EN

"MINPROEKT" EAD

CERTIFICATE

[1] **Module B: EU-TYPE-EXAMINATION CERTIFICATE**
(Translation)

[2] Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 2014/34/EU (ATEX)

[3] **Module B EC-type-examination Certificate Number: MP 18 ATEX 0131 X**

[4] **Product (Equipment or protective system): Luminarie, type „VELAN 21-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 as well as the documents therein referred to.

[8] Minproekt EAD, notified body No.1877 in accordance with Article 17 of the Council Directive 2014/34/EU (ATEX) of 26th February 2014, 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 reports № 18/24.04.2014; № 17/18.09.2015; № 24/18.06.2018**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: **EN 60079-0:2012; EN 60079-1:2014; EN 60079-31:2014.**

[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 EU-type-examination Certificate on Module B relates only to the design and the construction of this specified equipment or protective system in accordance with Directive 2014/34/EU.
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:

This applies to versions VELAN21-125 (250)

II 2 G Ex d IIC T* (T3…T5) Gb

II 2 D Ex t_b IIIC T* (100…200)°C IP66 Db
-60°C≤T_a≤+60°C

This applies to version VELAN 21-400

II 2 G Ex d IIC T3 Gb

II 2 D Ex t_b IIIC T200°C IP66 Db
-20°C≤T_a≤+60°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 a continuation of the Certificate MP 14 ATEX 0131 X. The Certificate is valid until 22.06.2023, if there is no change of the conditions under which it has been issued. T * - the temperature class varies from T3 to T5 depending on the light source (see table in the technical data)

Sofia, 22.06.2018

Executive Director:
/dipl. eng St. Bosnev/

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[13] Schedule

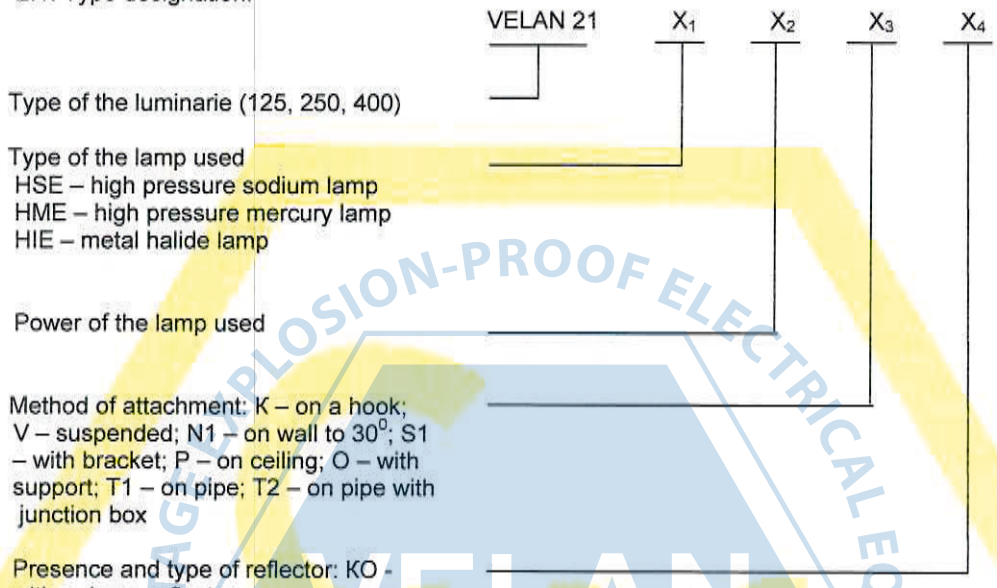
[14] Certificate on "Module B: EU-type-examination№: MP 18 ATEX 0131 X (Translation)

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

1. Technical description
Luminaire type "VELAN 21-x..." is produced in three versions - VELAN 21-125, VELAN 21-250 and VELAN 21-400. The luminaire consists of an aluminum main body and a light transmitting element made of borosilicate glass. As a light source high pressure mercury lamps, high pressure sodium lamps or metal halogen lamps can be used.

2. Technical data of the product.

2.1. Type designation:



Lamp used	Power (W)	Temperature class (T°)
High pressure mercury lamp – E27	125	T4
High pressure sodium lamp – E27	100	T5
High pressure sodium lamp – E27	150	T5
Metal Halogen – E27	100	T5
High pressure mercury lamp – E40	250	T3
High pressure sodium lamp – E40	250	T4
Metal Halogen – E40	250	T4
High pressure mercury lamp – E40	400	T3
High pressure sodium lamp – E40	400	T3
Metal Halogen – E40	400	T3

Sofia, 2018-06-22

Executive Director:
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Schedule

Certificate on "Module B: EU-type-examination№: MP 18 ATEX 0131 X (Translation)

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

2. Technical data of the product.

2.2. Technical data:

- operating temperature range for luminaires VELAN 21-125, VELAN 21-250: -60^{0}C ÷ +60^{0}C;
- operating temperature range for luminaires VELAN 21-400: -20^{0}C ÷ +60^{0}C
- relative humidity of the environment: to (95 ±2) % at temperature (35±2) ^{0}C;
- housing - aluminum alloy ALSi12;
- operating voltage - max. 220V;
- cross-section of the feeder conductors – max. 2,5mm^2;
- IP code – IP66;

3. Application field

Luminaire, type "VELAN 21...", is designed for use in explosive areas according to its explosive markings.

