SPARTAN LED
Zone 2/22 SPZ Linear Spigot Luminaire











Intelligent Emergency Variants

Ultra-Powerful

SPARTAN Linear delivers industry-leading power and performance with an efficacy of up to 147 lumens per watt on standard variants.

Controllable

DALI 2.0 Dimmable as standard on non emergency variants for precise and flexible control of lighting assets.

Intelligent Emergency

Self-testing emergency battery providing up to 3 hours emergency back-up.

Integrated Spigot

The integrated spigot bracket is designed to fit poles up to 42mm in diameter and is fully shrouded for environmental protection.

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. See Warranty Statement for details.

5 YEAR WARRANTY

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

Technical Specifications

Certification

ATEX Rating	ATEX UKEX and IEC Ex rated for Gas and Dust
Hazardous Area Rating	Zone 2 (Gas), Zone 22 (Dust) (Zone 21 Version also available : Zone 2 (Gas) Zone 21/22 (Dust))
Certificates	Zone 2/22 version: CML15ATEX4138 & IEC Ex CML15.0068 & CML21UKEX4104 (Zone 21 version: CML16ATEX1130 & IEC Ex CML16.0052 & CML21UKEX1100)
Gas	Gas: II 3 G D Ex ec mc IIC T4 Gc Ta= -40°C to+60°C (-20°C to +50°C for emergency variants) (T6 variants also available - contact Raytec)
Dust	Ex tc IIIC T80°C Dc Ta= -40°C to+60°C (-20°C to +50°C for emergency variants)
Dust (Zone 21 version)	II 2 D Ex tb IIIC T80°C Db Ta= -40°C to+60°C (-20°C to +50°C for emergency variants)
ABS Certificate #	#25-0220600-PDA

Electrical

	WL84	WL84 Emergency	WL84 High Output
Input	Standard: 110-254V 50/60Hz AC/DC* Optional: 110-277V 50/60Hz AC/DC Low voltage version 18-48V AC & 18-69V DC	110-277V 50/60Hz AC only	Standard: 110-254V 50/60Hz AC/DC* Optional: 110-277V 50/60Hz AC/DC
Power	24W	32W	48W
Termination	Incoming terminal block suitable for 4 core 4mm² cable (6mm² available - POA)		
Power Factor	>0.95	>0.95	>0.95
Cable Entries	1xM20 cable entry as standard (other entries available upon request), dispatched complete with an ATEX/IEC Ex approved blanking plug		
DALI	Non-Emergency and non Low voltage products are available as DALI 2.0 enabled as an option. In these variants terminals are provided for loop in/loop out 2 core control cable		

* T6 variants are AC only

Optical

	WL84	WL84 Emergency	WL84 High Output
Lumen output on mains	See Lumen Output by Optic Table below		
LED type	Platinum Elite SMT LEDs		
Number of LEDs	80		
CRI	80+		
Colour Temperature	6500K standard		

Mechanical

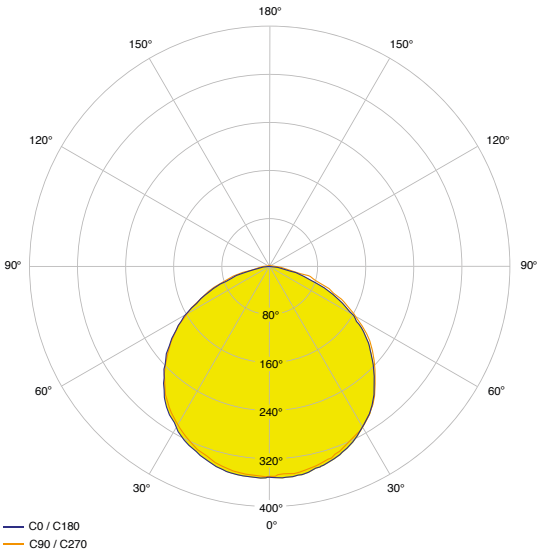
	WL84	WL84 Emergency	WL84 High Output
Burning Position	Universal		
IP Rating	IP66 & IP67		
IK Rating	IK10		
Temperature Range	-40°C to +60°C (-40°F to +140°F)		
Weight	6kg (13.2lbs)	7kg (15.4lbs)	6kg (13.2lbs)

