



AC 099

OBAC

Ośrodek Badań, Atestacji i Certyfikacji Sp. z o.o.
44-121 Gliwice, ul. Łabędzka 21

(1) TYPE EXAMINATION CERTIFICATE

- (2) Equipment, components and protective systems intended for use in potentially explosive atmospheres. Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014.
- (3) Type examination certificate No: **OBAC 20 ATEX 0366X**
- (4) Product: **LED MAX Projector**
- (5) Manufacturer: Airfal International S.L.
- (6) Address: CALLE RIO ESERA N° 5
50830 VILLANUEVA DE GALLEGO (Zaragoza; Spain)
- (7) This equipment, component or protective system and any of its approved version is specified in this certificate and in documents listed in p. 19.
- (8) Ośrodek Badań, Atestacji i Certyfikacji OBAC Sp. z o.o. (The Institute for Research and Certification „OBAC” Ltd) certifies that this equipment, component or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment, component or protective systems intended for use in potentially explosive atmospheres given in Annex II to the European Council Directive 2014/34/EU.
The examination and test results are recorded in the confidential report No. OBAC/20/ATEX/0366X.
- (9) Compliance with the Safety Requirements has been assured by conformity with:
- | | | |
|---|---|---|
| PN-EN IEC 60079-0:2018-09
(EN IEC 60079-0:2018) | PN-EN IEC 60079-15:2019-06
(EN IEC 60079-15:2019) | PN-EN 60079-31:2014-10
(EN 60079-31:2014) |
|---|---|---|
- (10) If the sign „X” is placed after the certificate number, it indicates that the product concerned is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This certificate is valid from 30.10.2020 until 29.10.2025 and relates only to the design, assessment and tests of the specified equipment according to the Directive 2014/34/EU. The certificate does not apply to further requirements of the Directive relating to the manufacture and placing on the market of this equipment.
- (12) The marking of the equipment, component or protective system must include the following:

 **II 3G Ex nR IIC T5 Gc**

 **II 3D Ex tc IIC T100° Dc**



**Certification Body
Manager**


Piotr Tarnawski M. Com.

Gliwice, 30th October 2020



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(13)

SCHEDULE

(14)

to the Type Examination Certificate
No. OBAC 20 ATEX 0366X

(15) Ex Product description:

The main body of luminaire is constructed by an aluminium alloy case. Inside the case all electrical components, such as LED light source and driver are installed. Cover with glass window is mounted on the front side. At rear side is a cap with terminal block mounted on its internal side. The case has two cable entries in the form of two M25 holes, not threaded. In these holes are installed an M25 metallic cable glands and/or plug.

Rated data:

Nominal voltage	Un: 220-240V, 50-60Hz
Nominal current	In: 0.22-0.95A
Ambient temperature range	-20°C ≤ Ta ≤ +45°C
Degree of protection	IP66/IP68

POTENCIAS DISPONIBLES / AVAILABLE POWERS				
REFERENCIA	POTENCIA(W)	EMISIÓN LUMINARIA (lm)	Tª COLOR /COLOR TEMP	TAMAÑO / SIZE (mm)
PA104	48	6700	4000	570x496x98
PA204	97	13400	4000	570x496x98
PA304	146	20100	4000	570x496x98
PA404	194	26800	4000	570x496x98

Marking:

LED MAX Projector

(16) Report:

- OBAC/20/ATEX/0366X

The LED MAX Projector meet the requirements for devices with explosion proof design and may be used as a device of group II, category 3GD.





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(17) Special conditions for safe operation:

- the luminaire should be fitted with certified cable glands with appropriate thread, Ex marking (nR, tc), operating temperature range and required IP. Unused openings must be closed with Ex blanking elements.
- earth tag mounted on the cable gland shall be used for equipotential bonding conductor connection - see manual.
- front cover of the luminaire shall not be opened - re-lamping not to be done by user.
- the luminaire does not have a test port - refer to the manual for instructions of gasket replacement (regarding "nR" type of protection)..

(18) The compliance with Safety Requirements has been assured by compliance with standards shown in p.9 of this certificate.

(19) List of agreed documentation:

- “Model LED MAX PROJECTOR. Descriptive report. Rev.0”, April, 2020
- “PROJECTOR LED MAX. User manual. MU-MAX-0. Rev.0”, October, 2020
- “Projector ATEX LED. Carcasa. LM-01”, December, 2020.
- “Projector ATEX LED. Montaje Carcasa. LM-09”, April, 2020.

