



"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 0154 X**
[4] **Product (Equipment or protective system): Luminarie type VELAN73-SD.L.X"**
[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. 30/16.09.2014

- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2009; 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 IIB 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 11.11.2019



Sofia, 2014-11-11

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Executive Director:
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- [13] Schedule
 [14] EC-type-examination certificate No. MP 14 ATEX 0154 X (Translation)
 [15] Characteristics of the type, subject to the examination

1. Technical description

Luminaire type VELAN73-SD.LX consists of a rectangular aluminum housing in which the LED panel is located and an aluminum junction box in which the control device (driver) is located. The light-transmitting element is made of borosilicate glass. The luminaire has a protective grid made of galvanized steel.

2. Technical data of the product.

2.1. Type designation:

	VELAN	73	SD.L(LED)	X ₁	X ₂	X ₃
Industrial luminaire for potentially explosive atmospheres	└──┘	└──┘	└──┘	└──┘	└──┘	└──┘
Luminaire for matrix LED lamp		└──┘	└──┘	└──┘	└──┘	└──┘
Type of the used source of light: LED matrix			└──┘	└──┘	└──┘	└──┘
Power of the used LED matrix (W): 80, 120, 160, 240			└──┘	└──┘	└──┘	└──┘
Supply voltage (V)				└──┘	└──┘	└──┘
Type of current: AC, DC						└──┘

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 junction box - aluminum alloy ALSi12;
- operating voltage - max. 230V;
- operating current - max. 1A;
- cross-section of the feeder conductors - max. $2,5\text{mm}^2$;
- IP code - IP65;

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- [13] Schedule
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3. Application field

Luminaire, VELAN73-SD.L.X, is designed for use in explosive areas according to its explosive markings.

- [16] Test report No 30/16.09.2014
- [17] Special requirements for safety use – Luminaire type VELAN73-SD.L.X" 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
 - 1. Operating Instructions
 - 2. Constructional documentation containing drawings № № ПИНЮ.676147.021 РЗ; ПИНЮ.676147.073 СБ; specifications ПИНЮ.676147073 СП – 25 sheets; ПИНЮ.301261.218 СБ; specifications ПИНЮ.301261218 – 2 sheets; ПИНЮ.735222.012; ПИНЮ.755471.020.
 - 3. Product Information – ЛЕПТА-112; Silicone heat resistant compound.

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