[16] Test reports No 18/24.04.2014; 17/18.09.2015; 24/18.06.2018

[17] Special requirements for safety use – Luminaires series, type VELAN 21-125, VELAN 21-250, are designed for an operating temperature range -60^{0}C≤T$_a$≤+60^{0}C and luminaires series, type VELAN 21-400 are designed for an operating temperature range -20^{0}C≤T$_a$≤+60^{0}C, different from the standard.

[18] Essential requirements

18.1. According to 2014/34/EU (ATEX) 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, supplement to the VELAN21-400 operating Instructions

19.2. Technical conditions

19.3. Conceptual design and manufacturing drawings and schemes, consisting of:
Drawings № № ПИНЮ.676147.059 СБ; specifications ПИНЮ.676147.059 СП – 22 sheets.; drawings № № ПИНЮ.676147.083 СБ; specifications ПИНЮ.676147.083 – 28 sheets; drawings № № ПИНЮ.676147.059 Э3; ПИНЮ.745312.051; ПИНЮ.745352.043; ПИНЮ.745422.034; ПИНЮ.745423.037; ПИНЮ.745423.039; ПИНЮ.746721.004; ПИНЮ.746221.005; ПИНЮ.746721.008; ПИНЮ.746735.001; ПИНЮ.746735.002; ПИНЮ.754152.032; ПИНЮ.754175.038; ПИНЮ. 754176.077; ПИНЮ.301121.013; ПИНЮ.301121.013; ПИНЮ.301121.014; ПИНЮ.301261.217 СБ; ПИНЮ.301541.036 СБ; ПИНЮ.305121.002 СБ; ПИНЮ.686164.007 СБ; ПИНЮ.711141.041; ПИНЮ.711253.001; ПИНЮ.711254.001; ПИНЮ.713141.061; ПИНЮ.731251.052; ПИНЮ.731251.053; ПИНЮ.754175.040; ПИНЮ.755746.042; ПИНЮ.755746.043; ПИНЮ.756461.015; ПИНЮ.757471.011; ПИНЮ.301421.020; ПИНЮ.745112.132; ПИНЮ.745222.053; ПИНЮ.745242.015; 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.

19.4 Supplement to the conceptual design and manufacturing drawings and schemes:
Drawings № № ПИНЮ.676147.098 СБ; ПИНЮ.676147.098 Р3; specification ПИНЮ.301541.016 СБ; drawings № № ПИНЮ.301541.016 СБ; ПИНЮ.305121.007 СБ; specifications ПИНЮ.305121.007 СП – 1 лист; ПИНЮ.676147.098 – 11 sheets; Drawings № № ПИНЮ.721561.009; ПИНЮ.726111.015; ПИНЮ.731251.036; ПИНЮ.741134.110; ПИНЮ.756461.008; ПИНЮ.735222.008; ПИНЮ.676147.098; ПИНЮ.757513.003 СБ; ПИНЮ.713241.013-01с\з.

19.5. Additional information presented:

19.5.1 Passport of capacitors for compensation in fluorescent, halogen, sodium and mercury vapor lamps – К78-99.

19.5.2 Passport of a pulse ignition device - ИЗУ 50-400/001 УХЛ2.

19.6 Corrected operating instructions

Sofia, 2018-06-22
Executive Director:
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"MINPROEKT" JSC

CERTIFICATE

[1] **Supplement № 2 to 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 0131 X**
[4] **Product (Equipment or protective system): Luminarie, type VELAN 21**
[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. 18/24.04.2014; No 17/18.09.2015**

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

This applies to versions VELAN21-125 (250)	This applies to version VELAN 21-400
II 2 G Ex d IIC T* (T3...T5) Gb	II 2 G Ex d IIC T* (T3...T4) Gb
	II 2 D Ex t_b IIIC T200°C IP66 Db - $20^0C \leq T_a \leq +55^0C$
T* - The temperature class varies from T3 to T5 depending on the source of light (see the table in the technical data)	T* - The temperature class varies from T3 to T4 depending on the source of light (see the table in the technical data)

The supplement to of this Certificate was issued on 30.09.2015, in conjunction with the complementary of the characteristics of the type.

This certificate does not authorize the manufacturer or his authorized representative to affix CE marking followed by the identification number of the Notified Body as well as the marketing and/or commissioning.

