



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

(2) Equipment or protective system intended for use in potentially explosive atmospheres
Directive 94/9/EC

(3) EC-Type Examination Certificate number: **LOM 01ATEX2041 X**

(4) Equipment or Protection System Luminarie type AB80

(5) Applicant: CEAG Nortem, S.A.

(6) Address: Avda. Santa Eulalia, 290
08223 TARRASA
BARCELONA
SPAIN

(7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) Laboratorio Oficial J.M. Madariaga (LOM), notified body number 0163 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament of 23 March 1994, certifies that this equipment or protective system has been found to comply with 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.

The examination and test results are recorded in confidential report nr. **LOM 00.197 PP**


(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

- Standards **EN 50014:1997 + A1:1999 + A2:1999**
EN 50018:2000

(10) If the sign X is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design and construction of this specified equipment or protective system in accordance with the Directive 94/9/EC. Further requirements of the Directive applies to the manufacture and supply of this equipment or protective system.

(12) The marking of the equipment or protective system shall include the following:

 II 2G EEx d IIB T4..T6 Ta: -20 °C / +55 °C

Carlos Fernández Ramón
DIRECTOR OF THE LABORATORY



Madrid, 4 July 2001

Angel Vega Remesal
Head of ATEX area

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LABORATORIO OFICIAL J. M. MADARIAGA

(A1) **SCHEDULE**

(A2) EC-Type Examination Certificate: **LOM 01ATEX2041 X**

(A3) Description of equipment or protective system

Flameproof bulb luminarie made of cast iron and transparent part in borosilicate glass.

Characteristics:

Supply voltage (V)	Lamp power (W)	Lamp type	Temperature class
≤250	11	Fluorescent PL	T6
	60	Incandescent GLS	T4
	100	Incandescent GLS	T4

Ambient temperature: -20 °C to +55 °C

(A4) Test report: **LOM 00.197 PP**

(A5) Special conditions for safe use

Power supply cable will have to stand a continuous service temperature:
≥90 °C con lámparas de 60 W
≥110 °C con lámparas de 100 W

(A6) Essential Health and Safety Requirements

Each manufactured unit must be submitted to a static pressure test at 710 kPa according to paragraph 15.3.1 of EN 50018:2000

Explosion safe requirements are covered by application of the standards indicated in page 1/2 of this certificate.

(A7) Descriptive documents:

	Rev.	Date
- Description nr. AB80.doc (5 pp.)	I	2001-05-21
- Drawings nr: - N512112-0005	0	2000-01-14
- N512112-0006	A	2000-02-07
- N512112-0007	A	2000-02-07
- N512114/0004	I	1999-11-16
- N601114B0099	B	2001-07-03



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

(2) Equipment or protective system intended for use in potentially explosive atmospheres.
Directive 94/9/EC

(3) Supplement nr. **1** of EC-Type Examination Certificate: **LOM 01ATEX2041 X**

(4) Equipment or protective system
Luminarie
Type AB80

(5) Manufacturer
COOPER Crouse-Hinds


(6) Address
Avda. Santa Eulalia, 290
08223-TERRASSA (BARCELONA)
SPAIN

(7) Test report nr.: **LOM 09.243 NP**

(8) Variations included in this certificate

- 1 Assessment update to the standards EN 60079-0:2009 and EN 60079-1:2007
- 2 Update of the manufacturer name
- 3 To include a new type of thread cable entry M25x1, 5

(9) Changes in marking

 II 2 G Ex d IIB T4..T6 Gb

(10) Variations in special conditions for a safe use

None

(11) Descriptive documents

	Rev.	Date
- Description nr. AB80. E1.doc	1	2010-02-23
- Drawings nr.: N512112B0005	B	2009-01-13
CCH-100702	0	2010-07-19

Carlos Fernández Ramón
DIRECTOR OF THE LABORATORY



Madrid, 2010-07-20

Ángel Vega Remesal
Head of ATEX area

This supplement must be an inseparable part together with the base certificate **LOM 01ATEX2041 X**

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(1) EC-TYPE EXAMINATION CERTIFICATE SUPPLEMENT

(2) Equipment or protective system intended for use in potentially explosive atmospheres
Directive 94/9/EC

(3) Supplement nr. 2 to EC-Type Examination Certificate LOM 01ATEX2041 X

(4) Equipment or Protection System Luminaries
Type AB80

(5) Manufacturer COOPER Crouse-Hinds

(6) Address Avda. Santa Eulalia, 290
08223-TERRASSA (BARCELONA)
SPAIN

(7) Test report nr.: LOM 16.007 RP

(8) Variations included in this certificate

- Update to the standard EN 60079-0:2012
- To include the possibility of using a PTFE based coating of all metal surfaces including flameproof joints. The manufacturer uses a specific procedure to do this coating
- The use of a new lamp holder
- To include the use of compact fluorescent lamps up to 32 W temperature class T5 when Ta<=40°C, T4 when Ta<=55°C
- To include the use of compact LED lamps up to 13 W, temperature class T6

(9) Changes in marking

None

(10) Changes in the special conditions for a safe use

None

(11) Descriptive documents

	Rev.	Date
- Technical description	0	2015-12-01
- Drawings nr.:		
N512112C0005	C	2015-12-16
N512112H0006	H	2015-12-16
N512112I0007	I	2015-12-16
N512114J0004	J	2001-11-01
N601114D0099	D	2015-12-16

Getafe

FERNANDEZ RAMON,
CARLOS (FIRMA)
2016.04.13 08:44:18 +02'00'

Head of Certification Committee

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