



Declaration CE of conformity

We :

APPARECCHIATURE ELETTRICHE DI SICUREZZA s.a.s

Via per S. Angelo 1, S. Giuliano Mil. (Mi) – Italy
www.aes-antideflagranti.it

Hereby declare that the product :

Lighting fixture **EVA ...0** with marking

II 2GD Ex d IIC T3/T4/T5T6 Gb



Ex tb IIIC T200°C/T135°C/T100°C/T85°C Db IP65
T.amb . 20°C / + 40°C or -20°C/ +60°C

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

94/9/EC

and that the following harmonized standards have been applied :

EN 60079-0 :2009, EN 60079-0:2012, EN 60079-1:2007, EN 60079-31:2009

CE type certificate nr.
INERIS 01ATEX0072X

Notified body **INERIS 0080** - Parc technologique **ALATA France**



S.Giuliano Mil. –Mi. 28-02-2014

Firma/Signature : G. Maragnani



LIGHTING FIXTURES EVA 50 – EVA 100 – EVA 200 – EVA 300 type INSTALLATION AND MAINTENANCE INSTRUCTION

A.E.S via per S. Angelo, 1 S. Giuliano Mil. – Tel. 39.029834794 – 0298232740

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Assures and guarantees that this product is built in according to :

EN 60079-0 :2009, EN 60079-0:2012, EN 60079-1:2007, EN 60079-31:2009

The apparatus must be installed in conformity to the following : EN 60079-14, EN 60079-17 or in accord to the relevant national law.

SAFETY CHARACTERISTICS :

Group II category 2 GD or 2G

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

Ex d IIC T3-T6 & dust Ex tb IIIC T200°C – T85°C Db

Class of superficial temperature of the housing determined by the inside electric device :

T 3/T200°C for incandescent light, Hg vapour, Na vapour and halogen.

T4/T135°C for fluorescent compact 15w/20w

T5/T100°C for led 17 w

T6/T85°C for fluorescent lamp ≤ 25w, xenox lamp 6J, LED lamp ≤ 9w

All this is in complete accordance with the directive ATEX 94/9/CE specific for all systems destined to be used in potential explosive environments.

NOTE FOR THE TECHNICIAN

INSTRUCTIONS FOR SAFETY AND SERVICE START-UP

It is important to follow all instructions shipped with this product.

The electrical apparatus shall be installed in absence of damages.

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

Before closing the enclosure check that joint were lubricated and free of foreign matters and deformations.

Only certified cable entries are permitted for use. Cable entries with protection degree lower than IP 65 reduce the whole protection of the apparatus.

Threaded entry is identified by the letter following EVA type :

G = 3/4" GK - N = 3/4" NPT - M = M 25x1,5mm

Only with fluoreshent bulbs shall be installed cable with PVC insulation, when others bulbs type are used, must be used cables with the following temperature range :

- **EVA 50** 75° or 160°c
- **EVA 100** 190°c
- **EVA 200** 210°c
- **EVA 300** 200°c

The apparatus is provided with terminals suitable to connect wires up to 1,5 sqmm.

Do not change or modify internal electric because this would compromise te certification features.

This electrical apparatus must be used for its intended purpose.

THANKS AGAIN FOR PURCHASING OUR PRODUCT

REV. 3 DEL 28/02/2014

INSTALLATION

After connecting cable and screwed down the bulb, lubricate the joint of the enclosure, replace damaged gasket and tight down, at last put the screw anti loosing.

EVA lighting are furnished in a following type:

- **EVA** suspension lamp
- **EVC** ceiling lamp
- **EVJ** wall lamp 45° inclined
- **EVP** portable lamp
- **LPA** for air navigation

Lighting fitting EVA type are used for bulb with rated voltage :
24 ÷ 440 Vac 50/60Hz and 6 ÷ 48 Vdc

Ambient temperature (°C) : - 20 to + 40 / -20 to + 60

Terminals connection (mm²) : 2,5

The electrical apparatus shall be installed in absence of damages.

Observe the national standards concerning electrical apparatus for potentially explosive atmospheres.

Utilize the installation accessories supplied by A.E.S

Before closing the enclosure check that joint were lubricated and free of foreign matters and deformation

Repairs and replacements of damaged or faulty parts must be carried out by skilled and experienced personnel with spare parts supplied by A.E.S

To change lamp, proceed as follows:

1. Loosen the set screw, located on the globe –and–holder assembly.
2. remove the globe-and-holder assembly by rotating the globe counterclockwise.
3. to remove the lamp, unscrew the lamp (turn counterclockwise) to remove it from socket.
4. Replace the lamp.
5. reassemble unit by threading globe assembly into the main housing until tight, then tighten the set screw.

Fixture should be cleaned periodically to maintain maximum light output. Only mild, non-abrasive cleaning agents should be used. Force of water applied by hose not exceed 65 gallons per minute from a 1" diameter hose at a distance of 10 feet. The glass globe should be regularly inspect for scratches and chips, and, if damaged, must be replaced.

WARNING

Repairs that effect explosion proof protection may only be carried out by A.E.S

The A.E.S factory will service your equipment or provide technical assistance with any problems that cannot be handled locally with satisfaction or promptness. If any unit is returned to A.E.S for adjustment or repair, it can be accepted only if we are notified by mail or phone in advance of its arrival. Such notice should clearly indicate the service requested and give all pertinent information regarding the nature of the malfunction and, if possible its cause.

DO NOT DISPOSE THE APPARATUS AND HIS COMPONENTS IN THE ENVIRONMENT.

To prevent ignition of hazardous atmospheres, disconnect the fixture from the supply circuit before opening. Keep tightly closed when in operation.

Any maintenance to the light system must be done with power turned off.

Never alter the unit in any manner. Safety in hazardous locations may be endangered if Additional openings or other alterations are made in units specifically designed for use in these locations. The nameplate, which may contain cautionary or other information of importance to maintenance personnel, should NOT be obscured in any way. Ensure that the name-plate remains readable when the housing's exterior is painted.

These operating instructions must be kept in a safe place for later consultation.

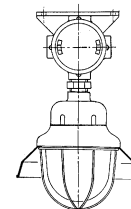
For skilled and experienced personnel according with the national lows,the relevant standards and, where applicable, according with IEC-79-17 standards for electrical apparatus for potentially explosive atmospheres. Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death to you or others.

This electrical apparatus must be used for its intended purpose. No modification to electrical apparatus shall be allowed.

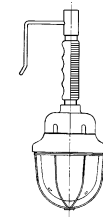
Observe the electrical features indicated on the apparatus.

This electrical apparatus is **not suitable** to be installed in zone **0** and zone **20**.

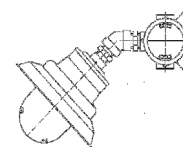
Disposal/recycling : Disposal and recycling of the apparatus according to the national regulations for waste disposal and recycling.



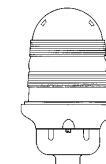
EVC



EVP



EVJ



LPA

ACCESSORIES : external reflector anodized aluminium
Stainless steel guard