



EU - Type Examination Certificate

(1)

(2)

Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)

(3) EU - Type Examination Certificate number:

FTZÚ 17 ATEX 0121X

(4) Product: **The LED floodlight type JUKO HX-*****_****

(5) Manufacturer: **Jukolux Oy**

(6) Address: **Yrittäjänkatu 15; 65380 VAASA; Finland**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report number:

17/0121 dated 27.06.2019

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-7:2015,
EN 60079-28:2015, EN 60079-31:2014**

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

(11) This certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



**II 2G Ex db eb op is IIC T5 Gb
II 2D Ex tb op is IIC T95°C Db**

This certificate is valid till: **30.06.2024**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 28.06.2019

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**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13)

Schedule

(14) **EU - Type Examination Certificate No. FTZÚ 17 ATEX 0121X**

(15) Description of Product:

The equipment LED floodlight model JUKO HX-*****-** is made from aluminium alloy and consists of four enclosures:

1. Terminal blocks enclosure:

It is protected by the type of protection "eb" and "tb" and it is used for connection of power supply cable. This enclosure is equipped with two M25 thread holes for installation of appropriate certified Ex equipment cable gland / Ex blanking elements.

2. Driver and current limiter enclosure:

It is protected by the type of protection "db" and "tb".

Terminal block enclosure and driver enclosure are separated by bushing.

3. LED terminal block enclosure:

It is protected by the type of protection "eb" and "tb".

The output cable from driver enclosure is connected via the bushing and the cable gland to the LED terminal block enclosure.

4. LED module enclosure:

It is protected by the type of protection "db" and "tb". This enclosure consists of cover with the cemented sight glass and it is fixed to the body by special fasteners. There is installed LED module.

LED terminal enclosure and LED module enclosure are separated by bushing.

Technical parameters:

Un = 100 ... 240 VAC, 50-60 Hz

Models:

HX-06100-24: In = 1.0 A, Pn = 50 W, reflector 24°

HX-06100-40: In = 1.3 A, Pn = 70 W, reflector 40°

HX-06100-55: In = 1.6 A, Pn = 90 W, reflector 55°

HX-08500-24: In = 1.0 A, Pn = 50 W, reflector 24°

HX-08500-40: In = 1.3 A, Pn = 70 W, reflector 40°

HX-08500-55: In = 1.6 A, Pn = 90 W, reflector 55°

HX-11000-24: In = 1.0 A, Pn = 50 W, reflector 24°

HX-11000-40: In = 1.6 A, Pn = 70 W, reflector 40°

HX-11000-55: In = 1.6 A, Pn = 90 W, reflector 55°

Responsible person:

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Head of Certification Body



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Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **EU - Type Examination Certificate No. FTZÚ 17 ATEX 0121X**

(16) Report Number.: 17/0121 dated 28.06.2019

(17) Specific Conditions of Use:

1. Ambient temperature range: $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$.
2. For information on the dimensions of the flameproof joints the manufacturer shall be contacted.
3. Equipment must be installed to avoid a risk from propagating brush discharges for application in explosive dust atmosphere.
4. Fasteners with a minimum property class A4-70 must be used for mounting of flame proof enclosure parts.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this certificate.

(19) Drawings and Documents:

| Number | Sheets | Issue | Date | Description |
|--------------|--------|-------|------------|-----------------------|
| OI-019001-1 | 18 | a | 28.06.2019 | Operating Instruction |
| VA0009416 | 15 | C04 | 12.06.2019 | Drawings |
| 10101 | -- | A | 01.06.2019 | Drawing |
| VA0009829 | 1 | H02 | 12.06.2019 | Drawing |
| VA0009832 | 1 | F01 | 12.06.2019 | Drawing |
| A_001_6_2019 | 1 | -- | 28.06.2019 | Drawing |
| A_002_6_2019 | 1 | -- | 28.06.2019 | Drawing |

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