

- (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 12ATEX0023X**

- (4) Equipment or protective system:

**LIGHTING FIXTURE TYPE EVFG...**

- (5) Manufacturer: **FEAM**  
(6) Address: **Via Mario Pagano, 3  
I - 20090 Trezzano Sul Naviglio (MI)  
ITALY**

- (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) INERIS, notified body and identified under number 0080, in accordance with article 9 of Council Directive 94/9/EC of the 23rd March 1994, and accredited by COFRAC under number 5-0045 for certification of products and services (scope of accreditation available on the website [www.cofrac.fr](http://www.cofrac.fr)) 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 report No 025967/13.


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

- conformity with:

EN 60079-0	:	2009	IEC 60079-0	:	2011
EN 60079-0	:	2012	IEC 60079-0	:	2007
EN 60079-1	:	2007	IEC 60079-1	:	2007
EN 60079-31	:	2009	IEC 60079-31	:	2008

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

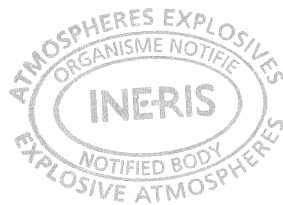
- (10) Sign X, when it is placed following the Number of the EC type examination certificate, indicates that this equipment and protective system is subjected to the special conditions for safe use, mentioned in the annex of this certificate.
- (11) This EC type examination certificate relates only to 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

Verneuil-en-Halatte, 2013.12.11



The Chief Executive Officer of INERIS  
By delegation  
T. HOUEIX  
Ex Certification Officer



(13)

## ANNEX

(14)

**EC TYPE EXAMINATION CERTIFICATE N° INERIS 12ATEX0023X**

(15)

### DESCRIPTION OF THE EQUIPMENT OR THE PROTECTIVE SYSTEM

This lighting fixture is constituted by a glass tub sealed in light alloy parts, it is intended to received one or two fluorescent lamps with or without emergency version.

This equipment gets the degrees of protection IP66 in accordance with EN/IEC 60529 standard.

### PARAMETERS RELATING TO THE SAFETY

Maximum supply voltage for electronic ballast : 277 V.

#### Power of the fluorescent lamp:

For type EVFGd- 1 18 or EVFGd-E 1 18 : 1 x 18 W

For type EVFGd- 2 18 or EVFGd-E 2 18 : 2 x 18 W

For type EVFGd- 1 36 or EVFGd-E 1 36 : 1 x 36 W

For type EVFGd- 2 36 or EVFGd-E 2 36 : 2 x 36 W

For type EVFGd- 1 58 or EVFGd-E 1 18 : 1 x 58 W

For type EVFGd- 2 58 or EVFGd-E 2 58 : 2 x 58 W

The emergency version is located with the additional letter "E" in the type.

#### Electrical characteristic of the batteries:

Manufacturer	Type	Nominal voltage of cell	Capacity	Number of cell
SAFT	VTD	1.2 V	4 300 mAh	3 or 4
SAFT	VTF	1.2 V	7 700 mAh	3 or 4

#### Electrical characteristic of the fuse protection:

Manufacturer : SIBA

Type : 18900

Current : 6.3 A

These enclosures can be use in the range of ambient temperatures from -20°C to +60°C.

## **MARKING**

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

FEAM


I - 20090 Trezzano Sul Naviglio (MI)

EVFG...(\*)

INERIS 12ATEX0023X

(Serial number)

(Year of construction)

 II 2 GD

Ex d IIC T6 Gb

Ex tb IIIC T85°C Db IP66

-20°C < Tamb < 60°C

Cable gland : (Type and size)

**WARNINGS :** DO NOT OPEN WHEN ENERGIZED  
DOT NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

(\*) The type is completed by a letter and numbers in accordance with the manufacturing variations, types are indicated in the parameters relating to the safety.

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 16.1 of the EN/IEC 60079-1 standard each apparatus defined above has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under 15 bar.

### **(16) DESCRIPTIVE DOCUMENTS**

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

- Certification file n° 13\_215 rev.0 (8 rubrics)

Dated and signed on 2013.08.20

### **(17) SPECIAL CONDITIONS FOR SAFE USE**

- The depth engagement of the threaded joints is superior to the value specified in the tables of EN 60079-1 standard.
- During the installation, the user will take into consideration that the equipment underwent only a shock corresponding to an energy of a low risk.

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 standards quoted in clause (9).
- All provisions adopted by the manufacturer and defined in the descriptive documents.

## ADDITION

(3) INERIS 12ATEX0023X/01

(4) LIGHTING FIXTURE TYPE EVFG...

(5) Made by FEAM

### (15) PURPOSE OF THE ADDITION

- Introduction of new versions provided with a terminal box and protected by increased safety.
- Introduction of new types of lamps :
  - LED 5 W, 9 W, 20 W and 27 W.
  - Fluorescent 8 W.
- Application of the European standard EN 60079-0: 2012 / A11: 2013

### PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are modified as follows:

Maximum supply voltage : 277 V.

