



"MINPROEKT" JSC

CERTIFICATE



[1] **EC-TYPE-EXAMINATION CERTIFICATE**

(Translation)

[2] Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 94/9/EC

[3] **EC-type examination Certificate Number: MP 14 ATEX 0135 X**

[4] **Product (Equipment or protective system): Luminarie, type VELAN 41-X₁.X₂**

[5] Applicant: **JSC „VELAN”**

[6] Address: 1 Velanovskaya str., Zelenokumsk, Stavropol Region, 357911 Russia

[5] Manufacturer: **JSC „VELAN”**

[6] Address: 1 Velanovskaya str., Zelenokumsk, Stavropol Region, 357911 Russia

[7] This product (equipment or protective system) and any acceptable variation thereto are specified in details in the schedule to this certificate and the documents therein referred to.

[8] Minproekt JSC, notified body No.1877 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, 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 or protective system, intended for use in potentially explosive atmospheres, specified in Annex II of the Directive.

The examination and test results are recorded in:

Confidential Test report No. 24/04.07.2014

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2009; EN 60079-7:2007 and EN 60079-31:2009.

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

[11] This EC-type-examination Certificate relates only to the design and the construction of this specified equipment or protective system in accordance with Directive 94/9/EC.

This certificate does not cover the requirements of the Directive on the forthcoming procedures relating to the production process and the delivery of the product.

[12] The marking of the equipment or protective system shall include the following:

II 2 G Ex eq II T4 Gb



II 2 D Ex tb IIIC T135°C IP65 Db - 20°C ≤ T_a ≤ +55°C

This certificate does not authorize the manufacturer or his authorized representative to affix the CE mark followed by the identification number of the Notified Body as well as the marketing and / or use.

This certificate is valid till 2019-08-05

Sofia, 2014-08-05

Executive Director:
/dipl. eng H. Hubenov/



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- [13] Schedule
 [14] EC-type-examination certificate No. MP 14 ATEX 0135 X (Translation)
 [15] Characteristics of the type, subject to the examination

1. Technical description
 Luminaire type "VELAN 41-X₁.X₂" consists of a rectangular body. The type of the socket is G13 (type 29100 of Vschvabe company) and the type of the luminescent lamps is T8. The lamp control is done by a starting regulating device (Ex eq II). The luminaire has one or two cable glands.
2. Technical data of the product.

2.1. Type designation:

	VELAN	41	X ₁	X ₂	X ₃
Explosion-proof luminaire for industrial purposes	—	—	—	—	—
Luminaire with a stainless steel body	—	—	—	—	—
Number of lamps: 1 or 2	—	—	—	—	—
Lamp power (W): 18 or 36	—	—	—	—	—
Method of attachment: K – on a hook; V – suspended; N – on a wall; S – with a clamp; P – on a ceiling; O – with a support; T – on a pipe;	—	—	—	—	—

2.2 Specifications

- working temperature range: -20°C + +55°C;
- relative humidity of the environment: to (95±2)% at (35 +2) °C;
- body – stainless steel
- working voltage - max. 230V;
- Cross-section of the feeder conductors - 1,0 to 2,5 mm²;
- IP code – IP65;

3. Application field

Luminaire type "VELAN 41-X₁.X₂" is intended for use in hazardous areas according to its explosive markings.

Sofia, 2014-08-05

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- [13] Schedule
- [14] EC-type-examination certificate No. MP 14 ATEX 0135 X (Translation)
- [16] Test report No 24/04.07.2014
- [17] Special requirements for safety use – Luminaire type "VELAN 41-X₁.X₂" is intended for a working temperature range: $-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$, different from the standard.
- [18] Essential requirements
- 18.1. According to Directive 94/9/EC and the manufacturer's instructions, the product is not allowed for zone 0 and zone 20.
- 18.2. Other essential safety requirements are covered by the standards pointed in [9].
- [19] List of the technical record parts
- 19.1 Operation manual containing:
- 19.2 Constructional documentation containing:
- Specifications № ПИНЮ.676147.044 – 14 sheets; Drawings № № ПИНЮ.676147.0044 СБ; specifications № ПИНЮ.301412.011 – 16 sheets; Drawings № № ПИНЮ.301412.011 СБ – 3 sheets; specifications № ПИНЮ. 301122.054 – 1 sheet; Drawings № № ПИНЮ.301122.054 – 3 sheets; specification № ПИНЮ.301532.030 – 1 sheet; Drawing № ПИНЮ. 301532.030 СБ; specification № ПИНЮ.301588.001 СБ – 1 sheet; Drawings № № ПИНЮ.301588.001 СБ – 2 sheets; ПИНЮ.713351.004; ПИНЮ.715321.002; ПИНЮ.725132.010 – 2 sheets; ПИНЮ.731263.002 – 2 sheets; ПИНЮ.741264.006; ПИНЮ.745242.014; ПИНЮ.745332.001; ПИНЮ.745332.002; ПИНЮ.745353.004; ПИНЮ.745353.001-01; ПИНЮ.745423.032; ПИНЮ.745392.005; ПИНЮ.754164.002; ПИНЮ.754174.001; ПИНЮ.755471.027; ПИНЮ.758193.001; ПИНЮ.758491.036; specification № ПИНЮ.301412.012; Drawing № ПИНЮ. 301412.012 СБ; specification № ПИНЮ.301413.061; Drawings № № ПИНЮ.301413.061 СБ; ПИНЮ.741138.006 – 2 sheets; ПИНЮ.753512.014; ПИНЮ.758224.001; ПИНЮ. 745322.043; ПИНЮ.745272.001; ПИНЮ.741138.015; ПИНЮ.715112.003; ПИНЮ.715111.022; specification № ПИНЮ.301527.002; Drawing № ПИНЮ.301527.002 СБ.
- 19.3. Additional information:
- 19.3.1 Constructional documentation of the "Control unit BVU"
- 19.3.2 Declaration of Conformity ОАО "OSRAM" for starting control devices for luminescent lamps
- 19.3.3. Technical data for starting control devices

Sofia, 2014-08-05

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