SPARTAN SPI-WL84
LED Industrial Linear Luminaire

rayTEC

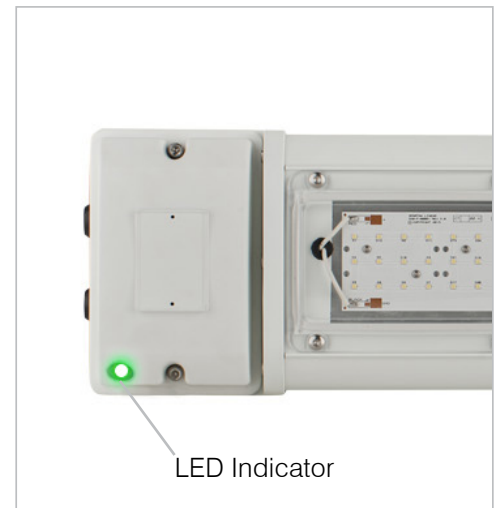Intelligent Emergency Variants

- Intelligent Emergency variants - up to 100% light output

- Retrofitable

- Ultra long life, high lumen output LEDs

- Easy installation, maintenance and inspection

- Wide operating temperature range -40° to +60°C

- Clear external tear off strips on outer optics available

- 5 year warranty

- Zone 1 & 2 variants available

The SPARTAN Linear range is designed specifically for industrial applications and to retrofit existing fluorescent installations which require high performance, reliable, White-Light illumination. Housed in Marine Grade aluminium and using Raytec's field-proven, long-life LED technology, SPARTAN Linear is suitable for a wide range of industrial applications. SPARTAN Linear's overall dimensions, fixing centres and gland entries are all compatible with commonly used traditional 2x18W fluorescent luminaires, so end users can upgrade to LED easily.

SPARTAN Linear is available as an intelligent emergency variant which self-tests the emergency battery to proactively monitor and maintain the overall health of the luminaire and provides class leading emergency performance. A unique modular design means key components are easily accessible, making inspection and maintenance quick and easy. SPARTAN uses thermal management technology which ensures the luminaire runs cool, providing up to 60% better heat dissipation compared to conventional lighting, allowing the product to operate for 10+ years while still delivering a high lumen output of 3,460 lumens.

0920-D-00033

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Raytec Americas: +1 613 270 9990 • ushazsales@raytecled.com

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Intelligent Emergency - Self-testing Functions

LED Indication	Condition
🟢	Battery charged and PSU OK
⚪	Emergency mode activated
🟡	Function Test
	Self-test
☀️	Commissioning
☀️	Fault - further troubleshooting required

LED Indicator

Features

Benefits

Retrofitable	Easy Installation, matching the dimensions of traditional 2x18W fluorescent fittings, to provide an easy direct replacement Equivalent Output to a 2x18W fluorescent
Intelligent Emergency	Self-testing emergency battery which proactively monitors and maintains the overall health of the luminaire Easy inspection thanks to a tri-colour LED indicator
Modular Design	Both the LED and PSU modules are easily accessible for maintenance and inspection
Ultra-Powerful	High lumen output – up to 3,460 lumens Latest high power LED technology
Ultra-Reliable	Industry leading 5 year warranty Designed and manufactured in the UK to the highest standards including both ISO9001 & ISO14001 Advanced electronics and LED's protected by vibration resistant and waterproof potting compound Intelligent emergency with automatic self-testing
Ultra-Efficient	Thermal management technology delivers class leading energy efficiency Significant running and maintenance savings compared to traditional lighting technologies SMART access wiring system for safe and efficient installation, set-up and ongoing inspection
Support Services	Photometric files available (.ies & .ldt) Full Lighting Design Service Site specific Energy and Cost Saving Report available

5 YEAR WARRANTY

All Raytec luminaires are provided with an industry leading 5 year warranty and have an expected useful life in excess of 10 years

5 YEAR WARRANTY

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Technical Specifications

Optical

Lumen output on mains:	Up to 3,460 lm
LED type:	Platinum Elite SMT LEDs
Number of LEDs:	84 LEDs
CRI	80+
Colour Temperature:	6,000K+

Electrical

Input:	110-254V 50/60Hz AC only Low voltage: 18-48V AC and 18-69V DC Extra low voltage: 12V AC/DC
Power:	Standard - 29W Emergency - 32W
Termination	Incoming terminal block suitable for looping 4 core 4mm² cable
Power Factor:	>0.95
Cable Entries	2xM20 cable entries at both ends, through wiring as standard (other entries available upon request), dispatched complete with blanking plugs

Mechanical/Environmental

Burning position:	Universal
IP rating:	IP66 & IP67
Temperature range:	-40°C to +60°C (-20°C to +50°C for emergency variants)
Weight:	Standard - 6kg (13.2lbs) Emergency - 7kg (15.4lbs)
Enclosure:	Marine grade aluminium epoxy powder coated, UV stabalised polycarbonate, all external fasteners and brackets are marine grade stainless steel
Unit Colour:	White (RAL 9016) Emergency Cover - Red (RAL 3024)
Installation instructions:	Please contact Raytec for copy
Dimensions:	775 x 108 x 174mm (30.5 x 4.3 x 6.9")
Mounting:	Via M8 tapped holes. Various mounting arrangements available (please see product overview guide)

