

(2) **Equipment and protection 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 01ATEX0056 X**

(4) Protection apparatus or system:

LIGHTING FIXTURE TYPE EVAC...and SUPPLY BOX TYPE PRC

(5) Manufacturer: **NUOVA ASP**

(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 23th March 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.

(9) The examinations and the tests are consigned in official report N°28831/01.
The respect of the Essential Health and Safety Requirements is ensured by:


- conformity with:

EN 50 014 of June 1997 + A1 and A2
EN 50 018 of August 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.

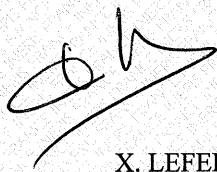
(10) Sign X, when it is placed following the Number of the EC type examination certificate, indicates that this equipment and protection system is subjected to the special conditions for safe use, mentioned in the annex of this certificate.

- (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 G D

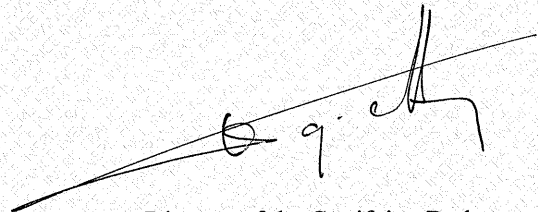
EEx d IIC T6 to T2 IP66 T80°C to T290°C

Verneuil-en-Halatte, 2001 12 12

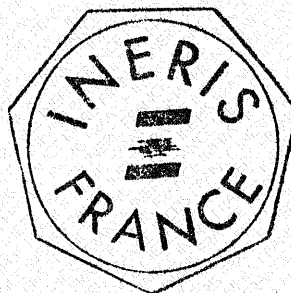


X. LEFEBVRE

Engineer at the Laboratory of Certification of
Materials ATEX



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



(13)

A N N E X

(14)

EC TYPE EXAMINATION CERTIFICATE N° INERIS 01ATEX0056 X

(15)

DESCRIPTION OF THE EQUIPMENT OR THE PROTECTION SYSTEM

The lighting fixture contains a lamp compartment eventually connected to a supply compartment type PRC; these two flameproof compartments made in aluminium alloy are connected by the way of bushing wires .

PARAMETERS RELATING TO THE SAFETY

Maximum Supply voltage : 230 V

Authorized maximum powers and characteristics of the lamps :

EVAC 100 ou 101

	LAMP TYPE					
	Incandescent	Halogen	Metal halide	Mercury Vapour	Sodium Vapour (H.P.)	Fluorescent
Power	100 W or 25 W(AC) / 21W(DC)	100 W	100 W	80 W	70 W	15 W

EVAC 200 or 201

	LAMP TYPE					
	Incandescent	Halogen	Xenon flash	Mercury Vapour	Blended light	Fluorescent
Power	200 W	150 W	25W	125 W	160 W	23 W

EVAC 300 or 301

	LAMP TYPE					
	Incandescent	Halogen	Metal halide	Mercury Vapour	Sodium Vapour (H.P.)	Blended light
Power	300 W/25 W*	250W	250W	250W	250W	250W

- with rotating reflector on motor


EVAC 500 or 501

	LAMP TYPE					
	Incandescent	Halogen	Metal halide	Mercury Vapour	Sodium Vapour (H.P.)	Blended light
Power	500 W	Non	400 W	400 W	400 W	500W

MARKING

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

On the lighting fixture type EVAC:

- **NUOVA ASP**
Via De Gasperi, 26
20090 PANTIGLIATE (MI)
ITALY
- EVAC... (1)
- INERIS 01ATEX0056 X
- (Serial number)
- (year of construction)
-  **II 2 G D**
- EEx d IIC T(**)
- IP66 T(**)
- T.Amb : (*)
- T.cable : (*)
- DO NOT OPEN WHEN ENERGIZED
- AFTER DE-ENERGIZING , DELAY (***) MINUTES BEFORE OPENING

(1) type is completed by numbers corresponding to manufacturing variation

(*) **See table above.**

(**) Obligatory mention for use in the presence of combustible dust, **see table above.**

(***) **See table above.**

On the supply box type PRC when is connected

- **NUOVA ASP S.r.l.**
Via De Gasperi, 26
20090 PANTIGLIATE (MI)
ITALY
- PRC
- INERIS 01ATEX0056 X
- (Serial number)
- (year of construction)
- **Ex II 2 G D**
- EEx d IIC T (*)
- IP66 T (**)
- T.Amb : (*)
- T.cable : (*)
- DO NOT OPEN WHEN ENERGIZED
- AFTER DE-ENERGIZING , DELAY (***) MINUTES BEFORE OPENING

(*) See table above.