#### Power of the fluorescent lamp:

For type EVFG*- 1 8 or EVFG*-E 1 8	: 1 x 8 W
For type EVFG*- 2 8 or EVFG*-E 2 8	: 2 x 8 W
For type EVFG*- 1 18 or EVFG*-E 1 18	: 1 x 18 W
For type EVFG*- 2 18 or EVFG*-E 2 18	: 2 x 18 W
For type EVFG*- 1 36 or EVFG*-E 1 36	: 1 x 36 W
For type EVFG*- 2 36 or EVFG*-E 2 36	: 2 x 36 W
For type EVFG*- 1 58 or EVFG*-E 1 18	: 1 x 58 W
For type EVFG*- 2 58 or EVFG*-E 2 58	: 2 x 58 W

#### Power of the LED lamp:

For type EVFG*- 1 5 LED or EVFG*-E 1 5 LED	: 1 x 5 W
For type EVFG*- 2 5 LED or EVFG*-E 2 5 LED	: 2 x 5 W
For type EVFG*- 1 9 LED or EVFG*-E 1 9 LED	: 1 x 9 W
For type EVFG*- 2 9 LED or EVFG*-E 2 9 LED	: 2 x 9 W
For type EVFG*- 1 20 LED or EVFG*-E 1 20 LED	: 1 x 20 W
For type EVFG*- 2 20 LED or EVFG*-E 2 20 LED	: 2 x 20 W
For type EVFG*- 1 27 LED or EVFG*-E 1 27 LED	: 1 x 27 W
For type EVFG*- 2 27 LED or EVFG*-E 2 27 LED	: 2 x 27 W

The emergency version is located with the additional letter "E" in the type.

**Electrical characteristic of the batteries:**

Manufacturer	Type	Nominal voltage of cell	Capacity	Number of cell
SAFT	VTD	1.2 V	4 300 mAh	3 or 4
SAFT	VTF	1.2 V	7 700 mAh	3 or 4

**Electrical characteristic of the fuse protection:**

Manufacturer : SIBA  
 Type : 18900  
 Current : 6.3 A

These enclosures can be use in the range of ambient temperatures from -20°C to +60°C.

**MARKING**

The marking is modified as follows:

FEAM  
 I - 20090 Trezzano Sul Naviglio (MI)  
 EVFG...(\*)  
 INERIS 12ATEX0023X  
 (Serial number)  
 (Year of construction)  
 Ⓢ II 2 GD  
 Ex d IIC T6 Gb or Ex d e IIC T6 Gb  
 Ex tb IIIC T85°C Db IP66  
 -20°C < Tamb < 60°C  
 Cable gland: (Type and size)

**WARNINGS :** DO NOT OPEN WHEN ENERGIZED  
 DOT NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

(\*) The type is completed by a letter and numbers in accordance with the manufacturing variations, types are indicated in the parameters relating to the safety.

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**

The routine examinations and tests are modified as follows:

- In accordance with clause 16.1 of the EN 60079-1 standard each apparatus defined above has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under 15 bar.
- In accordance with clause 7.1 of the EN 60079-7 standard, a dielectric strength test on each of the different circuits of the connection units, performed according to the relevant standards, the supply voltage shall applied during one minute.

**(16) DESCRIPTIVE DOCUMENTS**

The descriptive document quoted hereafter constitutes the technical documentation describing the modification of the equipment, subject of this present addition.

- Certification files n°13\_215 (13 rubrics) rev.1 dated and signed on 2014.02.15

**(17) SPECIAL CONDITIONS FOR SAFE USE**

The special conditions for safe use are unchanged.

**(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS**

The respect of the Essential Health and Safety Requirements is completed or modified as follow:

- Conformity to the standards quoted in clause (15),
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2014.08.08



A handwritten signature in blue ink, appearing to be "T. Houeix".

The Chief Executive Officer of INERIS  
By delegation  
T. HOUEIX  
Ex Certification Officer



## ADDITION

(3) INERIS 12ATEX0023X/02

(4) LIGHTING FIXTURE TYPE EVFG...

(5) Made by FEAM

(15) PURPOSE OF THE ADDITION

- Introduction of a new type of lighting fixture: EVF\*\*\* available with fluorescent lamp 1x18W or 1x36W and LED 9W or 20W. The lighting fixture type EVF\*\*\* is constituted by a glass tube sealed on the light alloy part. The tube part is intended to receive different types of lamps (single fluorescent lamps, LED).

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are modified as follows:

Maximum supply voltage : 277 V.