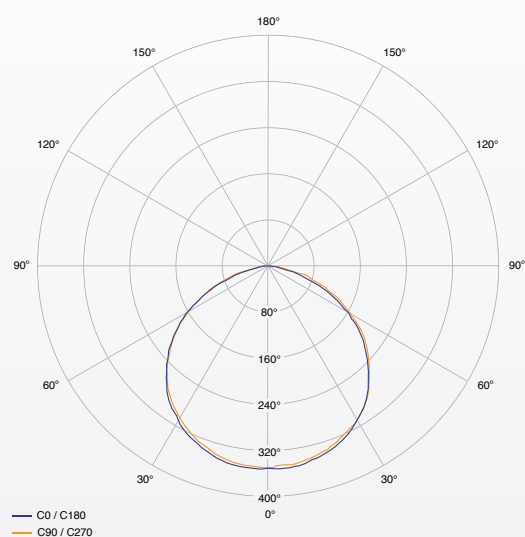## Intelligent Emergency Battery Back-Up

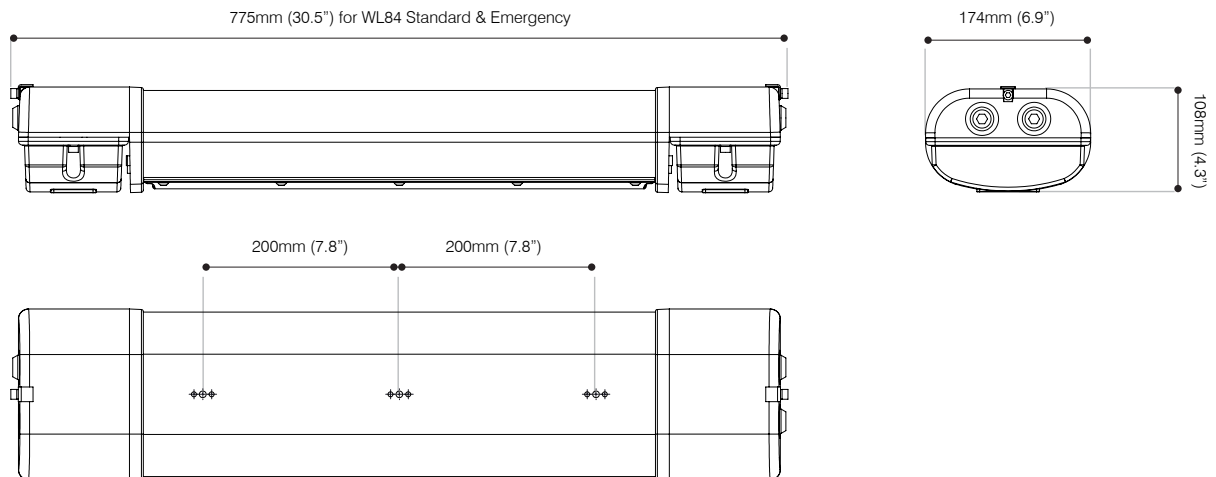|	
Function:	Self-testing intelligent emergency
System health indicator:	Tri-colour LED indicator
Emergency Duration:	Up to 3hrs @ 25% power Other options available
Emergency Battery:	Ni/Cd 12V
Emergency Charge Time:	20 hours

Part Codes - Industrial

Part Codes	Description
SPI-WL84	SPARTAN Industrial Linear, 84 LED, White-Light
SPI-WL84-EMX25	SPARTAN Industrial Linear, 84 LED, White-Light, Intellient Emergency Battery Backup

18-69V variants available, add -LV to the above codes
12V variants available, add -ELV to the above codes
EMX not available in -LV or -ELV
Add -D to part code for diffused lens

Light Distribution

C0 / C180
C90 / C270

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Product Dimensions

775mm (30.5") for WL84 Standard & Emergency

174mm (6.9")

108mm (4.3")

200mm (7.8") 200mm (7.8")
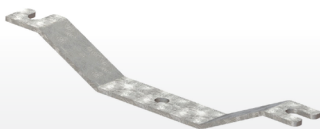
SPARTAN Linear Accessories

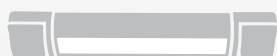|		
SUSPENSION CORD KIT	POLE CLAMP KIT	M8 EYE BOLT
CEILING MOUNTING KIT	SWIVEL MOUNT KIT	WALL MOUNTING OUTREACH BRACKET

Other accessories also available, including Magnetic Mounting Kit (SPX-BKT-MAG) and Tear Off Optic Strips - pack of 10 (SPX-BKT-PF84)
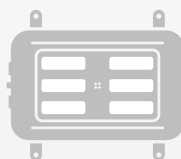
Products in the SPARTAN Family

SPARTAN Flood	SPARTAN Linear	SPARTAN Bulkhead	SPARTAN Bay	SPARTAN Crane

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