

SPARTAN SPZ LED CID2 Linear Luminaire



Intelligent Emergency Variants



Modular Design

Key components such as the LED and PSU modules are easily accessible for straightforward maintenance and inspection.



Intelligent Emergency

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



Retrofitable

Linear has been designed with the same dimensions, fixing centres and cable entries as traditional fluorescent fittings making it a direct replacement.



Bespoke LED

Raytec are specialists in LEDs and all our products are designed around LEDs with bespoke housing for optimum performance and reliability.

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.



Technical Specifications

SPARTAN Linear WL84



SPARTAN Linear WL168



Certification

UL Rating	UL/CSA Class I Division 2 rated for Gas and Dust
Certification	Class I, Div 2, Gp ABCD T4 Class II, Div 1, Div 2, Gp E,F,G Tamb = -40°C to +55°C Enclosure Type 4X Applicable Standards CSA C22.2 No. 94.2-07, CSA C22.2 No. 25-M1966 CSA C22.2 No. 213-M1987, CSA C22.2 No. 250.13-14 CSA C22.2 No. 141-15, ANSI/ISA 12.12.01-2013, UL 1203 – 5th ed., UL 50E 1st ed UL 8750-1st ed., UL 924 10th ed, UL 844 13th ed
Certificates	UL/CSA, including CID2
ABS Certificate #	#25-0220600-PDA

Electrical

	WL84	WL84 HO	WL84 Emergency	WL84 HO Emergency	WL168	WL168 HO	WL168 Emergency
Input	Standard: 110-254V 50/60Hz AC only Low voltage version: 18- 48V AC and 18-69V DC	110-254V 50/60Hz AC only			Standard: 110-254V 50/60Hz AC only Low voltage version: 18- 48V AC and 18-69V DC	110-254V 50/60Hz AC only	
Power	24W	48W	32W	56W	49W	96W	56W
Termination	Incoming terminal block suitable for looping 4 core 4mm ² cable (6mm ² available - POA)						
Power Factor	>0.95						
Cable Entries	2 x 3/4" NPT cable entries at both ends, through wired as standard (other entries available upon request), dispatched complete with three approved blanking plugs.						

Optical

	Emergency	Emergency	Emergency
Lumen output on mains	See Lumen Output by Optic Table below		
LED type	Platinum Elite SMT LEDs		
Number of LEDs	80		160
CRI	80+		
Colour Temperature	6500K standard		

Mechanical

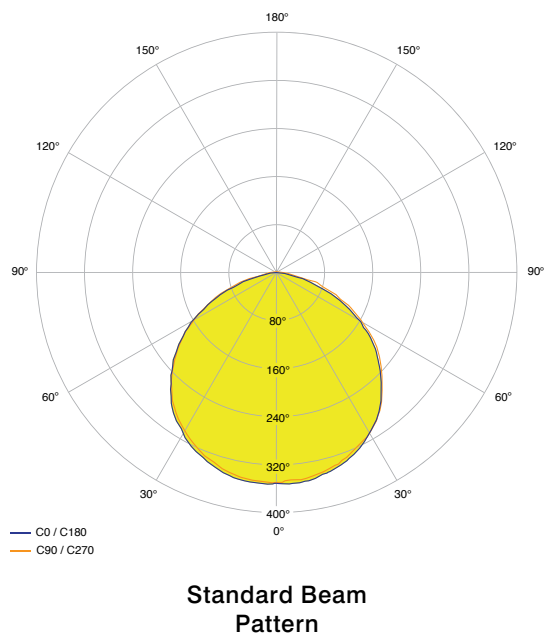
	WL84	WL84 HO	WL84 Emergency	WL84 HO Emergency	WL168	WL168 HO	WL168 Emergency
Burning Position	Universal						
IP Rating	NEMA 4X (IP66 & IP67)						
IK Rating	IK10						
Temperature Range	Standard: -40°F to 131°F (-40°C to 55°C). Emergency variants: -4°F to 122°F (-20°C to 50°C)						
Weight	13.2lbs (6kg)	13.2lbs (6kg)	15.4lbs (7kg)	15.4lbs (7kg)	19.8lbs (9kg)	22lbs (10kg)	22lbs (10kg)

Technical Specifications

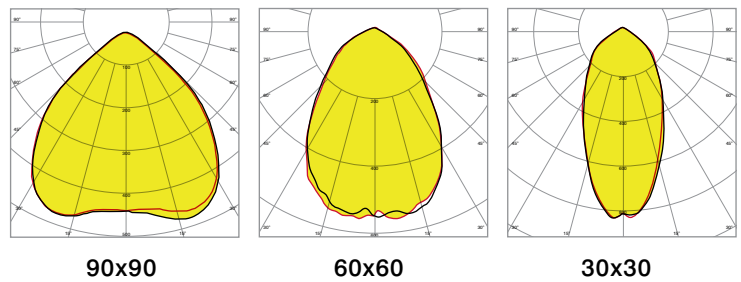
Mechanical	WL84	WL84 HO	WL84 Emergency	WL84 HO Emergency	WL168	WL168 HO	WL168 Emergency
Enclosure	Marine grade aluminium epoxy powder coated, UV stabilised polycarbonate, all external fasteners and brackets are marine grade stainless steel						
Unit Colour	Silver (RAL 9006)	Silver (RAL 9006)	Silver (RAL 9006) Red (RAL3024) - Emergency battery cover	Silver (RAL 9006) Red (RAL3024) - Emergency battery cover	Silver (RAL 9006)	Silver (RAL 9006)	Silver (RAL 9006) Red (RAL3024) - Emergency battery cover
Installation instructions	Please see document 0920-M-0066 at www.rayteclcd.com						
Battery Care	Please see document 0010-D-00001 at www.rayteclcd.com						
Spare Part Information	Please contact Raytec for information and spare part availability.						
Dimensions	See dimensional sketches						
Mounting	Via M8/M6 tapped holes. Various mounting arrangements available (please see product overview guide)						
Sustainability	EPD - EPD no. HUB-3730, verified by EPD Hub TM66 Circularity Score - 2.0						