Technical Specifications

Mechanical	WL84	WL84 Emergency	WL84 High Output
Enclosure	Marine grade aluminium epoxy powder coated, UV stabilised polycarbonate, all external fasteners and brackets are marine grade stainless steel		
Unit Colour	Silver (RAL 9006)	Silver (RAL 9006) Red (RAL3024) - Emergency battery cover	Silver (RAL 9006)
Installation instructions	Please see document 0920-D-00042 at www.raytecled.com		
Battery Care	Please see document 0010-D-00001 at www.raytecled.com		
Spare Part Information	Please contact Raytec for information and spare part availability.		
Dimensions	See dimensional sketches		
Mounting	Via 34-42mm spigot entry. Grub screws provided as standard		
Sustainability	EPD - EPD no. HUB-3730, verified by EPD Hub TM66 Circularity Score - 2.0		

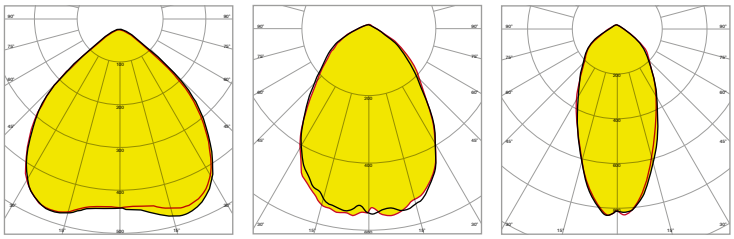
Intelligent Emergency	WL84 Emergency
Function	Self-testing intelligent emergency
System health indicator	Tri-colour LED indicator
Emergency Duration	Up to 3hrs @ 25% power Other options available
Emergency Battery	Ni/Cd 12V
Emergency Charge Time	20 hours

Light Distribution



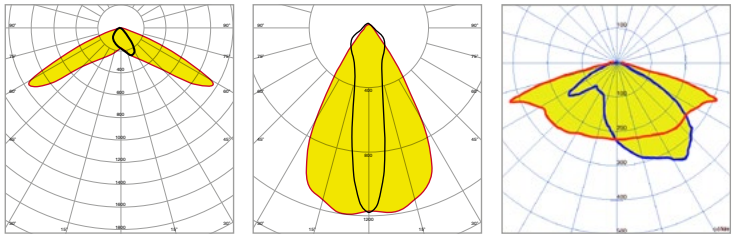
Zone 2 - Standard

Symmetrical Optics



90x90 **60x60** **30x30**

Asymmetrical Optics



Safety Shower - Wide Beam **Aisle - 80x30** **PP3 Optic**

Lumen Output by Beam Pattern

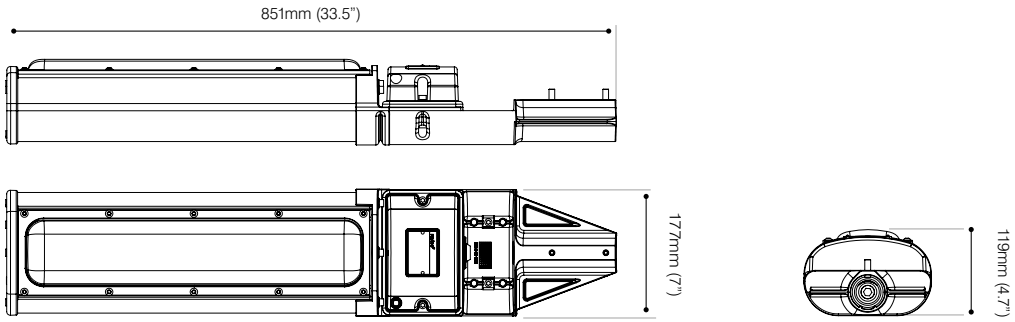
Lumen Output on Mains

Variant	Std	30x30	60x60	80x30	90x90	Diffused	PP3	WB
WL84	3524lm	3443lm	3426lm	3300lm	3431lm	3172lm	3443lm	3426lm
WL168	7048lm	6886lm	6852lm	6600lm	6862lm	6344lm	6886lm	6852lm

