



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx CML 17.0135** Page 1 of 4 [Certificate history:](#)
Issue 0 (2017-12-14)

Status: **Current** Issue No: 1

Date of Issue: 2020-02-06

Applicant: **Raytec**
Unit 15 Wansbeck Business Park
Rotary Parkway
Ashington
Northumberland
NE63 8QW
United Kingdom

Equipment: **Spartan SPZ Floodlight/Bulkhead Luminaire**

Optional accessory:

Type of Protection: **increased safety, encapsulation, flameproof, dust protected**

Marking: Ex ec mc IIC T4 Gc
Ex tc IIIC T**°C Dc
Up to - 50 °C to +55 °C
See description for specific marking and ambient temperatures

Approved for issue on behalf of the IECEx
Certification Body:

S. Roumbedakis

Position:

Technical Manager

Signature:
(for printed version)

Date:

2020-02-06

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 www.iecex.com or use of this QR Code.



Certificate issued by:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





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Manufacturer: **Raytec Ltd.**
Unit 15 Wansbeck Business Park
Rotary Parkway
Ashington, Northumberland
NE63 8QW
United Kingdom

Additional
manufacturing
locations:

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 equipment 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 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-18:2014 Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"
Edition:4.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

This Certificate **does not** indicate compliance with 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 Reports:

[GB/CML/ExTR17.0186/00](#)

[GB/CML/ExTR20.0007/00](#)

Quality Assessment Report:

[GB/SIR/QAR13.0018/07](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Spartan SPZ Floodlight/Bulkhead Luminaire is a range of LED lighting.

The enclosures are constructed using front, centre, and rear cast aluminium housings fixed using bolts. The front housing has a soda lime toughened glass lens available in clear or coloured options. A 'Vario' holographic diffuser film may be fitted behind the glass to give alternative light patterns. An optional replaceable antistatic lens film may be fitted.

The centre housing has either 1 or 2 independent encapsulated power supplies (electronic control gear) and terminal blocks for supply and internal connections. LED's are mounted on one or two independent Insulated Metal Substrate (IMS) PCBs attached to rear heat sink. Each PCB has 12 LED's that are either white, infra-red, coloured or a combination. An EMC filter module may be fitted as an optional extra, this is an additional encapsulated board, located in place of the terminal block bracket (when fitted).

The front and middle/rear housing of the luminaires may be split to allow the LED assembly to be mounted remotely from the power supply/emergency enclosure. There are internal and external earth points.

See Annex for full description and Conditions of Manufacture

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Refer to Certificate Annex

Annex:

[IECEx CML 17.0135 Iss 1 Annex_1.pdf](#)



Annexe to: M0
Applicant: R
Apparatus: d
 m

Description

options. A 'Vario' holographic diffuser film may be fitted behind the glass to give alternative light options. gear) and terminal blocks for supply and internal connections. LED's are mounted on one or two D's that are either white, infra-red. M2

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Unit 1, Newport Business Park
 New Port Road
 Ellesmere Port
 CH65 4LZ

T +44 (0) 151 559 1160
 E info@cmllex.com

www.cmllex.com

Company Reg No. 8554022 VAT No. GB163023642



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