

# Malux

## LED Industrial Safety Shower Linear Luminaire



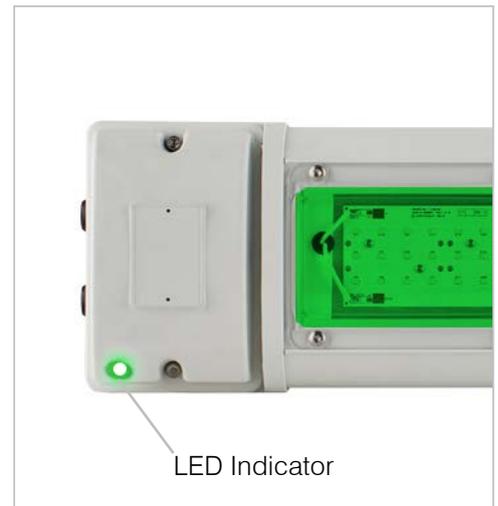
- Intelligent Emergency variants - up to 100% light output
- Zone 1/ 21 & Zone 2/ 22 variants available
- Retrofittable
- Green, long life LED
- High lumen output LED
- Easy installation, maintenance and inspection
- Wide operating temperature range -40° to +60°C
- 5 year warranty

The SPARTAN Safety Shower Linear range is designed specifically for industrial applications and to retrofit existing fluorescent installations where a safety shower unit is located. Housed in marine grade aluminium and using Raytec's field-proven, long-life LED technology, SPARTAN Safety Shower Linear is suitable for a wide range of industrial applications. SPARTAN Safety Shower Linear's overall dimensions, fixing centres and gland entries are all compatible with traditional 2x18W fluorescent luminaires, so end users can upgrade to LED easily.

SPARTAN Safety Shower 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.

# 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



Features	Benefits
Retrofitable	Easy installation, matching the dimensions of traditional fluorescent fittings, to provide an easy direct replacement
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-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 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



# Technical Specifications

## Optical

LED type:	Platinum Elite SMT LEDs
Number of LEDs:	84 LEDs
Colour:	Green
Dominant Wavelength:	519nm (true green)

## 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 - 34W Emergency - 37W
Termination	Incoming terminal block suitable for looping 4 core 4mm <sup>2</sup> 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 stabilised 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

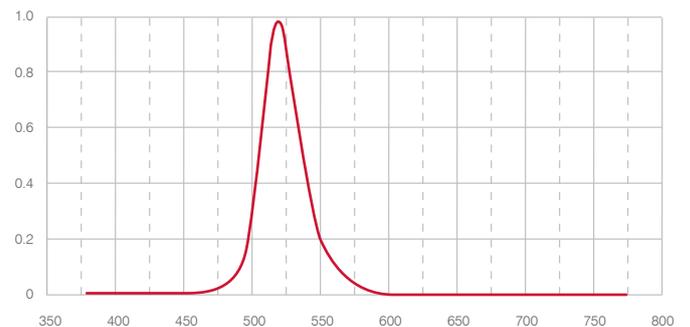
Part Codes	Description
SPI-WL84-G	SPARTAN Industrial Safety Shower Linear WL84
SPI-WL84-G-EMX25	SPARTAN Industrial Safety Shower Intelligent Emergency Linear WL84

18-69V variants available, add -LV to the above codes  
12V variants available, add -ELV to the above part codes

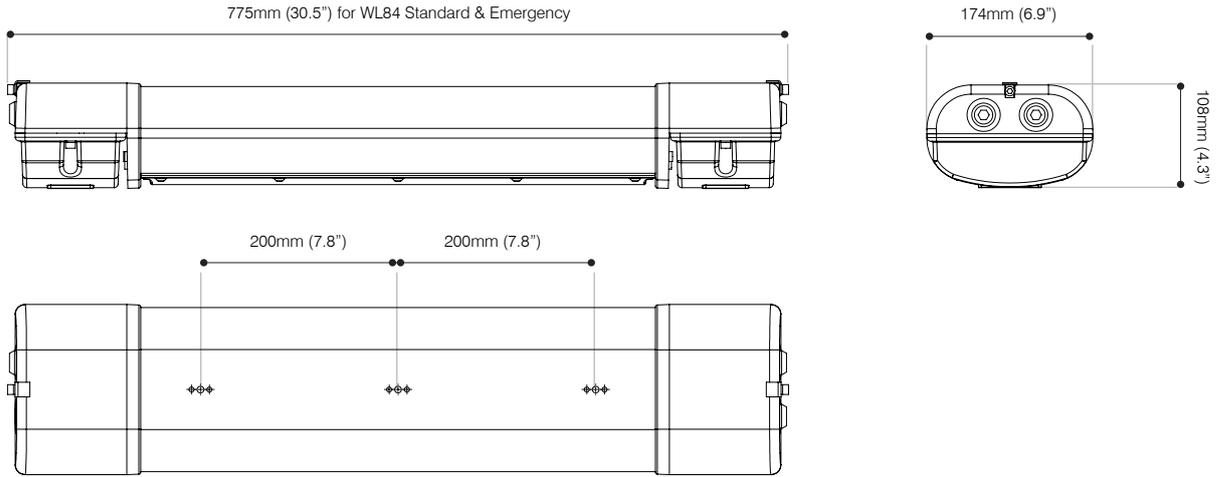
# Light Distribution

## Optical

LED type: Platinum SMT LEDs  
Dominant Wavelength: 519nm (true green) —————



# Product Dimensions



# SPARTAN Linear Accessories



SUSPENSION CORD KIT



POLE CLAMP KIT



M8 EYE BOLT



CEILING MOUNTING KIT



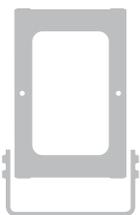
SWIVEL MOUNT KIT



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)

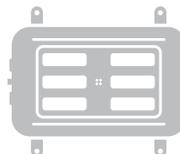
# Products in the SPARTAN Family



SPARTAN Flood



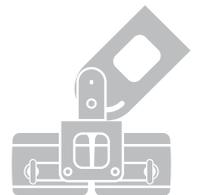
SPARTAN Linear



SPARTAN Bulkhead



SPARTAN Bay



SPARTAN Crane

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