



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:** ITS14ATEX18105X

4. **Equipment or Protective System:** LPL GEN II LED pendant lighting

5. **Manufacturer:** Cooper Crouse-Hinds S.A

6. **Address:** Avda.Sta Eulàlia, 290 08223 Terrassa, 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. Intertek Testing and Certification Limited, notified body number 0359 in accordance with Article 9 of the Council Directive 94/9/EC 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 Intertek Report Ref. 101799253 MAN-001 dated September 2014

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards EN 60079-0:2012, EN 60079-1:2007, EN 60079-7:2007 & EN 60079-31:2009 except in respect of those requirements referred to at item 16 of the Schedule.

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, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process 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 Ex d e IIC T5/T6 Gb  
II 2 D Ex tb IIIC T80°C/T95°C Db IP66  
-36°C/-35°C ≤ Ta ≤ 40°C/45°C/50°C/55°C

Intertek Testing & Certification Limited  
Intertek House, Cleeve Road, Leatherhead, Surrey, KT22 7SB  
Tel: +44 (0)1372 370900 Fax: +44 (0)1372 370977  
[www.intertek.com](http://www.intertek.com)

Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.



R J Smith  
Certification Officer  
5 September 2014

This certificate may only be reproduced in its entirety and without any change, schedule included and is subject to Intertek Testing and Certification's Conditions for Granting Certification.



SCHEDULE

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13. **Description of Equipment or Protective System**

This light is suitable for use in hazardous locations classified as Zone 1, Zone 2, Zone 21 and Zone 22. This light consists of two flameproof chambers, one driver chamber and an LED array chamber, between the two chambers there is a bushing fitted. Enclosure for wire connections is certified increased safety (Ex e). The enclosure is manufactured from die-cast copper-free aluminium alloy. The lens is made from tempered flat glass. A gasket is used to maintain IP66 rating. Electrical connections are to be fed via certified cable glands, all unused entries shall be sealed with suitably certified blanking elements to maintain the degree of protection.

14. **Report Number**

Intertek Report Ref. 101799253 MAN-001 dated September 2014.

15. **Conditions of Certification**

(a). Special Conditions for safe use

- Only suitably certified cable glands and blanking elements shall be used that meet the requirements of the classified areas (gas and/or dust) in which they are being used (i.e Ex e IIC T5 Gb or Ex tb Db)
- The flamepath lengths shall not be modified, without consultation with the manufacturer.

(b). Conditions of Manufacture

- Each enclosure shall be subjected to an Overpressure test in accordance with EN 60079-1:2007 clause 16.1 at the pressures detailed below;  
LPL\*-\*L\*-LT Driver chambers 1.31MPa, LED Array chambers 1.22MPa  
The pressure shall be maintained for at least 10 seconds.
- A dielectric strength test in accordance with clause 7.1 of EN 60079-7:2007 shall be carried out at 1600Vac between the terminals and housing and maintained for 1 minute without breakdown. Alternatively a DC voltage may be applied at 140% of the stated AC values.

The results of the above tests shall be recorded and retained.

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16. **Essential Health and Safety Requirements (EHSR's)**

The relevant EHSR's have been identified and assessed in Intertek Report Ref. 101799253 MAN-001 dated September 2014.

17. **Drawings and Documents**

Title	Drawing No.:	Rev. Level:	Date:
LPL GEN II NAME PLATE FOR SPAIN	2014712	1	2014/8/25

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