Power of the fluorescent lamp:

For type EVFG\*- 1 8 or EVFG\*-E 1 8 : 1 x 8 W  
For type EVFG\*- 2 8 or EVFG\*-E 2 8 : 2 x 8 W  
For type EVFG\*- 1 18 or EVFG\*-E 1 18 : 1 x 18 W  
For type EVFG\*- 2 18 or EVFG\*-E 2 18 : 2 x 18 W  
For type EVFG\*- 1 36 or EVFG\*-E 1 36 : 1 x 36 W  
For type EVFG\*- 2 36 or EVFG\*-E 2 36 : 2 x 36 W  
For type EVFG\*- 1 58 or EVFG\*-E 1 18 : 1 x 58 W  
For type EVFG\*- 2 58 or EVFG\*-E 2 58 : 2 x 58W  
For type EVF 118 EL : 1 x 18W  
For type EVF 136 EL : 1 x 36W

Power of the LED lamp:

For type EVFG\*- 1 5 LED or EVFG\*-E 1 5 LED : 1 x 5 W  
For type EVFG\*- 2 5 LED or EVFG\*-E 2 5 LED : 2 x 5 W  
For type EVFG\*- 1 9 LED or EVFG\*-E 1 9 LED : 1 x 9 W  
For type EVFG\*- 2 9 LED or EVFG\*-E 2 9 LED : 2 x 9 W  
For type EVFG\*- 1 20 LED or EVFG\*-E 1 20 LED : 1 x 20 W  
For type EVFG\*- 2 20 LED or EVFG\*-E 2 20 LED : 2 x 20 W  
For type EVFG\*- 1 27 LED or EVFG\*-E 1 27 LED : 1 x 27 W  
For type EVFG\*- 2 27 LED or EVFG\*-E 2 27 LED : 2 x 27 W  
For type EVF 19 LED : 1 x 9W  
For type EVF 120 LED : 1 x 20W

The emergency version is located with the additional letter "E" in the type.

**Electrical characteristic of the batteries:**

Manufacturer	Type	Nominal voltage of cell	Capacity	Number of cell
SAFT	VTD	1.2 V	4 300 mAh	3 or 4
SAFT	VTF	1.2 V	7 700 mAh	3 or 4

**Electrical characteristic of the fuse protection:**

Manufacturer : SIBA  
 Type : 18900  
 Current : 6.3 A

These enclosures can be use in the range of ambient temperatures from -20°C to +60°C.

**MARKING**

The marking is modified as follows:

FEAM


I - 20090 Trezzano Sul Naviglio (MI)

EVFG\*\*\* or EVF\*\*\*

INERIS 12ATEX0023X

(Serial number)

(Year of construction)

 II 2 GD

Ex d IIC T6 Gb (for EVFG\*\*\* or EVF\*\*\* type) or Ex d e IIC T6 Gb (only for EVFG\*\*\* type)

Ex tb IIIC T85°C Db IP66

-20°C < Tamb < 60°C

Cable gland: (Type and size)

**WARNINGS :** DO NOT OPEN WHEN ENERGIZED  
 DOT NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

(\*) The type is completed by a letter and numbers in accordance with the manufacturing variations, types are indicated in the parameters relating to the safety.

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

The routine examinations and tests are modified as follows:

#### For lighting fixture type EVFG\*\*\*:

- In accordance with clause 16.1 of the EN 60079-1 standard each apparatus type EVFG\*\*\* has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under 15 bar.

#### For lighting fixture type EVFG\*\*\* with the terminal box protected by increased safety:

- In accordance with clause 7.1 of the EN 60079-7 standard, a dielectric strength test on each of the different circuits of the connection units, performed according to the relevant standards, the supply voltage shall applied during one minute.

#### For lighting fixture type EVF\*\*\*:

- In accordance with clause 16.1 of the EN 60079-1 standard each apparatus type EVF\*\*\* has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under 17.4 bar.

### (16) DESCRIPTIVE DOCUMENTS

The descriptive document quoted hereafter constitutes the technical documentation describing the modification of the equipment, subject of this present addition.

- Certification file n° 13\_215 (8 rubrics) rev.0 dated and signed on 2013.08.20
- Certification files n° 13\_215 (13 rubrics) rev.1 dated and signed on 2014.02.15
- Certification files n° 13\_215 (7 rubrics) rev.2 dated and signed on 2014.11.03

### (17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions for safe use are unchanged.

### (18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements is completed or modified as follows:

- Conformity to the following standards :
  - EN 60079-0 : 2012/A11 :2013
  - EN 60079-1 : 2007
  - EN 60079-7 : 2007
  - EN 60079-31 : 2009
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2014.12.08

The Chief Executive Officer of INERIS  
By delegation  
T. HOUeix  
Ex Certification Officer





- 2 Appareil ou système de protection destiné à être utilisé en atmosphères explosibles  
*Equipment and protective systems intended for use in potentially explosive atmospheres*

**Directive 2014/34/UE**  
**Directive 2014/34/EU**

1 **ATTESTATION D'EXAMEN UE DE TYPE**  
**EU-TYPE EXAMINATION CERTIFICATE**

- 3 Numéro de l'attestation d'examen UE de type / *Number of the EU-Type Examination Certificate*

