




- (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

Carlos Fernández Ramón
DIRECTOR OF THE LABORATORY



Madrid, 2 September 2003

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	EE11PL V.2.2	-	2003-06-19
circuits	EE11PL2000 V1.2	-	2002-10-22
description	PLANETE 60AD.1	-	2003-06-25



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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 02ATEX2036 X**

(4) Equipment or protective system: Emergency luminarie
Type EE11PL

(5) Applicant: Cooper Crouse-Hinds, S.A.

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

(7) Test report: **LOM 04.276 MP**

(8) Variations included in this certificate

To include a variant to permit to open the enclosure in hazardous areas. This variant have got a limit switch that disconnect the battery when the enclosure is opened. For this solution an increased safe type of protection is applied according standard EN 50019:200

(9) Marking changes

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

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

For this variant:

- The luminaries can only be use in places with low risk of mechanical impact.
- It is not permitted to manipulate battery elements. This operation can only be performed when an explosive atmosphere is not present.

(11) Descriptive documents

	Rev.	Date
- Description nr. EE11PL-Extension nr.1.doc	-	2004-05-14
- Drawing nr. N516112A005	A	2005-02-03

Carlos Fernández Ramón
DIRECTOR OF THE LABORATORY



Madrid, 20th May 2005

Angel Vega Remesal
Head of ATEX area

This supplement must be an inseparable part together with the base certificate **LOM 02ATEX2036 X**

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