

## EU Declaration of conformity

We :

**APPARECCHIATURE ELETTRICHE DI SICUREZZA s.a.s**

Via per S. Angelo 1, S. Giuliano Mil. (Mi) – Italy

[www.aes-antideflagranti.it](http://www.aes-antideflagranti.it)

Hereby declare that the product :

**Lighting fixture EV .. with marking**



II 2GD

Ex db IIC T6.....T3 Gb

Ex tb IIC T85°C.....T200°C Db IP66

Tamb.: -20°C / +40°C or -20°C / +60°C

Is in conformity with the following harmonized comunitary directives and with the relevant national laws :

**2014/34/UE**

and that the following harmonized standards have been applied :

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

**The product also complies with EN IEC 60079-0:2018** because, as a result of the technical analysis performed, there were no substantial changes affecting the Conformity to its ATEX CERTIFICATE.

UE- type certificate nr.  
**INERIS 01ATEX0072X**

Notified body INERIS 0080 - Parc technologique ALATA France



S. Giuliano Mil. – Mi. 07/07/2021

Firma/Signature : G. Maragnani DG

SN/EVA/07 REV.7 del 06/07/20021



**LIGHTING FIXTURES EVA 50 – EVA100 – EVA200 – EVA300 type**  
**INSTALLATION AND MAINTENANCE INSTRUCTION in accordance to :**  
**Directive 2014/34/EU**

**A.E.S** via per S .Angelo,1-S.Giuliano Mil - Tel – 39029834794 – 0298232740  
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Assures and guarantees that this product is built in according to : EN 60079-0 :2012+A11:2013  
EN 60079-1:2014, EN 60079-31:2014, EN 60529 and the prototype in the laboratory certificate INERIS.  
The apparatus must be installed in conformity to the following :  
EN 60079-17, 60079.14 or in accord to the relevant national law.

**SAFETY CHARACTERISTICS :**

**Lighting fixtures without external plastic globe. Zone 1 & 2 and Zone 21 & 22**

**Group II category G D**

Material destined to the surface industries with presence of explosive gas vapour and dust

**II 2GD Ex db IIC T6...T3 GB Ex tb IIIC T85°C...T200°C Db IP66**

Ambient temperature: - 20°C + 40°C or -20°C + 60°C

Maximum Voltage : 48VDC & 440VAC

**Lighting fixtures with external plastic globe for Zone 1 & 2**

**Group II category 2 G**

Material destined to the surface industries with presence of explosive gas.

**II 2 G Ex db II C T6...T3 Gb IP66**

Clean periodically to avoid the formation of dust layers  $\geq 5\text{mm}$ .

**Lighting fixtures EV..50 with Fresnel lens (Zone 1&2) Warning ! danger of electrostatic charges.**

All this in complete accordance with the Directive 2014/34/EU specific for all systems destined to be used in potential explosive environments.

**NOTES FOR THE TECHNICIAN**

**INSTRUCTIONS FOR SAFETY AND SERVICE START UP**

The entry of cable must be achieved through joint block with cable gland with certification Ex d (Gas) and (Dust)

the thread of cable entry is identified by the letter after the type of device:

**G = 3/4" GK**

**M = M 25 X1,5 mm**

**N = 3/4" NPT**

Use wire suitable for at least 1,5 mm<sup>2</sup> section is for the phase and earth connection.

Before every opening of the housing be sure to remove the electric feed.

Before closing the enclosure check that joint were free off or any matters and deformations.

Only the use of LED, MULTILED and XENON bulbs allows the PVC insulation cable.

When using other type of light bulbs it is recommended to pay attention to the working temperature on the tag plate of the lighting fixture: in these cases use only cables suitable for high temperature.

The table below shows the working temperatures for each used bulb:

- |   |   |                  |
|---|---|------------------|
| - EV_50 : 75°C (bulb 15 W)                | - EVA 100 : 190°C (bulb $\geq 20\text{W}$ ) | - EVA 300 : 200C |
| - EV_50 : 160°C (bulb $\geq 20\text{W}$ ) | - EVA 200 : 210°C (bulb $\geq 23\text{W}$ ) |                  |

There shall be no change in the material without the written permission of AES.

This operating instruction must be kept in safe place for later consultation.