



EU Type Examination Certificate CML 16ATEX1130 Issue 0

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **Spartan LED Linear Luminaire**
- 3 Manufacturer **Raytec Ltd.**
- 4 Address Unit 3 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 Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK, Notified Body Number 2503, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 Annex II to the Directive.
- 7 The examination and test results are recorded in the confidential reports listed in Section 12.
- 8 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 9 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 10 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:

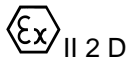
EN 60079-0:2012+A11:2013

EN 60079-31:2014

- 10 The equipment shall be marked with the following:

Standard Luminaire

Emergency Luminaire

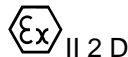


Ex tb IIIC T80°C Db

Ta= -40°C to +60°C

Ex tb IIIC T65°C Db

Ta= -40°C to +45°C



Ex tb IIIC T76°C Db

Ta= -20°C to +50°C

Ex tb IIIC T66°C Db

Ta= -20°C to +40°C



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11 Description

The Spartan LED Linear Luminaires are a range of LED luminaires. There are four luminaire sizes available varying in length; WL84, WL84-1200, WL168 and WL168-1500. All variants are offered as LV (Low Voltage); rated at 18V to 48V AC / 18V to 68V DC or HV (High Voltage); rated at 110V to 254V AC. The HV luminaires may also be supplied with a battery pack and inverter to enable operation in 'emergency' mode.

The Spartan LED linear Luminaire enclosure is made from extruded aluminium with a transparent polycarbonate lens. The aluminium enclosure has cast aluminium end sections fitted with cast aluminium covers. The equipment utilises silicone sponge gaskets to seal the external lens and end covers to the main enclosure and maintain the IP65 rating. Samples of the luminaire have also been independently tested against the requirements of IEC 60529 Ed 2.1 and have passed IPX6 and IPX7.

The end sections house separately certified terminals and a maximum of two separately certified cable entries per end. The end covers house either the encapsulated power supply or the optional emergency mode battery. The covers are fixed to the end sections using two M6 bolts per cover. Alternatively, an option of fitting a blanking cover at one end to provide two cables entries at one end can be used.

The main section of the luminaire is fitted with a PCB populated with 84 LED's. The WL84 and WL84-1200 variants are fitted with one light engine and one external lens. The WL168 and WL168-1500 variants are fitted with two light engines and two external lenses.

The LED's are available in white, coloured or infra-red. The enclosure has fixing holes to the rear, the size, pitch and quantity can be customised to suit customer needs. All enclosures offer internal and external earthing facilities.

An optional replaceable antistatic lens film is available across the range.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	13 Jul 2016	R1297A/00	Issue of prime certificate

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

13 Conditions of manufacture

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

- 13.1 Where the product incorporates certified parts or safety critical components the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.

14 Special Conditions for Safe Use (Conditions of Certification)

The following conditions relate to safe installation and/or use of the equipment.

None

Certificate Annex



Certificate Number CML 16ATEX1130
Equipment Spartan LED Linear Luminaire
Manufacturer Raytec Ltd.

The following documents describe the equipment or component defined in this certificate:

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
920-SD-0029	2 of 4	A	13/07/2016	Label drawing
980-SD-0023	1 of 1	A	13/07/2016	Spartan LED linear – Zone 2
920-SD-0007	1 of 4	C	13/07/2016	Spartan Linear Ex em
920-SD-0007	2 of 4	C	13/07/2016	Spartan Linear Ex em
920-SD-0007	3 of 4	B	13/07/2016	Spartan Linear Ex em
920-SD-0007	4 of 4	A	13/07/2016	Spartan Linear Ex em