

UK Type Examination Certificate CML 21UKEX4104 Issue 3**United Kingdom Conformity Assessment**

- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Equipment **Spartan LED Linear Luminaire**
- 3 Manufacturer **Raytec Ltd.**
- 4 Address **Unit 15 Wansbeck Business Park,
Rotary Parkway, Ashington,
Northumberland,
NE63 8QW, UK**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, Approved Body Number 2503, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This UK Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018 EN 60079-31:2014

EN 60079-18:2015+A1:2017
- 10 The equipment shall be marked with the following:



Refer to attached certificate CML 15ATEX4138, Issue 11 for specific marking of explosion protection symbols.

Refer to attached certificate CML 15ATEX4138, Issue 11 for marked code and ambient temperature range.



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11 Description

For product description refer to attached certificate CML 15ATEX4138, Issue 11.

Variation 1

This variation introduces the following modifications:

- i. Alternative electronic components for power supply unit.
- ii. Correction of typographical errors on schedule drawings.

Variation 2

This variation introduces the following modifications:

- i. To assess the Universal Power Supply.
- ii. To assess the High Output variant of the Spartan LED Linear Luminaires
- iii. To correct UKEX standard references
- iv. To correct UKEX Conditions of Manufacturer

Variation 3

This variation introduces the following modifications:

- i. To provide clarification on product specification on certification documents.
- ii. To introduce a High Output Emergency variant of the luminaire.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	26 Mar 2021	R13817A/00	Issue of prime certification
1	29 Jun 2021	R14354A/00	Introduction of variation 1.
2	24 Aug 2022	R15050A/00	Introduction of variation 2.
3	03 Feb 2023	R16135A/00	Introduction of variation 3.

Note: Drawings that describe the equipment are listed in the Annex.

13 Conditions of Manufacture

For additional conditions of manufacture refer to attached certificate CML 15ATEX4138, Issue 11.

Any routine tests/verifications required by the ATEX certification shall be conducted.

14 Specific Conditions of Use

For Specific conditions of use refer to attached certificate CML 15ATEX4138, Issue 11.

Certificate Annex

Certificate Number CML 21UKEX4104
Equipment Spartan LED Linear Luminaire
Manufacturer Raytec Ltd.



The following documents describe the equipment defined in this certificate:

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
920-SD-0035	4 of 4	A	26 Mar 2021	Spartan Linear Gen 2

Issue 1

	Drawing No.	Sheets	Rev	Approved date	Title
01	920-SD-0035	1 of 4	A	29 Jun 2021	Spartan LED Linear GEN 2
01	920-SD-0035	2 of 4	B	29 Jun 2021	Spartan LED Linear GEN 2
01	920-SD-0035	3 of 4	A	29 Jun 2021	Spartan LED Linear GEN 2
01	920-SD-0035	4 of 4	B	29 Jun 2021	Spartan LED Linear GEN 2
02	910-SD-0057	1 to 3	B	29 Jun 2021	Spartan dual power supply PCB Schematic
03	910-SD-0058	1 to 7	B	29 Jun 2021	FMEA Spartan dual power supply
04	910-SD-0059	1 of 1	B	29 Jun 2021	Part list spartan dual power supply
05	920-SD-0037	Sheet 5	B	29 Jun 2021	FMEA other spartan single stage power supply

Issue 2

	Drawing No.	Sheets	Rev	Approved date	Title
01	920-SD-0035	2 of 4	C	24 Aug 2022	SPARTAN LED LINEAR – GEN 2
02	920-SD-0035	4 of 4	C	24 Aug 2022	SPARTAN LED LINEAR – GEN 2
03	SB SD 4 C 145 75 0	1 to 10	0	24 Aug 2022	Safety assessment for LED ECG 4 C 145 75 0
04	70.03-01	1 to 7	0	24 Aug 2022	Test Report - LED Control Gear (Parts List 4 C 145 75 0 Rev 0)
05	BOM 4 C 145 75 0	1 to 2	0	24 Aug 2022	LED Control Gear 700 mA, 45 W, 110 - 254 V
06	BOM S 002 88 0	1 to 3	0	24 Aug 2022	SMD LED Control Gear 700 mA, 45 W, 110 - 254 V
07	BOM 5 A 003 44 1	1 of 1	0	24 Aug 2022	Lighting, Z.-Nr.: 7 E 00 187 01 0
08	BOM 5 A 003 44 2	1 of 1	0	24 Aug 2022	Lighting, Z.-Nr.: 7 E 00 187 01 0
09	BOM 5 A 003 44 3	1 of 1	0	24 Aug 2022	Lighting, Z.-Nr.: 7 E 00 187 01 0
10	BOM 5 A 003 44 4	1 of 1	0	24 Aug 2022	Lighting, Z.-Nr.: 7 E 00 187 01 0

Certificate Annex

Certificate Number CML 21UKEX4104
Equipment Spartan LED Linear Luminaire
Manufacturer Raytec Ltd.



	Drawing No.	Sheets	Rev	Approved date	Title
11	BOM 5 A 003 44 5	1 of 1	0	24 Aug 2022	Lighting, Z.-Nr.: 7 E 00 187 01 0
12	NP2021-15414	1 to 3	G	24 Aug 2022	ICT Approval Application EFD25/16/9 X'Fmr

Issue 03

#	Drawing No.	Sheets	Rev	Approved date	Title
01	920-SD-0035	1 of 4	B	03 Feb 2023	Spartan LED Linear – Gen 2
	920-SD-0035	2 of 4	D	03 Feb 2023	Spartan LED Linear – Gen 2
	920-SD-0035	3 of 4	B	03 Feb 2023	Spartan LED Linear – Gen 2
	920-SD-0035	4 of 4	D	03 Feb 2023	Spartan LED Linear – Gen 2