Sofia, 2015-09-30

The certificate with this supplement is valid to 30.09.2020

Executive Director:
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[13] Schedule
[14] Supplement № 2 to EC-type-examination certificate No. MP 14 ATEX 0131 X (Translation)
[15] Characteristics of the type, subject to the examination

1. Technical description
Luminaire type "VELAN 21" is produced in three versions - VELAN 21-125, VELAN 21-250 and VELAN 21-400. The luminaire 'consists of an aluminum main body, and a light transmitting element made of borosilicate glass. As a light source high pressure mercury lamps, high pressure sodium lamps or metal halide lamps can be used.

2. Technical data of the product.

2.1. Type designation:

VELAN 21 X_1 X_2 X_3 X_4

Type of the luminarie (125, 250, 400)

Type of the lamp used
HSE – high pressure sodium lamp
HME – high pressure mercury lamp
HIE – metal halide lamp

Power of the lamp used

Method of attachment: K – on a hook; V – suspended; N1 – on a wall to 30°; S1 – with a bracket; P – on the ceiling; O – with a support; T1 – on a pipe; T2 – on a pipe with a junction box

Presence and type of reflector: KO - with a dome reflector;
UO – an angular reflector
The symbol is not put in the absence of reflector

Lamp used	Power (W)	Temperature class (T°)
High pressure mercury lamp – E27	125	T4
High pressure sodium lamp – E27	100	T5
Metal halide lamp – E27	100	T5
High pressure mercury lamp – E40	250	T3
High pressure sodium lamp – E40	250	T4
Metal halide lamp – E40	250	T4
High pressure mercury lamp – E40	400	T3
High pressure sodium lamp – E40	400	T4
Metal halide lamp – E40	400	T3

Sofia, 2015-09-30

Executive Director:
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[13] Schedule

[14] Supplement № 2 to EC-type-examination certificate No. MP 14 ATEX 0131 X (Translation)

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

2. Technical data of the product.

2.2. Technical data:

- operating temperature range: -20^{0}C ÷ +55^{0}C;
- relative humidity of the environment: to (95 ±2) % at temperature (35±2) ^{0}C;
- housing - aluminum alloy ALSi12;
- operating voltage - max. 220V;
- cross-section of the feeder conductors – max. 2,5mm^2;
- IP code – IP66;

3. Application field

Luminaire, type VELAN 21, is designed for use in explosive areas according to its explosive markings.

[16] Test report No 18/24.04.2014; No 17/18.09.2015

[17] Special requirements for safety use – Luminaire type VELAN 21 is designed for a working temperature range of –20 ^{0}C ≤ Ta ≤ +55 ^{0}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. Instruction manual, Supplement to the Instruction manual of the version VELAN 21-400

2. Specifications

3. Constructional documentation containing drawings № № ПИНЮ.676147.059 СБ; specifications ПИНЮ.676147.059 СП – 22 sheets.; drawings № № ПИНЮ.676147.083 СБ; specifications ПИНЮ.676147.083 – 28 sheets; drawings № № ПИНЮ.676147.059 Э3; ПИНЮ.745312.051; ПИНЮ.745352.043; ПИНЮ.745422.034; ПИНЮ.745423.037; ПИНЮ.745423.039; ПИНЮ.746721.004; ПИНЮ.746221.005; ПИНЮ.746721.008; ПИНЮ.746735.001; ПИНЮ.746735.002; ПИНЮ.754152.032; ПИНЮ.754175.038; ПИНЮ. 754176.077; ПИНЮ.301121.013; ПИНЮ.301121.013; ПИНЮ.301121.014; ПИНЮ.301261.217 СБ; ПИНЮ.301541.036 СБ; ПИНЮ.305121.002 СБ; ПИНЮ.686164.007 СБ; ПИНЮ.711141.041; ПИНЮ.711253.001; ПИНЮ.711254.001; ПИНЮ.713141.061; ПИНЮ.731251.052; ПИНЮ.731251.053; ПИНЮ.754175.040; ПИНЮ.755746.042; ПИНЮ.755746.043; ПИНЮ.756461.015; ПИНЮ.757471.011; ПИНЮ.301421.020; ПИНЮ.745112.132; ПИНЮ.745222.053; ПИНЮ.745242.015; 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.

4 Supplement to the Constructional documentation: Drawings № № ПИНЮ.676147.098 СБ; ПИНЮ.676147.098 Р3; Specification ПИНЮ.301541.016 СБ; Drawings № № ПИНЮ.301541.016 СБ; ПИНЮ.305121.007 СБ; Specifications ПИНЮ.305121.007 СП – 1 sheet; ПИНЮ.676147.098 – 11 sheets; Drawings № № ПИНЮ.721561.009; ПИНЮ.726111.015; ПИНЮ.731251.036; ПИНЮ.741134.110; ПИНЮ.756461.008; ПИНЮ.735222.008; ПИНЮ.676147.098; ПИНЮ.757513.003 СБ; ПИНЮ.713241.013-01с\з.

5. Additional information

5.1. Passport of capacitors for compensation in fluorescent, halogen, sodium and mercury vapor lamps – К78-99.

5.2. Passport of a pulse ignition device - ИЗУ 50-400/001 УХЛ2.

Sofia, 2015-04-30

Executive Director:
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