



"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 0152 X**
- [4] **Product (Equipment or protective system): „Luminarie VELAN31-SD.L(LED).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. 27/15.09.2014**
- [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 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 25.09.2019

Sofia, 2014-09-25

Executive Director:
/dipl. eng H. Hubenov/



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[13] Schedule

[14] EC-type-examination certificate No. MP 14 ATEX 0152 X (Translation)

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

1. Technical description

Luminaire type „VELAN31-SD.L(LED).X...” consists of a round aluminum housing, 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:

Industrial luminaire for potentially explosive atmosphere

Luminaire for matrix LED lamp

Type of the used source of light:
LED matrix

Power of the used LED matrix (W):
10, 20, 40, 60

Supply voltage (V)

Type of the current: AC, DC

Type of fixing: K – on hook; V – suspended; N2 – on wall at 90°; S1 – on clamp; S2 – on clamp with a with junction box; P – on ceiling; O – on support; T1 – on pipe; T2 – on pipe with a with junction box

VELAN 31 SD.L(LED) X₁ X₂ X₃ X₄

2.2. Technical data:

- operating temperature range: -20°C ÷ +55°C;
- relative humidity of the environment: to (95±2)% at temperature (35±2)°C;
- housing and entrance box - aluminum alloy ALSi12;
- operating voltage - max. 220V;
- operating current - max. 1A;
- cross-section of the feeder conductors – max. 2,5mm²;
- IP code – IP65;

Sofia, 2014-09-25

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- [13] Schedule
 [14] EC-type-examination certificate № : MP 14 ATEX 0152 X (Translation)
 [15] Characteristics of the type, subject to the examination

3. Application field

Luminaire, type „VELAN31-SD.L(LED).X...” is designed for use in hazardous areas according to its explosive markings.

- [16] Test report No 27/15.09.2014
 [17] Special requirements for safety use – Luminaire type „VELAN31-SD.L(LED).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 user 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.676147.055 ЧСВ; specifications ПИНЮ.676147.055 СБ – 2 sheets; ПИНЮ.676147.055 СБ; ПИНЮ.711141.37; ПИНЮ.711161.002; ПИНЮ.731251.045; ПИНЮ.735222.020; ПИНЮ.745391.015; ПИНЮ.745432.001; ПИНЮ.753126.008; ПИНЮ.755471.028; ПИНЮ.755744.005; ПИНЮ.758491.047; ПИНЮ.67614.074 ЧСВ; specifications ПИНЮ.676147.074 – 3 sheets; ПИНЮ.676147.074 СБ; ПИНЮ.713141.062; ПИНЮ.731251.046; ПИНЮ.731251.047; ПИНЮ.735222.021; ПИНЮ.745312.048; ПИНЮ.745391.016; ПИНЮ.753126.010; ПИНЮ.754154.013; ПИНЮ.755744.006; ПИНЮ.756461.010; ПИНЮ.758491.048; ПИНЮ.676147.062 ЧСВ; ПИНЮ.301541.031 СБ; specifications ПИНЮ.301541.031 – 1 sheet; ПИНЮ.676147.062 СБ; specifications ПИНЮ.676147.062 СБ – 4 sheets; ПИНЮ.685561.008 СБ; specifications ПИНЮ.685561.008 – 2 sheets; ПИНЮ.711242.001; ПИНЮ.713559.001; ПИНЮ.715135.002; ПИНЮ.721563.021; ПИНЮ.731251.026; ПИНЮ.731251.027; ПИНЮ.735222.003; ПИНЮ.741315.007; ПИНЮ.745229.001; ПИНЮ.745312.042; ПИНЮ.745322.044; ПИНЮ.745391.009; ПИНЮ.752671.001; ПИНЮ.753126.002; ПИНЮ.754175.042; ПИНЮ.754176.055; ПИНЮ.754312.152; ПИНЮ.755471.012; ПИНЮ.755746.019; ПИНЮ.758761.001; ПИНЮ.758761.001-01; Constructional documentation of the driver: specification ПИНЮ.675861.001 – 2 sheets; ПИНЮ.675861.001 СБ.

Sofia, 2014-09-25

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