



"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 15 ATEX 0146 X**

[4] **Product (Equipment or protective system): Luminarie VEL 51x...**

[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. 03/12.02.2015

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012; EN 60079-1:2007 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 d IIC T6 Gb



II 2 D Ex t_b IIIC T85°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 19.02.2020

Sofia, 2015-02-19

Executive Director:
/dipl. eng H. Hubenov/



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- [13] Schedule
 [14] EC-type-examination certificate №: MP 15 ATEX 0146 X (Translation)
 [15] Characteristics of the type, subject to the examination

1. Technical description

"Luminaire VEL 51x ...", a cylindrical housing made of aluminum alloy and light-transmitting element of tempered glass, produced by production "ING. STANISLAV RIMEK, BENESOV. NEUMANNOVA 1911 "- Czech Republic. The luminaire is produced in two versions depending on the power of the light source and also in two versions depending on the type of light source (fluorescent lamps - 2x18W, 2x36W; LED lamp - LED – 2x9W, 2x18W).

2. Technical data of the product.

2.1. Type designation:

	VEL51	LED	X ₁	X ₂	X ₃
Luminaire, explosion-proof for industrial enterprises					
Type of the lamp (if used a fluorescent lamp, the symbol of LED is not indicated)					
Number of the lamps: 1 or 2					
Power of the lamps (W): fluorescent 18 or 36 LED 9 or 18					
Method of attachment: C – hanging on chains; V – suspended (hanging); N – on walls; P – on ceilings, O – on supports					

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 a temperature $(35 \pm 2)^{\circ}\text{C}$;
- operating voltage - max. 230V;
- cross-section of the feeder conductors – 1,5 to 2,5mm²;
- IP code – IP65;

3. Application field

Luminaire VEL 51x..." is designed for use in explosive areas according to its explosive markings.

Sofia, 2015-02-19

Executive Director:
/dipl. eng H. Hubenov/

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- [13] Schedule
- [14] EC-type-examination certificate № : MP 15 ATEX 0146 X (Translation)
- [16] Test report No 03/12.02.2015
- [17] Special requirements for safety use – Luminaire VEL 51x..." is designed for a working temperature range of $-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$, different from the standard.

[18] Essential requirements

18.1. According to Directive 94/9/EC and the manufacturer 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. Operating Instructions

19.2. Constructional documentation containing:

Drawings № № ПИНЮ.676147.001 РЭ; ...753138.006; specification ПИНЮ.301261.191 – 1 sheet; Drawing № ПИНЮ.301261.191 СБ; specifications ПИНЮ.666147.002 – 6 sheets; Drawings № № ПИНЮ.676147.002 СБ; ...713441.005; ...713539.004; ...731351.001; ...735222.007; ...741354.014; ...745222.042; ...745361.005; ...753138.005; ...754351.003; ...758422.057; ПИНЮ.676167.001 РЭ; specification ПИНЮ.301121.011, Drawings №№ ПИНЮ.301121.011 СБ; ...301261.189 СБ; ...301413.059 СБ; specifications ПИНЮ.301413.059 – 4 sheets; ПИНЮ.305151.001 – 1 sheet; Drawings №№ ПИНЮ.305155.001 СБ; ...676147.001 СБ; ...676147.001 СБ; specifications ПИНЮ.676147.001 – 5 sheets; Drawings №№ ПИНЮ.713631.001; ...731251.029; ...731251.030; ...731251.031; specification ПИНЮ.733511.003 – 1 sheet; Drawings №№ ПИНЮ.733511.003 СБ; ...735222.007; ...731134.102; ...741324.008; ...745116.002; ...745222.038; ...745222.039; ...745352.034; ...745361.005; ...746621.003; ...746621.006; ...753126.007; ...753512.012; ...754152.030; ...754312.178; ...755741.001; ...757471.006; ...757473.004; ...757473.008; ...758271.023.

19.3. Additional information: Information on PRA.

Sofia, 2015-02-19

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