(**) Obligatory mention for use in the presence of combustible dust, see table above.

(***) See table above.

For type EVAC 100 or 101

Type and power lamp	Ambient temperature range (*)	concerned explosive atmosphere		Delay waiting in mn(***) Compartment		Cable temperature (*)
		GAS(*)	DUSTS (**)	Lamp	Supply	
100W INCANDESCENT	-20°C/+40°C	T4	T 130°C	7	N.A.	N.C.
	-20°C/+52°C	T4			N.A.	81°C
100W HALOGEN	-20°C/+40°C	T4	T 130°C	5	N.A.	N.C.
	-20°C/+52°C	T4			N.A.	N.C.
100W METAL HALIDE	-20°C/+40°C	T4	T 130°C	13	4	N.C.
	-20°C/+52°C	T4			8	N.C.
80W MERCURY VAPOUR	-20°C/+40°C	T4	T 130°C	9	1	N.C.
	-20°C/+52°C	T4			3	N.C.
70W SODIUM VAPOUR	-20°C/+40°C	T4	T 130°C	2	NONE	N.C.
	-20°C/+52°C	T4			5	N.C.
15W FLUORESCENT	-20°C/+40°C	T6	T 80°C	4	N.A.	N.C.
	-20°C/+52°C	T6			N.A.	N.C.
25W AC INCANDESCENT 21W DC	-20°C/+40°C	T5	T 95°C	12	N.A.	N.C.
	-20°C/+52°C	T4	T 130°C	11	N.A.	N.C.

- N.A. Non Associated
- N.C. Non Concerned

For type EVAC 200 or 201

Type and power lamp	Ambient temperature range (*)	concerned explosive atmosphere		Delay waiting in mn(***) Compartment		Cable temperature (*)
		GAS(*)	DUSTS (**)	Lamp	Supply	
200W INCANDESCENT	-20°C/+40°C	T4	T 130°C	9	N.A.	83°C
	-20°C/+52°C	T3	T 195°C	NONE	N.A.	95°C
160W BLENDED LIGHT	-20°C/+40°C	T3	T 195°C	2	N.A.	87°C
	-20°C/+52°C	T3			N.A.	99°C
150W HALOGEN	-20°C/+40°C	T4	T 130°C	13	N.A.	N.C.
	-20°C/+52°C	T4			N.A.	82°C
125W MERCURY VAPOUR	-20°C/+40°C	T3	T 195°C	2	NONE	N.C.
	-20°C/+52°C	T3			NONE	N.C.
25W XENON FLASH	-20°C/+40°C	T6	T 80°C	NONE	N.A.	N.C.
	-20°C/+52°C	T6			N.A.	N.C.
23W FLUORESCENT	-20°C/+40°C	T6	T 80°C	4	N.A.	N.C.
	-20°C/+52°C	T6			N.A.	N.C.

- **N.A. Not Associated**
- **N.C. Non Concerned**

For type EVAC 300 or 301

Type and power lamp	Ambient temperature range (*)	Concerned explosive atmosphere		Delay waiting in mn(***) Compartment		Cable temperature (*)
		GAS(*)	DUSTS (**)	Lamp	Supply	
300W INCANDESCENT	-20°C/+40°C	T4	T 130°C	12	N.A.	82°C
	-20°C/+52°C	T3	T 195°C	NONE	N.A.	94°C
250W HALOGEN	-20°C/+40°C	T4	T 130°C	14	N.A.	81°C
	-20°C/+52°C	T3	T 195°C	7	N.A.	93°C
250W MERCURY VAPOUR	-20°C/+40°C	T3	T 195°C	4	NONE	N.C.
	-20°C/+52°C	T3			NONE	N.C.
250W SODIUM VAPOUR	-20°C/+40°C	T3	T 195°C	3	NONE	N.C.
	-20°C/+52°C	T2	T 290°C	NONE	NONE	N.C.
250W METAL HALIDE	-20°C/+40°C	T3	T 195°C	3	5	N.C.
	-20°C/+52°C	T3			NONE	N.C.
250W BLENDED LIGHT	-20°C/+40°C	T3	T 195°C	3	N.A.	89°C
	-20°C/+52°C	T3			N.A.	101°C
150W METAL HALIDE	-20°C/+40°C	T4	T 130°C	9	7	N.C.
	-20°C/+52°C	T3	T 195°C	4	NONE	N.C.
150W SODIUM VAPOUR	-20°C/+40°C	T4	T 130°C	8	4	N.C.
	-20°C/+52°C	T4			10	N.C.
25W ROTALLARM	-20°C/+40°C	T6	T 80°C	24	N.A.	N.C.
	-20°C/+52°C	T6			N.A.	N.C.

