

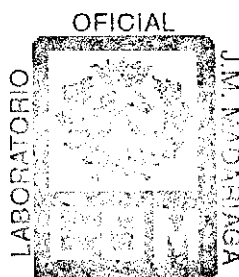





EC-TYPE EXAMINATION CERTIFICATE

- (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 02ATEX2019 X**
- (4) Equipment or Protection System Fluorescent luminaries
Type EVF...
- (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 00.427 LP**
- (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 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 2 G BEx d IIC T5..T6
Ta: -20 °C / +55 °C


Carlos Fernández Ramón
DIRECTOR OF THE LABORATORY



Madrid, 14 May 2002

Angel Vega Remesal
Head of ATEX area

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LABORATORIO OFICIAL J. M. MADARIAGA

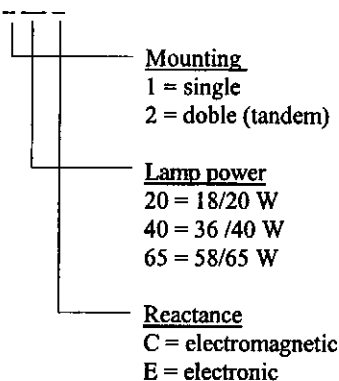
(A1) SCHEDULE

(A2) EC-Type Examination Certificate: **LOM 02ATEX2019 X**

(A3) Description of equipment or protective system

Cilindric luminaires for tubular fluorescent lamps. They are intended to be single mounted or in tandem, joined by cable entries.

Codification: EVF



Temperature class:

Lamp power (W)	Temperature class	
	Ta: -20 °C / +40 °C	Ta: -20 °C / +55 °C
18/20	T6	T6
36/40	T6	T6
56/65	T6	T5

Rated voltage :
- Electromagnetic ballast: 220-230 V, 50/60 Hz
- Electronic ballast: 189-254 Vca
176-280 Vcc

(A4) Test report: n° LOM 00.427 LP

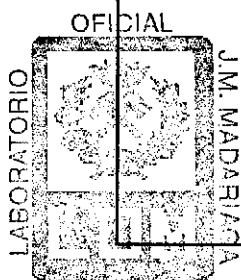
(A5) Special conditions for safe use

These luminaires only can be use in places with low risk of mechanical danger.

(A6) Essential Health and Safety Requirements

Each manufactured unit must be submitted to a static pressure test of 1050 kPa, according to paragraph 15.3.1 of EN 50018:2000.

Explosion safe requirements are covered by application of the standards indicated in page 1/3 of this certificate.



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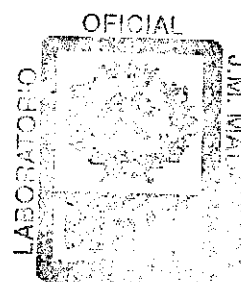
LABORATORIO OFICIAL J. M. MADARIAGA

(A1) **SCHEDULE**

(A2) EC-Type Examination Certificate: **LOM 02ATEX2019 X**

(A7) Descriptive documents:

		<u>Rev.</u>	<u>Date</u>
Description nr.	EVF.doc (6 pp)	1	2002-05-02
Part list nr.:	N507111A0001	A	2000-12-13
Drawings nr.:	N507111A0001	A	2000-12-13
	N601114A0106	A	2002-05-02
Schemas nr.:	N507114-0009	-	2000-12-13
	N507114-0010	-	2000-12-13
	N507114-0011	-	2000-12-13
	N507114-0012	-	2000-12-13



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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 02ATEX2019 X**
- (4) Equipment or protective system
Fluorescent luminaries
Type EVF...
- (5) Applicant
COOPER Crouse-Hinds
- (6) Address
Avda. Santa Eulalia, 290
08223-TERRASSA (BARCELONA)
SPAIN
- (7) Test report nr.: **LOM 08.234 SP**

(8) Variations included in this certificate

- 1 Assessment update to the standards EN 60079-0:2006 y EN 60079-1:2007
2 Update of the manufacturer/applicant name

(9) Changes in marking

II 2 G Ex d IIC T5..T6

Temperature classes and ambient temperature ranges are indicated in the base certificate.

(10) Descriptive documents

		<u>Rev.</u>	<u>Date</u>
- Description nr.	Ext varios	-	2008-05-19
- Drawings nr.:	CCH-0805003	0	2008-05-16

Madrid, 2nd March, 2009

Carlos Fernández Ramón
DIRECTOR OF THE LABORATORY

Angel Vega Remesal
Head of ATEX area

This supplement must be an inseparable part together with the base certificate **LOM 02ATEX2019 X**

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