



- (2) **Equipment and protective systems intended for use in potentially explosive atmospheres
Directive 94/9/EC**

(1) **EC-TYPE EXAMINATION CERTIFICATE**

- (3) Number of the EC type examination certificate: **INERIS 05ATEX0075X**

- (4) Equipment or protective system:

FLOODLIGHT BOX TYPE VSE45 EX

- (5) Manufacturer:

ECA HYTEC

- (6) Address:

**501, rue de la Croix de Lavit
Parc Euromédecine
F - 34197 MONTPELLIER**

- (7) This equipment or protective system and any other acceptable alternative of this one are described in the annex of this certificate and the descriptive documents quoted in this annex.

- (8) The INERIS, notified body and identified under number 0080, in accordance with article 9 of Council Directive 94/9/EC of the 23rd March 1994, certifies that this equipment or protective system fulfils the Essential of Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, described in annex II of the Directive.

The examinations and the tests are consigned in confidential report No P70002/05.


- (9) The respect of the Essential Health and Safety Requirements is ensured by:

- conformity with:

EN 50 014 of June 1997 + Amendments 1 and 2
EN 50 018 of November 2000 + Amendment 1
EN 50 281-1-1 of September 1998 + Amendment 1

- specific solutions adopted by the manufacturer to meet the Essential Health and Safety Requirements described in the descriptive documents.

- (10) Sign X, when it is placed following the Number of the EC type examination certificate, indicates that this equipment and protective system is subjected to the special conditions for safe use, mentioned in the annex of this certificate.
- (11) This EC type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system, these are not covered by this certificate.
- (12) The marking of the equipment or the protective system will have to contain:

 II 2 GD

EEx d IIC T3 T200 °C IP6X

Verneuil-en-Halatte, 2006 08 02


C. PETITFRERE




Project Manager at the ATEX
Equipment Certification Laboratory

Director of the Certifying Body,
By delegation
B. PIQUETTE
Deputy Manager of Certification

(13)

ANNEX

(14)

EC TYPE EXAMINATION CERTIFICATE N° INERIS 05ATEX0075X

(15)

DESCRIPTION OF THE EQUIPMENT OR THE PROTECTIVE SYSTEM

This floodlight made in light alloy gets, the protection degree IP6X according to the European standard EN 60 529.


PARAMETERS RELATING TO THE SAFETY

Maximum supply voltage : 12 V or 24 V (AC or DC)
Power of the lamp : 20 W Halogen

MARKING

Marking has to be readable and indelible ; it has to include the following indications:

ECA HYTEC
F - 34197 MONTPELLIER
VSE45 EX
INERIS 05ATEX0075X
(Serial number)
(Year of construction)

 II 2 GD

EEx d IIC T3

T200°C IP6X

T.cable : 169°C

DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

Marking may be carried out in the language of the country of use.

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

ROUTINE EXAMINATIONS AND TESTS

In accordance with clause 16.2 the EN 50 018 standard, the equipment defined above is exempted of routine test in owing to the fact that it has undergone a static type test at 4 times the reference pressure under 80 bar.

(16) DESCRIPTIVE DOCUMENTS

The descriptive documents quoted hereafter constitute the technical documentation of the equipment, subject of this certificate.

- Descriptive note and drawings ref. HY 78 36 00 C of 2006.07.13 (8 pages)
- Instructions ref. MUE00427FRC-1 rev.C of 2006.07.13 (5 pages + 2 drawings)

These documents were signed on 2006.07.28

(17) SPECIAL CONDITIONS FOR SAFE USE

- The equipment is intended to be used in an ambient temperatures range from -10°C to 50°C.
- During the installation, the user will take into consideration that the equipment underwent only a shock corresponding to an energy of a low risk.
- For the equipment with a permanently connected cable, the user will have to connect the free extremity of cable either in a non-explosive atmosphere, or in an enclosure protected by a recognised protection mode adapted to the area.

The other conditions are stipulated in the instructions.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements is ensured by:

- Conformity to the European standards EN 50 014, EN 50 018 and EN 50 281-1-1.
- All provisions adopted by the manufacturer and defined in the descriptive documents.