



"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 0133 X**
- [4] **Product (Equipment or protective system): Luminarie type VELAN 180**
- [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. 16/03.04.2014**
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2009; 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 T6 Gb

- 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 15.04.2019

Sofia, 2014-04-15

Executive Director:
/dipl. eng H. Hubenov/



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[13] Schedule

[14] EC-type-examination certificate No. MP 14 ATEX 0133 X (Translation)

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

1. Technical description

Luminaire type "Vellan 180" consists of an aluminum main body, which contains the LED panel and an aluminum junction box in which the control device (driver) is disposed. The light transmitting element is made of borosilicate glass.

2. Technical data of the product.

2.1. Type designation:

	VELAN 180	X	X ₁	X ₂	X ₃	X ₄
Luminaire with a LED source of light	_____	_____	_____	_____	_____	_____
LED lamp:	_____	_____	_____	_____	_____	_____
Total power of the LEDs used: (20, 30, 40W)	_____	_____	_____	_____	_____	_____
Rated voltage (24,36, 220V)	_____	_____	_____	_____	_____	_____
Type of the current: AC - alternating current DC - direct current	_____	_____	_____	_____	_____	_____
Method of attachment: K – on a hook; V – suspended; N1 – on a wall to 30° N2 – on a wall to 90°; S – with a bracket; P – on the ceiling; O – with a support; T1 – on a pipe; T2 – on a pipe with a junction box	_____	_____	_____	_____	_____	_____

2.2. Technical data:

- operating temperature range: $-20^{\circ}\text{C} + 55^{\circ}\text{C}$;
- relative humidity of the environment: to $(95\pm 2)\%$ at temperature $(35\pm 2)^{\circ}\text{C}$;
- housing and entrance box - 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;

Sofia, 2014-04-15

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- [13] Schedule
- [14] EC-type-examination certificate No. MP 14 ATEX 0133 X (Translation)
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3. Application field

Luminaire, type VELAN 180, is designed for use in hazardous areas according to its explosive markings.

- [16] Test report No 16/03.04.2014

[17] Special requirements for safety use – Luminaire type VELAN 180 is designed for a working temperature range of $-20\text{ }^{\circ}\text{C} \leq T_a \leq +55\text{ }^{\circ}\text{C}$, different from the standard.

[18] Essential requirements

18.1. According to Directive 94/9/EC and the user 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.676147.075 СБ; ПИНЮ.676147.075 сн.; ПИНЮ.676147.075ЭЗ; ПИНЮ.711143.007; ПИНЮ.721562.005; ПИНЮ.731243.012; ПИНЮ.733428.013; ПИНЮ.735222.023; ПИНЮ.745229.002; ПИНЮ.752691.004; ПИНЮ.752691.005; ПИНЮ.754153.030; ПИНЮ.754175.037; ПИНЮ.754312.179; ПИНЮ.756461.014; ПИНЮ.757474.004; drawings of PCBs; side PCB; upper PCB; PCB of the driver; specifications ПИНЮ. 676147.075 – three sheets.

4 Additional information: Passport of a pulse trigger, type ИЗУ 50-400/001 УХЛ2;

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