**INERIS 12ATEX0023X**

INDICE / *ISSUE* : 03

- 4 Appareil ou système de protection / *Equipment or protective system:*

**APPAREIL D'ECLAIRAGE TYPE EVFG\*\*\* ou EVF\*\*\***  
**LIGHTING FIXTURE TYPE EVFG\*\*\* or EVF\*\*\***

- 5 Fabricant / *Manufacturer:*

**FEAM**

- 6 Adresse / *Address :*

Via Mario Pagano, 3  
I - 20090 Trezzano sul Naviglio (MI)  
ITALY

- 7 Cet appareil ou système de protection et toute autre variante acceptable de celui-ci sont décrits dans l'annexe de la présente attestation et dans les documents descriptifs cités dans cette annexe.

*This equipment or protective system and any acceptable variation thereto is specified in the Annex of this certificate and the descriptive documents therein referred to.*

- 8 L'INERIS, organisme notifié et identifié sous le numéro 0080, conformément aux articles 17 and 21 de la directive 2014/34/UE du Parlement Européen et du Conseil, datée du 26 février 2014, et accrédité par le COFRAC sous le n° 5-0045 dans le cadre de l'activité de certification de produits et services (portée disponible sur [www.cofrac.fr](http://www.cofrac.fr)) certifie que cet appareil ou système de protection répond aux Exigences Essentielles de Sécurité et de Santé en ce qui concerne la conception et la construction des appareils et des systèmes de protection destinés à être utilisés en atmosphères explosibles, décrites en annexe II de la Directive.

*INERIS, notified body and identified under number 0080, in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, and accredited by COFRAC under number 5-0045 for certification of products and services (scope of accreditation available on the website [www.cofrac.fr](http://www.cofrac.fr)), certifies that this equipment or protective system fulfils the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.*

Les procédures de certification sont disponibles sur [www.ineris.fr](http://www.ineris.fr).

*The rules of certification are available on INERIS website on: [www.ineris.fr](http://www.ineris.fr).*

Les examens et les essais sont consignés dans le rapport :

*The examinations and the tests are recorded in report:*

N° 033294 .

9 Le respect des Exigences Essentielles de Sécurité et de Santé est assuré par :

*The respect of the Essential Health and Safety Requirements has been assured by:*

- la conformité à / *Conformity with:*

EN 60079-0 : 2012 / A11: 2013  
EN 60079-1 : 2014  
EN 60079-7 : 2015  
EN 60079-28 : 2015  
EN 60079-31 : 2014

- les solutions spécifiques adoptées par le fabricant pour satisfaire aux Exigences Essentielles de Sécurité et de Santé décrites dans les documents descriptifs /

*Specific solutions adopted by the manufacturer to meet the Essential Health and Safety Requirements described in the descriptive documents*

10 Si le signe X est placé à la suite du numéro de l'attestation d'examen UE de type, il indique que cet appareil ou système de protection est soumis à des conditions spéciales d'utilisation, mentionnées dans l'annexe de la présente attestation.

*If the sign X is placed after the Number of the EU type examination certificate, it indicates that this equipment and protective system is subject to the Specific Conditions of Use, mentioned in the annex of this certificate.*

11 Cette attestation d'examen UE de type se rapporte uniquement à la conception, aux examens et essais de l'appareil ou système de protection spécifié conformément à la directive 2014/34/UE. D'autres exigences de cette Directive s'appliquent à la fabrication et à la fourniture de cet appareil ou système de protection, celles-ci ne sont pas couvertes par cette attestation.

*This EU-Type Examination Certificate relates only to the design, examinations and tests of the specified equipment or protective system in accordance to the Directive 2014/34/EU. 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 Le marquage de l'appareil ou du système de protection doit contenir :

*The marking of the equipment or the protective system shall include the following:*



Verneuil-en-Halatte, 2018 10 01



Le Directeur Général de l'INERIS  
Par délégation  
*The Chief Executive Officer of INERIS*  
By delegation

Thierry HOUEIX  
Ex Certification Officer  
Délégué Certification

13 ANNEXE15 DESCRIPTION DE L'APPAREIL OU DU SYSTÈME DE PROTECTION :

L'appareil d'éclairage de type EVFG\*\*\* est constitué :

- d'un tube en verre scellé dans des embouts en alliage léger (pour toutes les versions),
- d'une boîte à bornes (uniquement pour les versions « Ex db eb »).

Le tube est prévu pour recevoir différents types de lampes (une ou deux lampes fluorescentes, LED) avec ou sans version secourue.

La boîte à bornes est prévue pour recevoir des bornes certifiées comme spécifié dans les documents descriptifs. La borne à bornes est séparée du tube par une traversées (3 ou 5 conducteurs).

