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(2) Equipments and protection systems intended for use in potentially explosive atmospheres Directive 94/9/CE

(1) EC-TYPE EXAMINATION CERTIFICATE

(3) Number of the EC type examination certificate:

INERIS 01ATEX0018

(4) Protection apparatus or system:

FLOODLIGHT TYPE SFD** or SFDE**

(The type is completed by numbers and/or letters corresponding to manufacturing variation)

(5) Manufacturer:

FEAM

(6) Address:

Via M Pagano,3

20090 TREZZANO SUL NAVIGLIO (MI)

ITALY

- (7) This protection system or equipment 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/CE 23 th Mars 1994, certifies that this protection system or equipment fulfills the Essential of Health and Safety Requirements relating to the design and construction of equipments and protection systems intended for use in potentially explosive atmospheres, described in appendix II of the Directive.

The examinations and the tests are consigned in official report N°15025/01.

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

EN 50 014 of June 1997 EN 50 018 of August 1994 EN 50 019 of March 1994 EN 50281-1-1 of September 1998

- 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 protection 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 protection system will have to contain:

€ II 2 GD

EEx de IIB T3 IP65 T200°C or EEx de IIB T2 IP65 T229°C

EEx d IIB T3 IP65 T200°C or EEx d IIB T2 IP65 T229°C

Verneuil-en-Halatte, 2001 04 12

X. LEFEBVRE

Engineer at the Laboratory of Certification of Materials ATEX

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



(13)

ANNEX

(14) EC TYPE EXAMINATION CERTIFICATE N INERIS 01ATEX0018

(15) DESCRIPTION OF THE EQUIPMENT OR THE PROTECTION SYSTEM

Floodlight in light metal alloy made of a body closed by a cover fitted with a glass of thickness 15 mm.

It is constituted of a flameproof compartment containing the lamp and a connecting compartment to external electrical circuits protected by increased safety. These two compartments are connected by the way of bushing wires .

PARAMETERS RELATING TO THE SAFETY

Supply voltage : 230 V(AC)

Authorized Maximal powers and characteristics of the lamps :

| Daway | | Lamp Type | | | | |
|---------------|------------------------|--------------|---------|--|--|--|
| Power Watt | Sodium Vapour (H.P) | Metal Halide | Halogen | | | |
| 150 | yes | no | no | | | |
| 250 | yes | yes | no | | | |
| 400 | yes | yes | no | | | |
| 500 | no | no | yes | | | |

MARKING

Marking must be readable and indelible; it must comprise the following indications:

For only flameproof enclosure: **FEAM** Via M Pagano,3 20090 TREZZANO SUL NAVIGLIO (MI) ITALY SFD** (1) INERIS 01ATEX0018 (Serial number, if any) (year of construction) Œx II 2 GD EEx d IIB T(*) IP65 T(**) T.Amb : -20°C to 52°C DO NOT OPEN WHEN ENERGIZED AFTER DE-ENERGIZING , DELAY (***) MINUTES BEFORE OPENING USE SCREWS QUALITY 8.8 Type is completed by numbers and/or letters corresponding to manufacturing variation. See table above. (*) Obligatory mention for use in the presence of combustible dust, see table above. (***) See table above. For flameproof enclosure fiited with a compartment protected by increased **FEAM** Via M Pagano,3 20090 TREZZANO SUL NAVIGLIO (MI) **ITALY** - SFDE** (1) - INERIS 01ATEX0018 (Serial number, if any) (year of construction) €x 11 2 GD EEx de IIB T(*) IP65 T(**) T.Amb : -20°C to 52°C - DO NOT OPEN WHEN ENERGIZED - AFTER DE-ENERGIZING , DELAY (***) MINUTES BEFORE OPENING - USE SCREWS QUALITY 8.8 (1)Type is completed by numbers and/or letters corresponding to manufacturing variation.

