



(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 03ATEX2036 X**

(4) Equipment or Protection System    Emergency luminaire  
Types    EEI IPL  
          PLANETE 60AD.1

(5) Applicant:                                Cooper, Crouse-Hinds Division, CEAG  
   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 03.140 UP**

(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 + A1:2002**  
   **EN 50281-1-1:1998 + A1:2002**

(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 this certificate schedule.

(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. These are not covered by this certificate.

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

 II 2GD    EEx d IIC T6    IP67    T85 °C    Ta: -20 °C /+55 °C

Madrid, 2 September 2003

Carlos Fernández Ramón  
DIRECTOR OF THE LABORATORY



Angel Vega Remesal  
Head of ATEX area

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# LABORATORIO OFICIAL J. M. MADARIAGA

## (A1) SCHEDULE

(A2) EC-Type Examination Certificate: **LOM 03ATEX2036 X**

### (A3) Description of equipment or protective system

Flameproof tubular emergency luminaires with a fluorescent tubular lamp, NiCd rechargeable batteries and control circuits for charge and discharge.

There are two different references EE11PL and PLANETE 60AD.1, with the same enclosure and different electronic circuits.

#### Characteristics EE11PL

Two versions of electronics circuits are made off, one of these incorporates a auxiliary rechargeable battery  
Batteries rated voltage: 4,8 V  
Main battery capacity: 4 Ah  
Auxiliar battery capacity: 0,32 Ah  
Emergency lamp power: 11 W  
Mains supply voltage: 220/230/240 V (selectable)

#### Characteristics PLANETE 60AD.1

Battery rated voltage: 3,6 V  
Battery capacity: 1,6 Ah  
Emergency lamp power: 2,1 W  
Mains supply voltage: 230 V

(A4) Test report : nr. **LOM 03.140 UP**

### (A5) Individual tests

Each manufactured unit must be submitted to a pressure test at 1100 kPa according to paragraph 15.1.3.1 of EN 50018:2000

### (A6) Special conditions for a safe use

- Luminaires can only be used in places with low mechanical impact danger.
- Enclosures can not be opened when an explosive atmosphere is present.

### (A7) Essential Health and Safety Requiements

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

### (A8) Descriptive documents:

		<u>Rev.</u>	<u>Date</u>
- Description nr.	EE11PL.doc	1	2003-06-25
- Description nr.	PLANETE.doc	0	2003-06-25
- Drawings nr.:	N601114-0119	-	2003-01-28
	N601114-0123	-	2003-01-28
	4B07350500	-	2003-04-30
- Control	E11PL V.2.2	-	2003-06-19
circuits	E11PL2000 V1.2	-	2002-10-22
description	PLANETE 60AD.1	-	2003-06-25



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