



(1) **Supplementary EU - Type Examination Certificate No.1**

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

(3) EU - Type Examination Certificate number:

FTZÚ 23 ATEX 0017X

(4) Product: **Ex LED luminaire JUKO ALX and JUKO AFX**

(5) Manufacturer: **Jukolux Oy**

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

(7) This supplementary certificate extends EU - Type Examination Certificate No. FTZÚ 23 ATEX 0017X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached 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, as modified by this supplementary certificate, 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.

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

**EN IEC 60079-0:2018, EN 60079-7:2015+A1:2018, EN 60079-18:2015+A1:2018,
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) The marking of the product shall include the following:



**II 2G Ex eb mb op is IIC T4 Gb
II 2D Ex tb op is IIC T85°C Db**

(12) This certificate is valid till: **30.06.2029**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 21.06.2024

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Annex: 1 (1 sheet)

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

Schedule

(13)

(14) **Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 23 ATEX 0017X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- addition of type JUKO AFX.
- Extension of certificate validity.

A type JUKO AFX is assembled from two or three complete JUKO ALX-06 type luminaires mounted in a stainless steel supporting bracket with a holder inserted into the luminaire profiles. The electrical equipment of the luminaires is unchanged and they are connected to each other by power wires in a through wiring.

Variants of luminaire JUKO AFX:

- a) AFX – 06 – 02:
- AFX-06-Mx-xxx-GL-C-P-A-25- xxx-x
 - AFX-06-Mx-xxx-GL-C-P-A-25- xxx-x
- b) AFX – 06 – 03:
- AFX-06-Mx-xxx-GL-C-P-A-25- xxx-x
 - AFX-06-Mx-xxx-GL-C-P-A-25- xxx-x
 - AFX-06-Mx-xxx-GL-C-P-A-25- xxx-x

Type coding of luminaire: - see Annex No. 1

Electrical parameters:

Rated Voltage Un: 230 V, 50/60 Hz
Rated current In: 150 mA
Power: 100 W – AFX-06-02; 150 W – AFX-06-03
Degree of IP protection: IP 66

(16) Report Number: 23/0017/1

(17) Specific Conditions of Use:

1. Ambient temperature range: $-40^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$.
2. The luminaire must be installed to avoid a risk from propagating brush discharges for application in explosive dust atmosphere.
3. The used cable glands are only suitable for fixed installation. Cables shall be effectively clamped to prevent pulling or twisting.

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



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Physical-Technical Testing Institute
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(13)

Schedule

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(18) Essential Health and Safety Requirements:

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

(19) Drawings and Documents:

Number	Issue	Sheets	Date	Description
OI-AFX0001	2	17	12.06.2024	Operating Instructions JUKO AFX
AFX-06-03	A	8	20.03.2024	Drawing
AFX-06-02	A	8	12.06.2024	Drawing

Responsible person:

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Annex No. 1

to Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 23 ATEX 0017X

Type coding of luminaire:

JUKO AFX-xx-Mx-xxx-GL-C-P-x-xx-xxx-x
1 2 3 4 5 6 7 8 9 10

1 Length of the luminaire	
06	640 mm
2 Amount of LED Modules	
M4	4 LED module (100W)
M6	6 LED modules (150W)
3 Optics	
060	60°
090	90°
120	120°
4 Cover	
GL	Glass
5 Cover type	
C	Clear
6 Material of cable glands	
P	Plastic

7 Breather drain	
A	M12
8 Size of cable glands	
25	M25
9 Coupling	
S1	1 phase
S3	3 phase
T3	Through wiring, 3 phase
ST1	Same end through wiring, 1 phase
ST3	Same end through wiring, 3 phase
10 Installation options	
1	Basic
2	Heavy duty
3	Pole adapter
4	Adjustable handle
5	22,5°
6	45°
7	Adjustable angle 15°- 30°

Responsible person:

Garrigue

Dipl. Ing. Lukáš Martinák
Head of Certification Body



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