- On the compartment « lamp », the symbol d
 - On the compartment « connecting », the symbol e Lamps characteristics
- (*) See table above.
- (**) Obligatory mention for use in the presence of combustible dust, see table above.
- (***) See table above.

| Type and lamp power | Ambient temperature range | concerned ex | Delay waiting in mn(***) | |
|---------------------|---------------------------------|-------------------|-----------------------------|------------|
| | | GAS(*) DUSTS (**) | | |
| 150W HPNA | -20°C/+40°C | Т3 | T200°C | 5 |
| | -20°C/+52°C | Т3 | T200°C | 6 |
| 250W HPNA | -20°C/+40°C | Т3 | T200°C | No |
| | -20°C/+52°C | T3 | T200°C | No |
| 400W HPNA | -20°C/+40°C | T3 | T200°C | 5 |
| | -20°C/+52°C | T2 | T207°C | 6 |
| 250W MH | -20°C/+40°C | Т3 | T200°C | , 5 |
| | -20°C/+52°C | T2 | T202°C | 6 |
| 400W MH | -20°C/+40°C | T2 - | T209°C | 1 |
| | -20°C/+52°C | T2 | T221°C | 1 |
| 500W IA | -20°C/+40°C | T2 | T217°C | 3 |
| | -20°C/+52°C | T2 | T229°C | 4 |

47.7

The whole of marking can be carried out in the language of the country of use.

The protection apparatus or system must also carry the marking normally envisaged by the standards of construction which relate to it.

ROUTINE EXAMINATIONS AND TESTS

Each example of the equipment hardware defined above must have successfully passed before delivery an overpressure test in accordance with section 16.1 of standard EN 50 018, of a period comprised between 10 and 60 secondes under 9.9 bar performed for flame-proof compartment

Each example of the equipment hardware defined above must have successfully passed before delivery a dielectric strength test carried out as specified in section 7.1 in accordance with section 6 of standard EN 50 019.

(16) DESCRIPTIVE DOCUMENTS

The technical report is composed of the documents quoted hereafter, constituting the descriptive file of the apparatus, object of this certificate.

- Tecnical Note N.NT-002/ATEX (11 pages) signed on 2001.04.17
- Plan n° AC002/ATEX FOLIO 1 REV3 dated and signed on 2001.04.17
- Plan n° AC002/ATEX FOLIO 2 REV4 dated and signed on 2001.04.17
- Plan n° AC002/ATEX FOLIO 3 REV3 dated and signed on 2001.04.17
- Plan n° AC002/ATEX FOLIO 4 REV2 dated and signed on 2001.04.17
- Plan n° AC002/ATEX FOLIO 5 dated and signed on 2001.04.17

(17) SPECIAL CONDITIONS FOR SAFE USE

None.

(18) ESSENTIAL REQUIREMENTS OF SAFETY AND HEALTH

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

- conformity to the European standards EN 50 014, EN 50 018, EN 50 019 and EN 50 281-1-1
- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.

INERIS 01ATEX0018 / 01

FLOODLIGHT TYPE SFD** or SFDE**

Manufactured by FEAM

(15) - PURPOSE OF THE ADDITION

Add of lamps types

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are mofified as follows:

Supply voltage : 230 V(AC)

Authorized Maximal powers and characteristics of the lamps :

| | lamps Type | | | | | |
|------------|------------------------|--------------|---------|-------------------|--|--|
| Power Watt | Sodium Vapour (H.P) | Metal Halide | Halogen | Mercure Vapour | | |
| 150 | Yes | No | No | No | | |
| 250 | Yes | Yes | No | Yes | | |
| 400 | Yes | Yes | No | Yes | | |
| 500 | No | No | Yes | No | | |

MARKING

The marking defined in the basic certificate is replaced by the following

For only flameproof enclosure:

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- FEAM
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Via M. Pagano, 3 20090 TREZZANO SUL NAVIGLIO(MI)

- SFD** (1)
- INERIS 01ATEX0018
- (Serial number, if any)
- (year of construction)

(ξx) 11 2 GD

- EEx d IIB T(*)
- IP65 T(**)
- T.Amb : -20°C to 52°C
- DO NOT OPEN WHEN ENERGIZED
- AFTER DE-ENERGIZING , DELAY (***) MINUTES BEFORE OPENING
- USE SCREWS QUALITY 8.8
- Type is completed by numbers and/or letters corresponding to (1)manufacturing variation.
- (*) See table above.
- (**) Obligatory mention for use in the presence of combustible dust, see table above.
- (***) See table above.

