



# "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 0130 X**

[4] **Product (Equipment or protective system): Luminarie, type VELAN 11**

[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. 17/23.04.2014**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 60079-0:2009 and EN 60079-1:2007**

[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 d IIC T<sup>+</sup> (T3...T6) Gb - 20°C ≤ T<sub>a</sub> ≤ +50°C**

T<sup>+</sup> - The temperature class varies from T3 to T6 depending on the source of light (see the table in the technical data).

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 2019-05-07

Sofia, 2014-05-07

Executive Director:  
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## [13] Schedule

[14] EC-type-examination certificate No. MP 14 ATEX 0130 X (Translation)

[15] Characteristics of the type, subject to the examination

## 1. Technical description

Luminaire type "VELAN 11" is made in two versions - VELAN 11-125 and VELAN 11-250. The luminaire consists of an aluminum main body, and a light transmitting element made of borosilicate glass. As a light source an incandescent lamp, an energy saving lamp or a LED can be used.

## 2. Technical data of the product.

## 2.1. Type designation:

|  |                    |                |                |                |                |
|--|--------------------|----------------|----------------|----------------|----------------|
|  | VELAN 11 (125-250) | X <sub>1</sub> | X <sub>2</sub> | X <sub>3</sub> | X <sub>4</sub> |
| Type of the luminaire  | _____              | _____          | _____          | _____          | _____          |
| Type of the lamp used  | _____              | _____          | _____          | _____          | _____          |
| A – incandescent lamp  |                    |                |                |                |                |
| ESCFL – energy saving lamp   |                    |                |                |                |                |
| LED – LED lamp   |                    |                |                |                |                |
| SBML – mercury lamp  |                    |                |                |                |                |
| Power of the lamp used   | _____              | _____          | _____          | _____          | _____          |
| Method of attachment: K – on a hook;<br>V – suspended; N1 – on a wall to 30°<br>N2 – on a wall to 90°; S1 – with a<br>bracket; P – on the ceiling; O – with a support; T1 –<br>on a pipe; T2 – on a pipe with a junction box | _____              | _____          | _____          | _____          | _____          |
| Presence and type of reflector: KO -<br>with a dome reflector;<br>UO – an angular reflector<br>The symbol is not put in the absence of<br>reflector  | _____              | _____          | _____          | _____          | _____          |

| Lamp used           | Power (W) | Temperature class (T) |
|---------------------|-----------|-----------------------|
| LED – E27           | 15        | T6                    |
| Incandescent – E27  | 200       | T4                    |
| Incandescent – E27  | 300       | T3                    |
| Energy saving – E27 | 65        | T6                    |
| Energy saving – E27 | 80        | T6                    |
| Mercury HWL – E27   | 160       | T4                    |
| Mercury HWL – E40   | 250       | T4                    |
| Incandescent - E40  | 300       | T4                    |

Sofia, 2014-05-07

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**[13] Schedule****[14] EC-type-examination certificate No. MP 14 ATEX 0130 X (Translation)****[15] Characteristics of the type, subject to the examination**

## 2.2. Technical data:

- operating temperature range:  $-20^{\circ}\text{C} + +50^{\circ}\text{C}$ ;
- relative humidity of the environment: to 80% at temperature  $20^{\circ}\text{C}$ ;
- housing - aluminum alloy ALSi12;
- operating voltage - max. 380V;
- operating current - max. 20A;
- cross-section of the feeder conductors – max.  $2,5\text{mm}^2$ ;
- IP code – IP66;

## 3. Application field

Luminaire, type VELAN 11, is designed for use in explosive areas according to its explosive markings.

**[16] Test report No 17/23.04.2014****[17] Special requirements for safety use – Luminaire type VELAN 11 is designed for a working temperature range of  $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ , different from the standard.****[18] Essential requirements**

18.1. According to Directive 94/9/EC and the manufacturer instructions, the product is not allowed for zone 0.

18.2. Other essential safety requirements are covered by the standards pointed in [9].

**[19] List of the technical record parts**

1. Operating Instructions

2. Specifications

3. Constructional documentation containing drawings № № ПИНЮ.676147.084 sheet 1; ПИНЮ.676147.058 – sheet 2.; specifications ПИНЮ.676147.084 - 6 sheets; ПИНЮ.676147.58 – 11 sheets; drawings № № ПИНЮ. 757473.006; ПИНЮ. 757473.007; ПИНЮ.757513003; ПИНЮ.676147.058 ЭЗ; ПИНЮ.301541.035 СБ; ПИНЮ.685561.011; ПИНЮ.6864002; ПИНЮ.686164.002 СБ; ПИНЮ.686164.003 СБ; ПИНЮ.686164.004 СБ; ПИНЮ.711121.003; ПИНЮ.713141.063; ПИНЮ.713311.004; ПИНЮ. 713329.001; ПИНЮ. 715535.010; ПИНЮ.721563.025; ПИНЮ. 731231.001; ПИНЮ.731243.008; ПИНЮ.731243.011; ПИНЮ.735215.005; ПИНЮ.735222.006; ПИНЮ.741134.111; ПИНЮ.745112.093; ПИНЮ.745351.006; ПИНЮ.745423.034; ПИНЮ.753652.001; ПИНЮ.753662.004; ПИНЮ.755746.018; ПИНЮ.755746.021; ПИНЮ.756461.007; ПИНЮ.757441.006; ПИНЮ.757471.008; ПИНЮ.757473.005; drawings – attachment ПИНЮ.713241.013; ПИНЮ.301264.001 СБ; ПИНЮ.676147.082; ПИНЮ.726111.004; ПИНЮ.743615.001; ПИНЮ.754176.009; ПИНЮ.301126.018 СБ; ПИНЮ.301261.190 СБ; ПИНЮ.301261.200 СБ; specifications ПИНЮ.301264001 – 2 sheets; ПИНЮ.301126.018 – 2 sheets; ПИНЮ.301261190 СП – 1 sheet; ПИНЮ.301261.200 – 1 sheet; ПИНЮ.676147.082 СП – 1 sheet.

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