- N.A. Not Associated
- N.C. Non Concerned

For type EVAC 500 or 501

Type and power lamp	Ambient temperature range (*)	Concerned explosive atmosphere		Delay waiting in mn(***) Compartment		Cable temperature (*)
		GAS(*)	DUSTS (**)	Lamp	Supply	
500W INCANDESCENT	-20°C/+40°C	T3	T 195°C	8	N.A.	108°C
	-20°C/+52°C	T3			N.A.	120°C
500W BLENDED LIGHT	-20°C/+40°C	T2	T 290°C	2	N.A.	123°C
	-20°C/+52°C	T2			N.A.	135°C
400W MERCURY VAPOUR	-20°C/+40°C	T3	T 195°C	9	1	N.C.
	-20°C/+52°C	T3			3	81°C
400W SODIUM VAPOUR	-20°C/+40°C	T3	T 195°C	5	NONE	N.C.
	-20°C/+52°C	T3			NONE	N.C.
400W METAL HALIDE	-20°C/+40°C	T3	T 195°C	4	NONE	N.C.
	-20°C/+52°C	T3			NONE	N.C.

- N.A. Not Associated
- N.C. Non Concerned

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

- 13,1 bar performed for lamp compartment
- 12.6 bar performed for supply compartment type PRC.

(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-202/ATEX rev.0 (6 pages) signed on 2001.11.27
- Plan n° PNC 202/ATEX FOLIOS 1 to 6 dated and signed on 2001.11.27
- Instructions IU-EVAC-202/ATEX rev.0 ((2 sheets) dated and signed on 2001.11.27

(17) SPECIAL CONDITIONS FOR SAFE USE

For the resistance to impact, the lighting fixture can insure a low protection, the user shall insure an supplementary protection in case of heavy mechanical risk.

(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 and EN 50 281-1-1
- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.

ADDITION

(3) INERIS 01ATEX0056X/01

(4) LIGHTING FIXTURE TYPE EVAC...and SUPPLY BOX TYPE PRC

(5) Made by NUOVA ASP

(15) PURPOSE OF THE ADDITION

- Application of standards:
EN 60079-0 : 2006 EN 60079-1 : 2007
EN 61241-0 : 2006 EN 61241-1 : 2004
- Increase of the ambient temperature from 52°C to 55°C.

PARAMETERS RELATING TO THE SAFETY


The parameters relating to the safety are unchanged.

MARKING

The marking is modified as follows:

A - On the lighting fixture type EVAC:

NUOVA ASP
I - 20090 Pantigliate
EVAC...(1)
INERIS 01ATEX0056X
(Serial number)
(Year of construction)

 II 2 GD

Ex d IIC T (*)
Ex tD A21 IP66 T (*)
T.amb: (*)
T.Cable: (*)


WARNINGS : DO NOT OPEN WHEN ENERGIZED
AFTER DE-ENERGIZED WAIT 30 MINUTES BEFORE OPENING

(1) The type is completed by number corresponding to size of the apparatus.

(*) See table below.

B - On the supply box type PRC when is connected:

NUOVA ASP
 I - 20090 Pantigliate
 PRC
 INERIS 01ATEX0056X
 (Serial number)
 (Year of construction)

 II 2 GD

Ex d IIC T (*)
 Ex tD A21 IP66 T (*)
 T.amb: (*)
 T.Cable: (*)

WARNINGS : DO NOT OPEN WHEN ENERGIZED
 AFTER DE-ENERGIZED WAIT 30 MINUTES BEFORE OPENING

(*) See table below.

