



(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

(This document may only be reproduced in its entirety)

This Certificate is a translation from the original in Spanish. The LOM liability applies only on the Spanish text



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:

	<u>Rev.</u>	<u>Date</u>
- 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



(This document may only be reproduced in its entirety)

This Certificate is a translation from the original in Spanish. The LOM liability applies only on the Spanish text