L'appareil d'éclairage de type EVF\*\*\* est constitué d'un tube en verre scellé dans des embouts en alliage léger. Le tube est prévu pour recevoir différents types de lampes (une lampe fluorescente, LED)

Ces enveloppes présentent les degrés de protection IP 66 en accord avec la norme EN 60529.

PARAMETRES RELATIFS A LA SECURITÉ :

Tension maximale du ballast électronique : 277 V

Puissance de la lampe tubulaire fluorescente :

Type EVFG* - 1 8 ou EVFG*E - 1 8	: 1 x 8 W
Type EVFG* - 2 8 ou EVFG*E - 2 8	: 2 x 8 W
Type EVFG* - 1 18 ou EVFG*E - 1 18	: 1 x 18 W
Type EVFG* - 2 18 ou EVFG*E - 2 18	: 2 x 18 W
Type EVFG* - 1 36 ou EVFG*E - 1 36	: 1 x 36 W
Type EVFG* - 2 36 ou EVFG*E - 2 36	: 2 x 36 W
Type EVFG* - 1 58 ou EVFG*E - 1 18	: 1 x 58 W
Type EVFG* - 2 58 ou EVFG*E - 2 58	: 2 x 58 W
Type EVF 118 EL	: 1 x 18 W
Type EVF 136 EL	: 1 x 36 W

Puissance de la lampe tubulaire LED :

Type EVFG* - 1 9 LED ou EVFG*E - 1 9 LED	: 1 x 9 W
Type EVFG* - 2 9 LED ou EVFG*E - 2 9 LED	: 2 x 9 W
Type EVFG* - 1 20 LED ou EVFG*E - 1 20 LED	: 1 x 20 W
Type EVFG* - 2 20 LED ou EVFG*E - 2 20 LED	: 2 x 20 W
Type EVFG* - 1 27 LED ou EVFG*E - 1 27 LED	: 1 x 27 W
Type EVFG* - 2 27 LED ou EVFG*E - 2 27 LED	: 2 x 27 W
Type EVF 19 LED	: 1 x 9 W
Type EVF 120 LED	: 1 x 20 W

Puissance de la lampe LED avec PCB :

Type EVFG*L - 004 ou EVFG*LE - 004	: 5 W
Type EVFG*L - 008 ou EVFG*LE - 008	: 10 W
Type EVFG*L - 120 ou EVFG*LE - 120	: 32 W
Type EVFG*L - 040 ou EVFG*LE - 040	: 28 W
Type EVFG*L - 080 ou EVFG*LE - 080	: 55 W
Type EVFG*L - 066 ou EVFG*LE - 066	: 22 W
Type EVFG*L - 132 ou EVFG*LE - 132	: 44 W

La version secourue est prévue avec la lettre "E" dans le type.

13 ANNEX15 DESCRIPTION OF THE EQUIPMENT OR THE PROTECTIVE SYSTEM :

*This lighting fixture type EVFG\*\*\* is constituted by:*

- *a glass tube sealed on the light alloy parts (for all the versions),*
- *a terminal box (only for "Ex db eb" version).*

*The tube part is intended to receive different types of lamps (single or double fluorescent lamps, LED) with or without emergency version.*

*The terminal box is intended to receive certified terminals as specified in the descriptive documents. The terminal box is separated from the tube by a sealing bushing (3 or 5 conductors).*

*The lighting fixture type EVF\*\*\* is constituted by a glass tube sealed on the light alloy part. The tube part is intended to receive different types of lamps (single fluorescent lamps, LED).*

*These equipment gets the degrees of protection IP66 in accordance with EN 60529 standard.*

PARAMETERS RELATING TO THE SAFETY :

Maximum supply voltage for electronic ballast: 277 V

Power of the fluorescent tube lamp:

Type EVFG* - 1 8 or EVFG*E - 1 8	: 1 x 8 W
Type EVFG* - 2 8 or EVFG*E - 2 8	: 2 x 8 W
Type EVFG* - 1 18 or EVFG*E - 1 18	: 1 x 18 W
Type EVFG* - 2 18 or EVFG*E - 2 18	: 2 x 18 W
Type EVFG* - 1 36 or EVFG*E - 1 36	: 1 x 36 W
Type EVFG* - 2 36 or EVFG*E - 2 36	: 2 x 36 W
Type EVFG* - 1 58 or EVFG*E - 1 18	: 1 x 58 W
Type EVFG* - 2 58 or EVFG*E - 2 58	: 2 x 58 W
Type EVF 118 EL	: 1 x 18 W
Type EVF 136 EL	: 1 x 36 W

Power of the LED tube lamp:

