

(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 01ATEX0020**

(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: **NUOVA ASP S.r.l.**

(6) Address: **Via De Gasperi, 26  
20090 PANTIGLIATE (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<sup>th</sup> 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°16075/01.

(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**

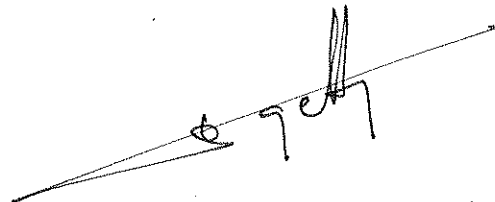
**EEx d IIB T3 IP65 T200°C or EEx d IIB T2 IP65 T229°C**

Verneuil-en-Halatte, 2001 05 12

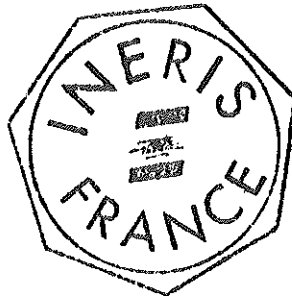


X. LEFEBVRE

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 01ATEX0020

(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 :


Power Watt	Lamp Type		
	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:

NUOVA ASP S.r.l.  
Via De Gasperi, 26  
20090 PANTIGLIATE (MI)  
ITALY

- SFD\*\* (1)
- INERIS 01ATEX0020
- (Serial number, if any)
- (year of construction)
-  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

(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.

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

NUOVA ASP S.r.l.  
Via De Gasperi, 26  
20090 PANTIGLIATE (MI)  
ITALY

- SFDE\*\* (1)
- INERIS 01ATEX0020
- (Serial number, if any)
- (year of construction)
-  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.

On the compartment « lamp », the symbol d

On the compartment « connecting », the symbol e  
Lamps characteristics

(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 range	concerned explosive atmosphere		Delay waiting in mn (***)
		GAS(*)	DUSTS (**)	
150W HPNA	-20°C/+40°C	T3	T200°C	5
	-20°C/+52°C	T3	T200°C	6
250W HPNA	-20°C/+40°C	T3	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	T3	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

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.

- Technical Note N.NT-207/ATEX (11 pages) signed on 2001.04.17
- Plan n° PNC-207/ATEX FOLIO 1 dated and signed on 2001.04.17
- Plan n° PNC-207/ATEX FOLIO 2 dated and signed on 2001.04.17
- Plan n° PNC-207/ATEX FOLIO 3 dated and signed on 2001.04.17
- Plan n° PNC-207/ATEX FOLIO 4 dated and signed on 2001.04.17
- Plan n° PNC-207/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.

## ADDITION

INERIS 01ATEX0020 / 01

FLOODLIGHT TYPE SFD\*\* or SFDE\*\*

Manufactured by NUOVA ASR S.r.l.

(15) - PURPOSE OF THE ADDITION

Add of lamps types

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are modified as follows:

Supply voltage : 230 V(AC)


Authorized Maximal powers and characteristics of the lamps :

Power Watt	lamps Type			
	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 one:

**For only flameproof enclosure:**

- NUOVA ASP S.r.l  
Via De Gasperi, 26  
20090 PANTIGLIATE (MI)  
ITALY
- SFD\*\* (1)
- INERIS 01ATEX0020
- (Serial number, if any)
- (year of construction)
-  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


(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.

**For flameproof enclosure fitted with a compartment protected by increased safety:**

- NUOVA ASP S.r.l  
Via De Gasperi, 26  
20090 PANTIGLIATE (MI)  
ITALY
- SFDE\*\* (1)
- INERIS 01ATEX0020
- (Serial number, if any)
- (year of construction)
-  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 range	Concerned explosive atmosphere		Delay waiting in mn (***)
		Gas (*)	Dusts (**)	
150 W HPNA	-20°C/+40°C	T3	T 200°C	5
	-20°C/+52°C	T3	T 200°C	6
250 W HPNA	-20°C/+40°C	T3	T 200°C	NO
	-20°C/+52°C	T3	T 200°C	NO
400 W HPNA	-20°C/+40°C	T3	T 200°C	5
	-20°C/+52°C	T2	T 207°C	6
250 W MH	-20°C/+40°C	T3	T 200°C	5
	-20°C/+52°C	T2	T 202°C	6
400 W MH	-20°C/+40°C	T2	T 209°C	1
	-20°C/+52°C	T2	T 221°C	1
500 W IA	-20°C/+40°C	T2	T 217°C	3
	-20°C/+52°C	T2	T 229°C	4
250W HG	-20°C/+40°C	T3	T 200°C	5
	-20°C/+52°C	T3	T 200°C	6
400 W HG	-20°C/+40°C	T3	T 200°C	5
	-20°C/+52°C	T3	T 200°C	6

**ROUTINE EXAMINATIONS AND TESTS**

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

**(16) - DESCRIPTIVE DOCUMENTS**

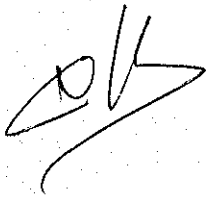
The documents referred to below, constitute the file describing the modifications of the apparatus and forming the subject of the present addition.

