(17) Special conditions for safe use

- In case of mechanical risk, user must protect the lighting apparatus with an additional protection.
- Potential electrostatic charging hazard – see instruction

(18) Essential Health and Safety Requirements

No additional ones.