Type EVFG* - 1 9 LED or EVFG*E - 1 9 LED	: 1 x 9 W
Type EVFG* - 2 9 LED or EVFG*E - 2 9 LED	: 2 x 9 W
Type EVFG* - 1 20 LED or EVFG*E - 1 20 LED	: 1 x 20 W
Type EVFG* - 2 20 LED or EVFG*E - 2 20 LED	: 2 x 20 W
Type EVFG* - 1 27 LED or EVFG*E - 1 27 LED	: 1 x 27 W
Type EVFG* - 2 27 LED or EVFG*E - 2 27 LED	: 2 x 27 W
Type EVF 19 LED	: 1 x 9 W
Type EVF 120 LED	: 1 x 20 W

Power of the PCB LED lamp:

Type EVFG*L - 004 or EVFG*LE - 004	: 5 W
Type EVFG*L - 008 or EVFG*LE - 008	: 10 W
Type EVFG*L - 120 or EVFG*LE - 120	: 32 W
Type EVFG*L - 040 or EVFG*LE - 040	: 28 W
Type EVFG*L - 080 or EVFG*LE - 080	: 55 W
Type EVFG*L - 066 or EVFG*LE - 066	: 22 W
Type EVFG*L - 132 or EVFG*LE - 132	: 44 W

*The emergency version is located with the additional letter "E" in the type.*

Caractéristiques électriques du fusible de protection :

Voir les instructions

Electrical characteristic of the fuse protection:

See instructions

Caractéristiques électriques des batteries :

Electrical characteristic of the batteries:

Type Type	Tension nominale des éléments Nominal voltage of cell	Capacité Capacity	Nombre d'éléments Number of cell
VT D or D400HT	1.2 V	4 300 mAh	6 éléments max. / Max. 6 cells
Accu-NiCd 5A	1.2 V	4 200 mAh	6 éléments max. / Max. 6 cells
VT F 70	1.2 V	7 700 mAh	6 éléments max. / Max. 6 cells

Ces enveloppes peuvent être utilisées dans la gamme de températures ambiantes de -20° c à 60° C.

These enclosures can be use in the range of ambient temperatures from -20° C to +60° C.

**MARQUAGE :**

Le marquage doit être lisible et indélébile ; il doit comporter les indications suivantes :

**MARKING :**


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


**Pour les versions avec des lampes fluorescentes ou LED tubulaires**

**For versions with fluorescents or LED tubes lamps**

FEAM  
I - 20090 Trezzano sul Naviglio (MI)  
EVFG\*\*\* ou EVF\*\*\* (\*)  
INERIS 12ATEX0023X  
(Numéro de série)  
(Année de construction)

FEAM  
I - 20090 Trezzano sul Naviglio (MI)  
EVFG\*\*\* or EVF\*\*\* (\*)  
INERIS 12ATEX0023X  
(Serial Number)  
(Year of Construction)

 II 2 G D  
Ex db IIC T6 Gb ou  
Ex db eb IIC T6 Gb (pour type EVFG\*\*\*)  
Ex tb IIIC T85° C Db IP66  
-20° C < Tamb < 60° C  
Entrées de câbles : (Type et dimension)

 II 2 G D  
Ex db IIC T6 Gb or  
Ex db eb IIC T6 Gb (for type EVFG\*\*\*)  
Ex tb IIIC T85° C Db IP66  
-20° C < Tamb < 60° C  
Cable gland: (Type and size)

AVERTISSEMENTS :  
NE PAS OUVRIR SOUS TENSION  
NE PAS OUVRIR SI UNE ATMOSPHEE EXPLOSIVE  
PEUT ETRE PRESENTE


WARNINGS:  
DO NOT OPEN WHEN ENERGIZED  
DOT NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY  
BE PRESENT


**Pour les versions avec des lampes LED avec PCB**

**For versions with LED lamps with PCB**

FEAM  
I - 20090 Trezzano sul Naviglio (MI)  
EVFG\*\*\* (\*)  
INERIS 12ATEX0023X  
(Numéro de série)  
(Année de construction)

FEAM  
I - 20090 Trezzano sul Naviglio (MI)  
EVFG\*\*\* (\*)  
INERIS 12ATEX0023X  
(Serial Number)  
(Year of Construction)

 II 2 G D  
Ex db op is IIC T6 Gb ou  
Ex db eb op is IIC T6 Gb  
Ex op is tb IIIC T85° C Db IP66  
-20° C < Tamb < 60° C  
Entrées de câbles : (Type et dimension)

 II 2 G D  
Ex db op is IIC T6 Gb or  
Ex db eb op is IIC T6 Gb  
Ex op is tb IIIC T85° C Db IP66  
-20° C < Tamb < 60° C  
Cable gland: (Type and size)

AVERTISSEMENTS :  
NE PAS OUVRIR SOUS TENSION  
NE PAS OUVRIR SI UNE ATMOSPHEE EXPLOSIVE  
PEUT ETRE PRESENTE

WARNINGS:  
DO NOT OPEN WHEN ENERGIZED  
DOT NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY  
BE PRESENT

(\*) Le type est complété par une lettre et des chiffres correspondant aux variantes d'exécution, les types sont définis dans les paramètres relatifs à la sécurité.