- Technical Notice N.NT-0207/ATEX (7 pages) revision of 2001.07.15 dated and signed of 2001.07.17

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

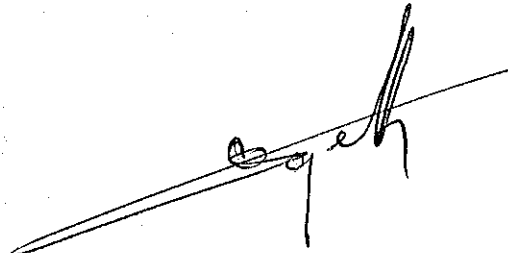
The special conditions for safe use defined in the basic certificate are unchanged.

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



## ADDITION

(3) INERIS 01ATEX0020/02

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

(5) Made by NUOVA ASP

(15) PURPOSE OF THE ADDITION

- Application of standards:

EN 60079-0 : 2006    EN 60079-1 : 2004    EN 60079-7 : 2007

EN 61241-0 : 2006    EN 61241-1 : 2004

- Increase of the ingress of protection from IP65 to IP66 in accordance with the standard EN 60529.

- Increase of the ambient temperature from 52°C to 55°C.

- The terminal block for the "Ex e" version is covered by the EC type examination certificate KEMA 97ATEX1798U.

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are unchanged.

MARKING

The marking is modified as follows:

A - Floodlight in version Ex d:

NUOVA ASP


I - 20090 Pantigliate

SFD\*\*

INERIS 01ATEX0020

(Serial number)

(Year of construction)

 II 2 GD

Ex d IIB T(1)

Ex tD A21 IP66 T(1)

T.amb (1)

**WARNINGS :**    DO NOT OPEN WHEN ENERGIZED  
                  AFTER DE-ENERGIZED WAIT (1) MINUTES BEFORE OPENING  
                  USE SCREWS WITH MINIMUM QUALITY : 8.8

(\*\*) The asterisk is replaced by numbers and letters according to the manufacturing variations.

(1) See table below.

**B - Floodlight in version Ex d e :**

NUOVA ASP

I - 20090 Pantigliate

SFDE\*\*

INERIS 01ATEX0020

(Serial number)

(Year of construction)

Ⓔ II 2 GD

Ex d e IIB T(1)

Ex tD A21 IP66 T(1)

T.amb (1)

**WARNINGS :** DO NOT OPEN WHEN ENERGIZED  
AFTER DE-ENERGIZED WAIT (1) MINUTES BEFORE OPENING  
USE SCREWS WITH MINIMUM QUALITY: 8.8

On the compartment lamp : the symbol “d”

On the compartment connexion : the symbol “e”  
(Rated voltage and rated current and/or rated power)

(\*\*) The asterix is replaced by numbers and letters according to the manufacturing variations.

(1) See table below.

Type and lamps power	Range of ambient temperature	Explosive atmosphere concerned		Waiting before opening (in min)
		Gas	Dust	
150 W HPNA	-20°C/+40°C	T3	T200°C	5
	-20°C/+55°C	T3	T200°C	6
250 W HPNA	-20°C/+40°C	T3	T200°C	No
	-20°C/+55°C	T3	T200°C	No
400 W HPNA	-20°C/+40°C	T3	T200°C	5
	-20°C/+55°C	T2	T235°C	6
250 W MH	-20°C/+40°C	T3	T200°C	5
	-20°C/+55°C	T2	T235°C	6
400 W MH	-20°C/+40°C	T2	T235°C	1
	-20°C/+55°C	T2	T235°C	1
500 W IA	-20°C/+40°C	T2	T235°C	3
	-20°C/+55°C	T2	T235°C	4
250 W HG	-20°C/+40°C	T3	T200°C	5
	-20°C/+55°C	T3	T200°C	6
400 W HG	-20°C/+40°C	T3	T200°C	5
	-20°C/+55°C	T3	T200°C	6

Marking may be carried out in the language of the country of used

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 9.9 bar.

In accordance with clause 7.1 of the EN 60079-7 standard, each apparatus defined above has to have successfully passed before delivery a test of dielectric strength on each of the different circuits of the connection units, performed according to the relevant standards, the test voltage being 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° 207 rev.2 of 2010.06 08 (3 rubrics)

signed on 2010.06.08

(17) SPECIAL CONDITIONS FOR SAFE USE

None.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

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

- Conformity to the standards quoted on page 1, clause (15).
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2010 06 30



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

Director of the Certifying Body,  
By delegation  
T. HOUËIX  
Certification Officer  
Certification Division