For flameproof enclosure fiited with a compartment protected by increased safety:

- FEAM

Via M. Pagano, 3 20090 TREZZANO SUL NAVIGLIO(MI) ITALY

- SFDE** (1)
- INERIS 01ATEX0018
- (Serial number, if any)
- (year of construction)

⟨€x⟩ II 2 GD

- EEx de IIB T(*)
- IP65 T(**)
- T.Amb : -20°C to 52°C
- DO NOT OPEN WHEN ENERGIZED
- AFTER DE-ENERGIZING , DELAY (***) MINUTES BEFORE OPENING
- USE SCREWS QUALITY 8.8

- (1) Type is completed by numbers and/or letters corresponding to manufacturing variation.
- (*) See table above.
- (**) Obligatory mention for use in the presence of combustible dust, see table above.
- (***) See table above.

| Type and lamp power | Ambient temperature | Concerned expl | osive atmosphere | Delay waiting |
|------------------------|---------------------|----------------|------------------|---------------|
| | range | Gas (*) | Dusts (**) | in mn (***) |
| | -20°C/+40°C | Т3 | T 200°C | 5 |
| 150 W HPNA | -20°C/+52°C | Т3 | T 200°C | 6 |
| | -20°C/+40°C | Т3 | T 200°C | NO |
| 250 W HPNA | -20°C/+52°C | Т3 | T 200°C | NO |
| | -20°C/+40°C | Т3 | T 200°C | 5 |
| 400 W HPNA | -20°C/+52°C | Т2 | T 207°C | 6 |
| 050 | -20°C/+40°C | Т3 | T 200°C | 5 |
| 250 W MH | -20°C/+52°C | Т2 | T 202°C | 6 |
| 400 | -20°C/+40°C | Т2 | T 209°C | 1 |
| 400 W MH | -20°C/+52°C | Т2 | T 221°C | 1 |
| 500 | -20°C/+40°C | Т2 | T 217°C | 3 |
| 500 W IA | -20°C/+52°C | Т2 | T 229°C | 4 |
| 0507.72 | -20°C/+40°C | Т3 | T 200°C | 5 |
| 250W HG | -20°C/+52°C | Т3 | T 200°C | 6 |
| 400 H H2 | -20°C/+40°C | Т3 | T 200°C | 5 |
| 400 W HG | -20°C/+52°C | Т3 | T 200°C | 6 |

ROUTINE EXAMINATIONS AND TESTS

The routine verifications and tests stipulated by the basic certificate are unchanged.

(16) - DESCRIPTIVE DOCUMENTS

The documents referred to below, constitute the file describing the modifications of the apparatus and forming the subject of the present addition.

- Technical Notice N.NT-002/ATEX (7 pages) revision 2 of 2001.07.15 dated and signed of 2001.07.17

(17) - SPECIFIC PARAMETERS OF THE TYPES OF PROTECTION CONCERNED

The special conditions for safe use defined in the basic certificate are unchanged.

Verneuil-en-Halatte, 2001 08 21

X. LEFEBVRE

Engineer at the Laboratory of Certification of

Materials ATEX

Director of the Certifying Body, By delegation

B. PIQUETTE

Deputy manager of Certification

(3)

INERIS 01ATEX0018/02

(4)

FLOODLIGHT Type SDF** or SDFE**

(5)

Made by FEAM

(15) PURPOSE OF THE ADDITION

Modification of the protection degrees.

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety mentionned in the basic certificate are unchanged.

MARKING

The marking of the protection degrees IP65, defined in the basic certificate is replaced by: IP66

ROUTINE EXAMINATIONS AND TESTS

The routine examinations and tests stipulated by the basic certificate are unchanged.