(\*) The type is completed by a letter and numbers in accordance with the manufacturing variations, types are indicated in the parameters relating to the safety.

L'ensemble du marquage peut être réalisé dans la langue du pays d'utilisation.

L'appareil ou le système de protection doit aussi porter le marquage normalement prévu par les normes de construction qui le concernent.

#### **EXAMENS ET ESSAIS INDIVIDUELS :**

##### Pour les appareils d'éclairage de type EVFG\*\*\* :

Conformément au § 16.1 de la norme EN 60079-1, chaque exemplaire de l'appareil de type EVFG\*\*\* doit avoir subi avec succès, avant livraison, une épreuve de surpression statique de 15 bar d'une durée comprise entre 10 et 60 secondes.

##### Pour les appareils d'éclairage de type EVFG\*\*\* avec une boîte à bornes protégée par sécurité augmentée :

Conformément au § 7.1 de la norme EN 60079-7, une épreuve de rigidité diélectrique, effectuée selon les normes appropriées, sur chacun des différents circuits du de l'appareil, la tension d'épreuve étant appliquée pendant une minute.

##### Pour les appareils d'éclairage de type EVF\*\*\* :

Conformément au § 16.1 de la norme EN 60079-1, chaque exemplaire de l'appareil de type EVF\*\*\* doit avoir subi avec succès, avant livraison, une épreuve de surpression statique de 17,4 bar d'une durée comprise entre 10 et 60 secondes.

#### **16 DOCUMENTS DESCRIPTIFS :**

Les documents descriptifs cités ci-après, constituent la documentation technique de l'appareil, objet de la présente attestation.

*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 :**

##### For lighting fixture type EVFG\*\*\*:

*In accordance with clause 16.1 of the EN 60079-1 standard each piece of equipment type EVFG\*\*\* has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under 15 bar.*

##### For lighting fixture type EVFG\*\*\* with the terminal box protected by increased safety:

*In accordance with clause 7.1 of the EN 60079-7 standard, a dielectric strength test on each of the different circuits of the connection units, performed according to the relevant standards, the testing voltage shall be applied during one minute.*

##### For lighting fixture type EVF\*\*\*:

*In accordance with clause 16.1 of the EN 60079-1 standard each piece of equipment type EVF\*\*\* has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under 17.4 bar.*

#### **16 DESCRIPTIVE DOCUMENTS :**

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

Titre / Title	Réf. / Ref.	Rév. / Rev.	Date / Date
Certification file (1 page / 30 Rubriques/Rubrics)	13-215	03	2017.10.12

#### **17 CONDITIONS SPÉCIALES D'UTILISATION :**

- La longueur des joints filetés est supérieure à la valeur spécifiée dans les tableaux de la norme EN 60079-1. Pour toute réparation, contacter le fabricant.
- Lors de l'installation l'utilisateur devra tenir compte du fait que le matériel n'a subi qu'un choc mécanique faible.

Les autres conditions d'utilisation sont définies dans la notice d'instructions.

#### **17 SPECIFIC CONDITIONS OF USE :**

- *The depth engagement of the threaded joints is superior to the value specified in the tables of EN 60079-1 standard. For any repair, contact the manufacturer.*
- *During the installation, the user will take into consideration that the equipment underwent only a shock corresponding to an energy of a low risk.*

*The other conditions of use are stipulated in the instructions.*



**18 EXIGENCES ESSENTIELLES DE SECURITE ET DE SANTE :**

Le respect des Exigences Essentielles de Sécurité et de Santé est assuré par :

- La conformité aux normes listées au paragraphe (9).
- L'ensemble des dispositions adoptées par le constructeur et décrites dans les documents descriptifs.

**19 REMARQUES :**

Les indices 00 à 02 font référence à l'attestation d'examen CE de type n° INERIS 12ATEX0023X et ses compléments émis précédemment conformément à la directive 94/9/CE.

Les modifications de l'indice 03 concernent :

- Introduction de nouvelles versions LED avec PCB
- Introduction du mode de protection « op is » avec l'application de la norme EN 60079-28 :2015
- Application des nouvelles versions des normes :  
EN 60079-1 : 2014  
EN 60079-7 : 2015
- Application de la nouvelle directive 2014/34/UE

**18 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS :**

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

- *Conformity to the standards quoted in clause (9).*
- *All provisions adopted by the manufacturer and defined in the descriptive documents.*

**19 REMARKS :**

*The issues 00 to 02 refer to the EC-type examination certificate N° INERIS 12ATEX0023X and its additions issued previously according to the Directive 94/9/EC.*

*The changes of the issue 03 are regarding:*

- *Introduction of new LED versions with PCB*
- *Application of protection mode "op is" with application of standard EN 60079-28:2015*
- *Application of new versions of standards  
EN 60079-1: 2014  
EN 60079-7: 2015*
- *Application of new directive 2014/34/EU*