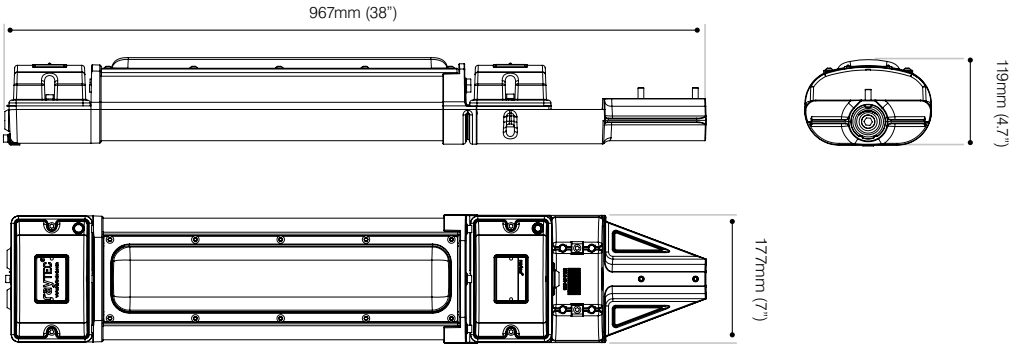
For more information on Lumen Outputs please contact Raytec.
Other beam patterns also available. Please contact Raytec for more information.

Product Dimensions

WL84, WL84 High Output



WL84 Emergency



Part Code Builder

SPARTAN Linear Spigot Zone 2 Family

Standard: Example - SPZ-WL84-EMX25-SP

Family	Model	Emergency/DALI	Mounting	Variant	CCT	Power	Optics	Entry
SPZ	WL84	Not Stated - non-emergency	SP - Spigot	Not Stated - T4 variant	Not Stated - 6500K	Not Stated - 110-254V	Not Stated - standard	Not Stated - M20
		EMX25 - 25% for 3 hours		T6 - T6 variant	4K - 4000K	LV - low voltage non-EM only)	Other optics available - contact Raytec	M25 - M25
		DA - DALI						

High Output: Example - SPZ-WL84-HO-SP

Family	Model	Mounting	DALI	Variant	CCT	Power	Optics	Entry
SPZ	WL84-HO	SP - Spigot	Not Stated - Non DALI	Not Stated - T4 variant	Not Stated - 6500K	Not Stated - 110-254V	Not Stated - standard	Not Stated - M20
			DA - DALI		4K - 4000K		Other optics available - contact Raytec	M25 - M25

SPARTAN Linear Specials



Safety Shower Variants

- Green LED technology designed for use where safety shower units are located.
- Dominant wavelength: 519nm
- Dedicated safety shower optic for maximum visibility

Example ordering code: SPZ-WL84-SP-G
Other options available, contact Raytec for full ordering information.



Wildlife-Friendly Variants

- Amber LED technology designed to protect wildlife in coastal locations or natures reserves.
- Dominant wavelength: 600nm

Example ordering code: SPZ-WL84-SP-4K-A
Other options available, contact Raytec for full ordering information



See SPARTAN Linear Mounting & Accessories Guide for full range of accessories

Disclaimer

The information provided in this document was accurate at the time of its creation. However, due to the evolving nature of our products and continuous improvements, there may be changes or updates that occur after its publication. For the most current and detailed information about our products, please contact our sales team at sales@raytecled.com.