(16) <u>DESCRIPTIVE DOCUMENTS</u>

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

Modification n° 3 of the descriptive note NT-002/ATEX (1 page)

signed on 2006.11.09

(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions defined in the basic certificate are unchanged.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements defined in the basic certificate is unchanged.

Verneuil-en-Halatte, 2006 11 15

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NOTIFIED BODY HERE

SIVE ATMOSPHERE

TO SIVE ATMOSPHERE

C. PETITFRERE

Project Manager at the ATEX Equipment Certification Laboratory

Director of the Certifying Body, By delegation B. PIQUETTE

Deputy Manager of Certification

(3) INERIS 01ATEX0018X/03

(4) FLOODLIGHT TYPE SFD** or SFDE**

(5) Made by FEAM

(15) PURPOSE OF THE ADDITION

- Application of the following standard:

EN 60079-0 : 2012 / A11: 2013

EN 60079-7 : 2007

EN 60079-1 : 2007

EN 60079-31 : 2014

- Update of the certificate according to additional tests performed on the floodlight and new parameters of the manufacturer.
- Introduction of special conditions of use: "X" added to the EC-type examination certificate number.

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are modified as follows:

Maximum supply voltage: 277 V (or lower in accordance the manufacturer's instructions)

The type and maximum power of lamps allowed are specified in the table of the marking paragraph.

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

MARKING

The marking is modified as follow:

FEAM

I - 20090 Trezzano sul Naviglio (MI)

SFD** or SFDE** (1)

INERIS 01ATEX0018X

(Serial number)

(Year of construction)

€x⟩_{II 2 GD}

Ex d IIB+H2 T(2) Gb or Ex d e IIB+H2 T(2) Gb

Ex tb IIIC T(2) Db IP66

 $-20^{\circ}C < Tamb < (2)$

CABLE GLAND: (Type and size)

T. cable: (2)

WARNINGS:

DO NOT OPEN WHEN ENERGIZED

AFTER DE-ENERGIZING, DELAY 20 MINUTES BEFORE OPENING

USE SCREWS WITH MINIMUM QUALITY: A2-70

(1) The type is completed by a letter and numbers in accordance with the manufacturing variations.

On the lamp compartment : the symbol "d" On the terminal compartment : the symbol "e"

(2) Temperature class, maximum ambient temperature and temperature of the cable are specified in the table above.

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.

| Type and power | Maximum Ambient | Temper | Cable | |
|----------------|-------------------------|------------|--------|-------------|
| of the lamps | temperature | Gas | Dust | temperature |
| 150W HPNA | +40°C or +50°C or +60°C | Т3 | T200°C | NA |
| | +40°C or +50°C | Т3 | T200°C | NA |
| 250W HPNA | +60°C | T2 | T210°C | 90°C |
| | +40°C | T3 | T200°C | NA |
| 400W HPNA | +50°C | T2 | T210°C | 80°C |
| | +60°C | T2 | T220°C | 90°C |
| 150W MH | +40°C or +50°C or +60°C | Т3 | T200°C | NA |
| 05000 | +40°C or +50°C | Т3 | T200°C | NA |
| 250W MH | +60°C | Т3 | T200°C | 90°C |
| | +40°C | Т3 | T200°C | NA |
| 400W MH | +50°C | T2 | T210°C | 80°C |
| | +60°C | T2 | T220°C | 90°C |
| 47514116 | +40°C or +50°C | Т3 | T200°C | NA |
| 175W HG | +60°C | T3 | T200°C | 90°C |
| 0504416 | +40°C or +50°C | T3 | T200°C | NA |
| 250W HG | +60°C | Т3 | T200°C | 90°C |
| | +40°C | Т3 | T200°C | NA |
| 400W HG | +50°C | T2 | T210°C | 80°C |
| | +60°C | T2 | T220°C | 90°C |
| OFOULD! | +40°C or +50°C | Т3 | T200°C | NA |
| 250W BL | +60°C | Т3 | T200°C | 90°C |
| | +40°C | T2 | T217°C | NA |
| 500W BL | +50°C | T2 | T230°C | 100°C |
| ľ | +60°C | T2 | T240°C | 110°C |
| | +40°C | Т3 | T200°C | NA |
| 300W IA | +50°C | T2 | T210°C | 80°C |
| | +60°C | T 2 | T220°C | 90°C |
| | +40°C | T2 | T217°C | NA |
| 500W IA | +50°C | T2 | T230°C | 100°C |
| | +60°C | T2 | T240°C | 110°C |

