



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx SIR 15.0110X issue No.:0 Certificate history:

Status: **Current**

Date of Issue: **2015-10-29** Page 1 of 3

Applicant: **Point Lighting Corporation**
61 West Dudley Town Road
Bloomfield
Connecticut 06002
United States of America

Electrical Apparatus: **Helipad Rollover Light - Light Type PRL-97X04-xx-k-AX-xxx**
Optional accessory:

Type of Protection: **Increased Safety and Encapsulation**


Marking: **Ex eb mb IIC T5 Gb**
Ta = -55°C to +55°C

Approved for issue on behalf of the IECEx **C Ellaby**
Certification Body:

Position: **Deputy Certification Manager**

Signature:
(for printed version)

Date:



2015-10-29

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

SIRA Certification Service
CSA Group
Unit 8, Hawarden Industrial Park
Hawarden
Deeside
CH5 3US
United Kingdom

sira
CERTIFICATION





IECEx Certificate of Conformity

Certificate No.: IECEx SIR 15 0110X

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Manufacturer: **Point Lighting Corporation**
61 West Dudley Town Road
Bloomfield
Connecticut 06002
United States of America

Additional Manufacturing location
(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-18 : 2014 Edition: 4.0	Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"
IEC 60079-7 : 2015 Edition: 5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

GB/SIR/ExTR15 0294/00

Quality Assessment Report:

GB/BAS/QAR14 0012/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Light Type PRL-97X04-xx-x-AX-xxx comprises an aluminium cylindrical base with domed cover that is secured to the base by six off socket head cap screws.

The cover comprises an aluminium annulus with a central glass dome. The underside of the dome is fitted with an LED assembly, which is effectively encapsulated into the space formed by the dome. The underside of the annulus is fitted with a steel pot, into which is encapsulated an electronics module, such that when the cover and base are fitted together, the LED assembly and steel pot are fully enclosed within the housing. The base of the enclosure houses IECEx 'Ex e' certified terminals, certified under IECEx LCI 08.0031U, which provide connection facilities for incoming cables via up to 4 cable entry holes. Internal and external earthing facilities are provided. Refer to the Annexe for Type Designations

The Manufacturer shall comply with the following:

1. Every unit shall be subjected to a visual inspection in accordance with Clause 9.1 of IEC 60079-18: 2014-12 Ed 4.0.
2. Every unit shall be subjected to a routine dielectric strength test of at least 1500 V r.m.s. a.c. applied for at least 1 s, or at least 1800 V r.m.s. a.c. applied for at least 100 ms, between all terminals and the equipment enclosure, in accordance with Clause 9.2 of IEC 60079-18: 2014-12 Ed 4.0.
3. Only IECEx terminals approved by IECEx LCI 08.0031U are to be fitted.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The supply circuit shall be protected by a fuse capable of withstanding a prospective short circuit current of 1500A.
2. Cable entry holes shall be fitted with either an appropriately IECEx certified cable gland or appropriately IECEx certified blanking element. These shall provide and maintain a minimum enclosure ingress protection of IP66.