Trezzano sul Naviglio (MI), 01 Maggio 2021

A tutte gli Istituti di Credito, i Clienti, i Fornitori, i Professionisti  
LORO SEDI

## OGGETTO: FUSIONE PER INCORPORAZIONE di Nuova ASP S.r.l. in FEAM S.r.l.

Egregi Signori,

la presente per comunicare che, con Atto di Fusione redatto a cura del Notaio Giuseppe Calafiori di Milano, in data 15.04.2021, Repertorio N. 86463 Raccolta N. 27172 iscritto al Registro delle Imprese in data 16/04/2021, si è perfezionata la fusione per incorporazione di Nuova ASP S.r.l. in F.E.A.M. S.r.l. **con data di efficacia dal 01.05.2021**

Contestualmente, la incorporante F.E.A.M. S.r.l. ha altresì assunto la nuova denominazione sociale: **BARTEC F.N. S.R.L.**

Per effetto di tale atto di fusione, **a decorrere dal 01.05.2021**, la scrivente **BARTEC F.N. S.R.L.** subentra in tutti i rapporti giuridici e in tutti diritti attivi e passivi, senza soluzione di continuità, nonché in tutto il patrimonio attivo e passivo, azioni, diritti, licenze, autorizzazioni, certificazioni di Nuova ASP S.r.l..

Vi invitiamo pertanto a voler prendere nota che dalla predetta data del 1° maggio 2021 tutta la documentazione riferita a Nuova ASP S.r.l. dovrà essere indirizzata ed intestata alla società derivante dalla fusione:

### BARTEC F.N S.R.L.

Capitale Sociale € 80.000 i.v.

Con sede legale in Trezzano sul Naviglio (Mi), Via Mario Pagano, 3

Codice Fiscale e Partita Iva 04095610962 - R.E.A. di Milano 1724940

In conseguenza di tale incorporazione ed ai sensi del vigente codice della Privacy (Decreto Legislativo n. 196/2003 e Regolamento europeo 679/2016), BARTEC F.N. S.R.L., subentra inoltre nella titolarità dei dati personali già oggetto di trattamento da parte della società incorporata, restando comunque invariate finalità e modalità del trattamento ai sensi delle informative già comunicate.

Si ricorda, infine, che, in conseguenza della intervenuta fusione, le fatture ed ogni altro documento di qualsiasi natura riportante data di rilascio/emissione successiva al 1° maggio 2021 dovranno essere intestati a **BARTEC F.N. S.R.L.**

BARTEC F.N. S.r.l.  
L'Amministratore Delegato  
Dr. Enrico Abbo

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**BARTEC F.N. Srl**

Trezzano sul Naviglio (MI), 01 May 2021

To all Credit Institutes, all Customers, all Suppliers, and all Professionals  
THEIR HEADQUARTERS

**SUBJECT: MERGER BY INCORPORATION of Nuova ASP S.r.l. in FEAM S.r.l.**

Dear Sirs,

you are hereby notified that by the merger deed prepared by the Notary Giuseppe Calafiori of Milan on 15.04.2021, Register No. 86463 Volume no. 27172 entered in the Business Registry on 16/04/2021 the merger by incorporation of Nuova ASP S.r.l. in F.E.A.M. S.r.l. has been completed. S.r.l. **Date on which the merger shall come into effect: 01.05.2021**

Simultaneously, the acquiring F.E.A.M. S.r.l. has also changed its company name: **BARTEC F.N. S.R.L.**

Due to this merger, **as of 01.05.2021**, the author company **BARTEC F.N. S.R.L.** shall take over all contractual relationships, implied and explicit legal relations, without interruption, as well as all liabilities and assets, shares, rights, licenses, authorisations and certifications of Nuova ASP S.r.l..

Therefore we invite you to take note that as of the aforementioned date, 1st May 2021, all documentation referring to Nuova ASP S.r.l. must be addressed and made out to the company:

**BARTEC F.N S.R.L.**

Share capital €80,000.00 fully paid up

with registered office in Trezzano sul Naviglio (Mi), Via Mario Pagano, 3

Tax Code and VAT No. 04095610962

Economic and Administrative Index - R.E.A. No. Milan 1724940

As a consequence of this incorporation and pursuant to the privacy Code in force (Italian Legislative Decree no. 196/2003 and European Regulation 679/2016), BARTEC F.N. S.R.L., takes on the role of data controller of personal data processed by the company being acquired, while the purposes and methods of processing remain unchanged, pursuant to previously disclosed information statements.

Lastly, you are hereby reminded that as a consequence of the merger, invoices and all other documents of any nature bearing an issue date/ issued after 1st May 2021 must be made out to **BARTEC F.N. S.R.L.**

BARTEC F.N. S.r.l.  
Managing Director  
Dr. Enrico Abbo

**BARTEC F.N. Srl**