| Type and power | Maximum Ambient temperature | Tempera | iture class | Cable |
|----------------|--------------------------------|---------|-------------|-------------|
| of the lamps | | Gas | Dust | temperature |
| 250W HPNA | +40°C or +50°C or +60°C | Т3 | T200°C | 100°C |
| 400W MH | | Т3 | T200°C | 100°C |
| 400W HG | | Т3 | T200°C | 100°C |
| 400W HPNA | (without internal ballast) | Т3 | T200°C | 100°C |
| 600W MH | | Т3 | T200°C | 100°C |
| 600W HPNA | | Т3 | T200°C | 100°C |
| LED MAX 250W | +40°C or +50°C or +60°C | T4 | T135°C | NA |

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 has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under 10.4 bar.

For floodlight with a 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.

(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°14_207 (11 rubrics) rev.0

dated and signed on 2014.12.14

(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.
- The widths of the flameproof joints are superior than those specified in tables of EN 60079-1 standard.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

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

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

Verneuil-en-Halatte, 2015.03.18



The Chief Executive Officer of INERIS

By delegation

T. HOUEIX

Ex Certification Officer

(3) INERIS 01ATEX0018X/04

(4) FLOODLIGHT TYPE SFD** or SFDE**

(5) Made by FEAM

(15) PURPOSE OF THE ADDITION

Introduction of new types, SFD**-LED/SFDE**-LED intended to receive only LEDs lighting source:

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are modified as follows:

Maximum supply voltage: 277 V (or lower in accordance the manufacturer's instructions)

The type and maximum power of lamps allowed are specified in the table of the marking paragraph.

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

MARKING

The marking is modified as follows:

FEAM

I - 20090 Trezzano sul Naviglio (MI)

SFD** or SFDE** or SFD**-LED or SFDE**-LED(1)

INERIS 01ATEX0018X

(Serial number)

(Year of construction)

⟨Ex⟩_{II 2 GD}

Ex d IIB+H2 T(2) Gb or Ex d e IIB+H2 T(2) Gb

Ex tb IIIC T(2) Db IP66

-20°C < Tamb < (2)

CABLE GLAND: (Type and size)

T. cable: (2)

WARNINGS:

DO NOT OPEN WHEN ENERGIZED

AFTER DE-ENERGIZING, DELAY 20 MINUTES BEFORE OPENING

USE SCREWS WITH MINIMUM QUALITY: A2-70

(1) The type is completed by a letter and numbers in accordance with the manufacturing variations.

On the lamp compartment

: the symbol "d"

On the terminal compartment

: the symbol "e"

(2) Temperature class, maximum ambient temperature and temperature of the cable are specified in the table above.

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.

Table of the temperature classes for the floodlight type SFD**/SFDE**:

