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 25.0116**

Certificate history:

Status: **Current**

Issue No: 0

Date of Issue: 2026-08-06

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

Equipment: **Spartan High Power Flood / Bay**

Optional accessory:

Type of Protection: **Increased safety Ex "e", Encapsulation Ex "m", Dust Protection by Enclosure Ex "t"**

Marking: Ex tb IIIC T99°C Db

-40°C to +60°C (Standard power)
-40°C to +65°C (Reduced power)
-40°C to +70°C (Low power)

Approved for issue on behalf of the IECEx Certification Body: **L A Brisk**

Position: **Assistant Certification Manager**

Signature: (for printed version)

Date: (for printed version) 06 Aug 2026

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 Limited
Unit 15 Wansbeck Business Park
Rotary Parkway
Ashington
Northumberland
NE63 8QW
United Kingdom

Manufacturing locations:
Raytec Limited
Unit 15 Wansbeck Business Park
Rotary Parkway
Ashington
Northumberland
NE63 8QW
United Kingdom

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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-31:2022 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

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 Report:

GB/CML/ExTR25.0265/00

Quality Assessment Report:

GB/SIR/QAR13.0018/14

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The Spartan High Power Flood / Bay is a hazardous area luminaire. It is rated at a voltage of 110 – 277V or 110 – 254V model dependent. Optionally these models may be operated in a dim mode with a reduced or low power.

See Annex for full description and Conditions of Manufacture.

SPECIFIC CONDITIONS OF USE: NO

Annex:

Annex IECEx CML 25.0116 Iss 0.pdf

Annexe to: IECEx CML 25.0116 Issue 0

Apparatus: Spartan High Power Flood / Bay

Applicant: Raytec Limited

Description

The Spartan High Power Flood / Bay is a hazardous area luminaire. It is rated at a voltage of 110 – 277V or 110 – 254V model dependent. Optionally these models may be operated in a dim mode with a reduced or low power.

It briefly comprises a rectangular aluminium enclosure with a bolted cover. The cover houses a toughened glass window. The front of the enclosure has a separate cover fixed with 4 M6 bolts which houses increased safety terminals. The rear of the enclosure has two separate covers each fixed with 4 M6 bolts; this house encapsulated drivers. All covers are sealed with silicone gaskets.

Beneath the glass window are 4 light engines, each light engine consisting of 96 LEDs arranged in groups of 16. Each group of 16 LEDs are covered by a polycarbonate cover secured to the PCB with silicone adhesive. The light engine PCB is supplied in 4 strings of 24LEDs.

Each luminaire is supplied by encapsulated drivers, they are encapsulated into the rear of the luminaire via 2 driver housings. Optionally the drivers may be mounted remotely via a separate aluminium enclosure. There are 4 different driver models permitted (Universal, Dali, Extended and MP). Each luminaire is supplied by either 2 drivers (MP) or 4 drivers, 2 in each enclosure (Universal, Dali, Extended).

Connection to the luminaire is made via separately certified increased safety terminals, housed within the terminal enclosure at the front of the luminaire. Entry into the terminal enclosure is made via separately certified cable glands.

The luminaire is offered as High Power Flood (HPFL) and High Power Bay (HPBY). The difference in models being the mounting bracket it is supplied with.

<table>
<tr><th rowspan="2">Equipment</th><th rowspan="2">Type</th><th rowspan="2">Model</th><th rowspan="2">Light type</th><th rowspan="2">Optical Beam Angle</th><th rowspan="2">Dust Only</th><th colspan="2">Optional</th></tr>
<tr><th>Dali PSU</th><th>Remote Mount of PSU</th></tr>
<tr><td rowspan="4">SPZ</td><td rowspan="2">HPFL</td><td>300 (Full Power)</td><td rowspan="4">W
* More options available</td><td rowspan="4">^^^</td><td rowspan="4">-Z21</td><td rowspan="4">-DA</td><td rowspan="4">-RM</td></tr>
<tr><td>200 (Reduced Power)</td></tr>
<tr><td rowspan="2">HPBY</td><td>100 (Low Power)</td></tr>
</table>

Eurofins E&E CML Limited
Newport Business Park, New Port Road
Ellesmere Port, CH65 4LZ, UK

Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

i. Where the product incorporates certified parts or safety critical components, the manufacturer of the product defined on this certificate shall continually monitor these parts/components for any modifications introduced by the manufacturer(s) of these constituent parts. If the manufacturer of any constituent part introduces any changes which affect the compliance of the certified product that is the subject of this certificate, the manufacturer is required to have this certificate updated.

Specific Conditions of Use

None.

Components used which are covered by Ex Certificates issued to older editions of Standards

None

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