Type EVAC 100 or 101

Type and power of lamp	Ambient temperature range	Concerned explosive atmosphere		Waiting delay in min PRC compartment	Cable temperature
		Gas	Dusts		
100 W Incandescent	-20°C/+40°C	T4	T130°C	N.A.	N.C.
	-20°C/+55°C				85°C
100 W Halogen	-20°C/+40°C	T4	T130°C	N.A.	N.C.
	-20°C/+55°C				85°C
100 W Metal halide	-20°C/+40°C	T4	T130°C	30	N.C.
	-20°C/+55°C	T3	T155°C		N.C.
80 W Mercury vapor	-20°C/+40°C	T4	T130°C	30	N.C.
	-20°C/+55°C				N.C.
70 W Sodium vapor	-20°C/+40°C	T4	T130°C	30	N.C.
	-20°C/+55°C				N.C.
15 W Fluorescent	-20°C/+40°C	T6	T80°C	N.A.	N.C.
	-20°C/+55°C				N.C.
25 W AC Incandescent 21 W DC	-20°C/+40°C	T6	T80°C	N.A.	N.C.
	-20°C/+55°C	T5	T100°C		N.C.

• N.C. : Non Concerned N.A. : Not Associated

Type EVAC 200 or 201

Type and power of lamp	Ambient temperature range	Concerned explosive atmosphere		Waiting delay in min PRC compartment	Cable temperature
		Gas	Dust		
200 W Incandescent	-20°C/+40°C	T4	T130°C	N.A	85°C
	-20°C/+55°C	T3	T155°C		100°C
160 W Blended light	-20°C/+40°C	T3	T155°C	N.A	90°C
	-20°C/+55°C				105°C
150 W Halogen	-20°C/+40°C	T4	T130°C	N.A	N.C.
	-20°C/+55°C	T3	T155°C		85°C
125 W Mercury vapor	-20°C/+40°C	T3	T155°C	30	N.C.
	-20°C/+55°C				N.C.
25 W Xenon flash	-20°C/+40°C	T6	T80°C	N.A	N.C.
	-20°C/+55°C				N.C.
23 W Fluorescent	-20°C/+40°C	T6	T80°C	N.A	N.C.
	-20°C/+55°C				N.C.

• N.C. : Non Concerned N.A. : Not Associated

Type EVAC 300 or 301

Type and power of lamp	Ambient temperature range	Concerned explosive atmosphere		Waiting delay in min PRC Compartment	Cable temperature
		Gas	Dusts		
300 W Incandescent	-20°C/+40°C	T4	T130°C	N.A	85°C
	-20°C/+55°C	T3	T170°C		100°C
250 W Halogen	-20°C/+40°C	T4	T130°C	N.A	85°C
	-20°C/+55°C	T3	T170°C		100°C
250 W Mercury vapor	-20°C/+40°C	T3	T195°C	30	N.C.
	-20°C/+55°C				N.C.
250 W Sodium vapor	-20°C/+40°C	T3	T170°C	30	N.C.
	-20°C/+55°C				N.C.
250 W Metal halide	-20°C/+40°C	T3	T170°C	30	N.C.
	-20°C/+55°C				N.C.
250 W Blended light	-20°C/+40°C	T3	T170°C	N.A	90°C
	-20°C/+55°C				105°C
150 W Metal halide	-20°C/+40°C	T4	T130°C	30	N.C.
	-20°C/+55°C	T3	T170°C		N.C.
150 W Sodium vapor	-20°C/+40°C	T4	T130°C	30	N.C.
	-20°C/+55°C				N.C.
25 W Rotallarm	-20°C/+40°C	T6	T80°C	N.A	N.C.
	-20°C/+55°C				N.C.

• N.C. : Non Concerned N.A. : Not Associated

Type EVAC 500 or 501

Type and power of lamp	Ambient temperature range	Concerned explosive atmosphere		Waiting delay in min PRC Compartment	Cable temperature
		Gas	Dusts		
500 W Incandescent	-20°C/+40°C	T3	T170C	N.A	110°C
	-20°C/+55°C				125°C
500 W Blended light	-20°C/+40°C	T2	T220°C	N.A	125°C
	-20°C/+55°C				140°C
400 W Mercury vapor	-20°C/+40°C	T3	T195°C	30	85°C
	-20°C/+55°C				
400 W Sodium vapor	-20°C/+40°C	T3	T195°C	30	N.C
	-20°C/+55°C				
400 W Metal halide	-20°C/+40°C	T3	T170°C	30	N.C
	-20°C/+55°C				
	-20°C/+55°C				

- N.C. : Non Concerned N.A. : Not Associated

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:

- 13.1 bar for lamp compartment type EVAC
- 12.6 bar for supply compartment type PRC.

(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°202 rev.1 of 2011.03.21 (5 rubrics) signed on 2011.03.21

(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 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, 2011.05.09



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