| Type and power | Maximum Ambient | Temper | ature class | |
|----------------|-------------------------|--------|-------------|-------------|
| of the lamps | temperature | Gas | Dust | temperature |
| 150W HPNA | +40°C or +50°C or +60°C | T3 | T200°C | NA |
| 3500//1100//4 | +40°C or +50°C | T3 | T200°C | NA |
| 250W HPNA | +60°C | T2 | T210°C | 90°C |
| | +40°C | T3 | T200°C | NA |
| 400W HPNA | +50°C | T2 | T210°C | 80°C |
| | +60°C | T2 | T220°C | 90°C |
| 150W MH | +40°C or +50°C or +60°C | T3 | T200°C | NA |
| 250774111 | +40°C or +50°C | Т3 | T200°C | NA |
| 250W MH | +60°C | T3 | T200°C | 90°C |
| | +40°C | T3 | T200°C | NA |
| 400W MH | +50°C | T2 | T210°C | 80°C |
| | +60°C | T2 | T220°C | 90°C |
| 47514146 | +40°C or +50°C | Т3 | T200°C | NA |
| 175W HG | +60°C | T3 | T200°C | 90°C |
| 2504416 | +40°C or +50°C | Т3 | T200°C | NA |
| 250W HG | +60°C | Т3 | T200°C | 90°C |
| | +40°C | T3 | T200°C | NA |
| 400W HG | +50°C | T2 | T210°C | 80°C |
| | +60°C | T2 | T220°C | 90°C |
| 250W DI | +40°C or +50°C | T3 | T200°C | NA |
| 250W BL | +60°C | T3 | T200°C | 90°C |
| | +40°C | T2 | T217°C | NA |
| 500W BL | +50°C | T2 | T230°C | 100°C |
| | +60°C | T2 | T240°C | 110°C |
| | ÷40°C | T3 | T200°C | NA |
| 300W.1A | 50°C | 72 | 7210°C | 8010 |
| | +60°C | T2 | T220°C | 90°C |
| | 140°C | T2. | T217/C | NA |
| 500W IA | +50°C | TZ | T230°C | 100°C |
| | +60°C | T2 | T240°C | 110°C |

| Type and power | Maximum Ambient | Temperature class | | Cable |
|----------------|----------------------------|-------------------|--------|-------------|
| of the lamps | temperature | Gas | Dust | temperature |
| 250W HPNA | +40°C or +50°C or +60°C | Т3 | T200°C | 100°C |
| 400W MH | | T3 | T200°C | 100°C |
| 400W HG | | Т3 | T200°C | 100°C |
| 400W HPNA | (without internal ballast) | Т3 | T200°C | 100°C |
| 600W MH | | Т3 | T200°C | 100°C |
| 600W HPNA | | Т3 | T200°C | 100°C |
| LED MAX 250W | +40°C or +50°C or +60°C | T4 | T135°C | NA |

Table of the temperature classes for the floodlight type SFD**-LED/SFDE**-LED:

| Type of the | Maximum Ambient temperature | Temperature class | | Cable |
|--------------|--------------------------------|-------------------|--------|-------------|
| lamps power | | Gas | Dust | temperature |
| | +40°C | T6 | T85°C | NA |
| 20LED (160W) | +50°C | T5 | T100°C | NA |
| | +60°C | T4 | T135°C | NA |
| 28LED (240W) | +40°C | T6 | T85°C | NA |
| | +50°C | T5 | T100°C | NA |
| | +60°C | T4 | T135°C | NA |

ROUTINE EXAMINATIONS AND TESTS

The routine examinations and tests are modified as follows:

For floodlight type SFD**/SFDE***:

In accordance with clause 16.1 of the EN 60079-1 standard, each apparatus has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under 10.4 bar.

For floodlight type SFD**-LED/SFDE***-LED:

In accordance with clause 16.1 of the IEC 60079-1 standard, each apparatus has to have successfully passed, before delivery, an overpressure text of a period comprised between 10 and 60 seconds under 11.9 bar.

For floodlight with a 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.

(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° 14_207 (20 rubrics) rev.1

dated and signed on 2015.03.27

(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions are completed as follows:

- The depth engagement of the threaded joints is superior to the value specified in the tables of EN 60079-1.
- The widths of the flameproof joints are superior than those specified in tables of EN 60079-1 standard.

For floodlight type SFD**-LED/SFDE***-LED:

- During the installation, the user will take into consideration that the equipment underwent only a shock corresponding to an energy of a low risk

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

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

- Conformity to the following standards:
 - EN 60079-0:2012/A11:2013
 - EN 60079-1:2007
 - EN 60079-7:2007
 - EN 60079-31:2014
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2015.07.30

ANISME NOTHED BOOK

Olivier COTTIN

The Chief Executive Officer of INERIS

By delegation