Intelligent Emergency	WL84 Emergency	WL84 Emergency HO	WL168 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		

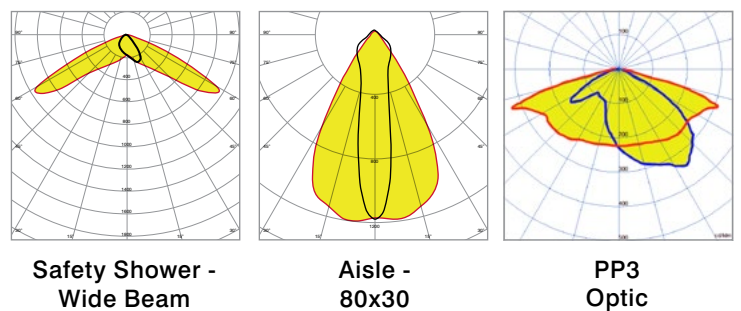
Light Distribution



Symmetrical Optics



Asymmetrical Optics



Lumen Output by Beam Pattern

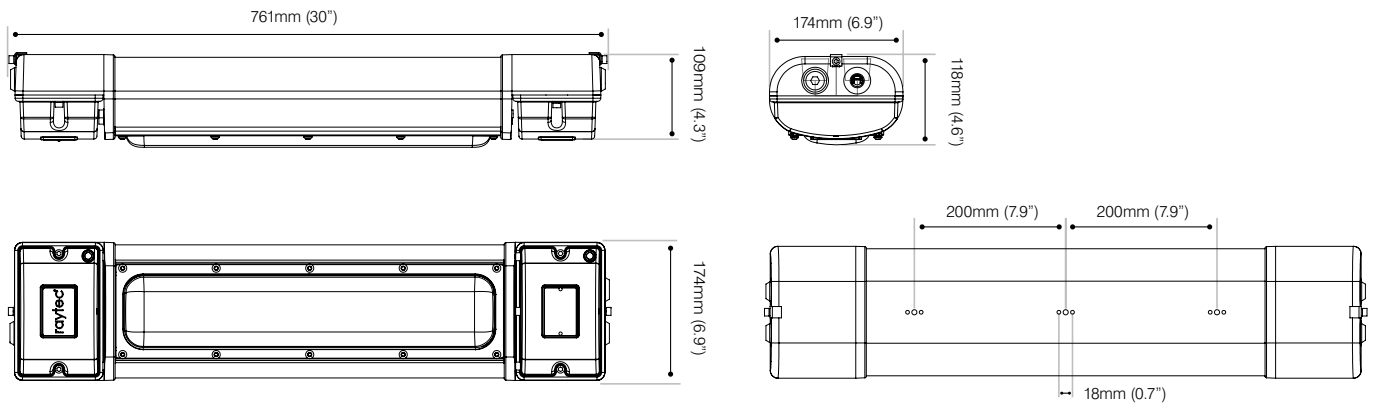
Lumen Output on Mains

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

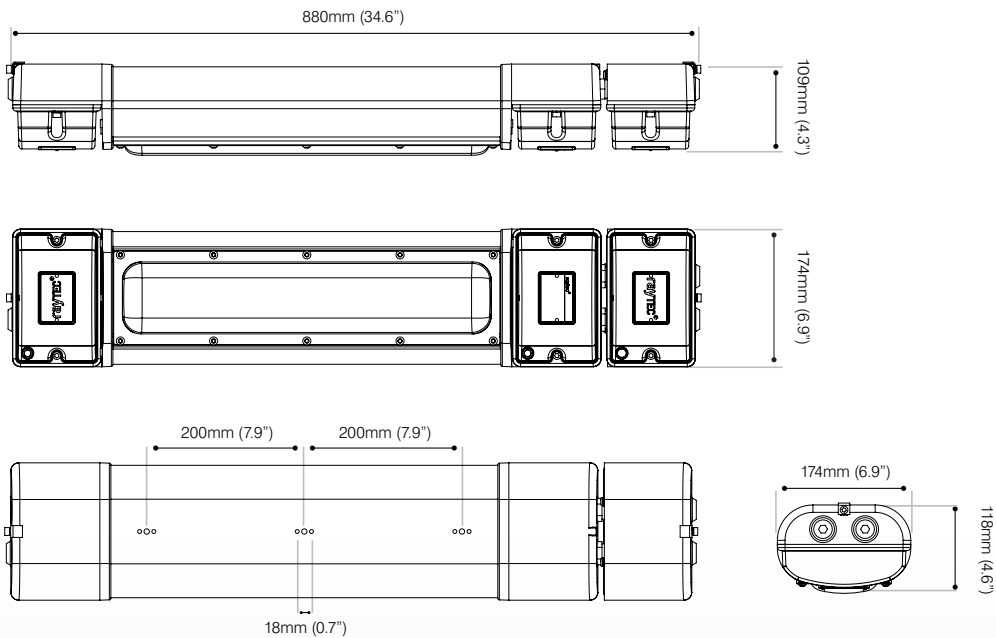
For more information on Lumen Outputs please contact Raytec.
Other beam patterns also available. Please contact Raytec for more information.

Product Dimensions

WL84, WL84 HO, WL84 Emergency

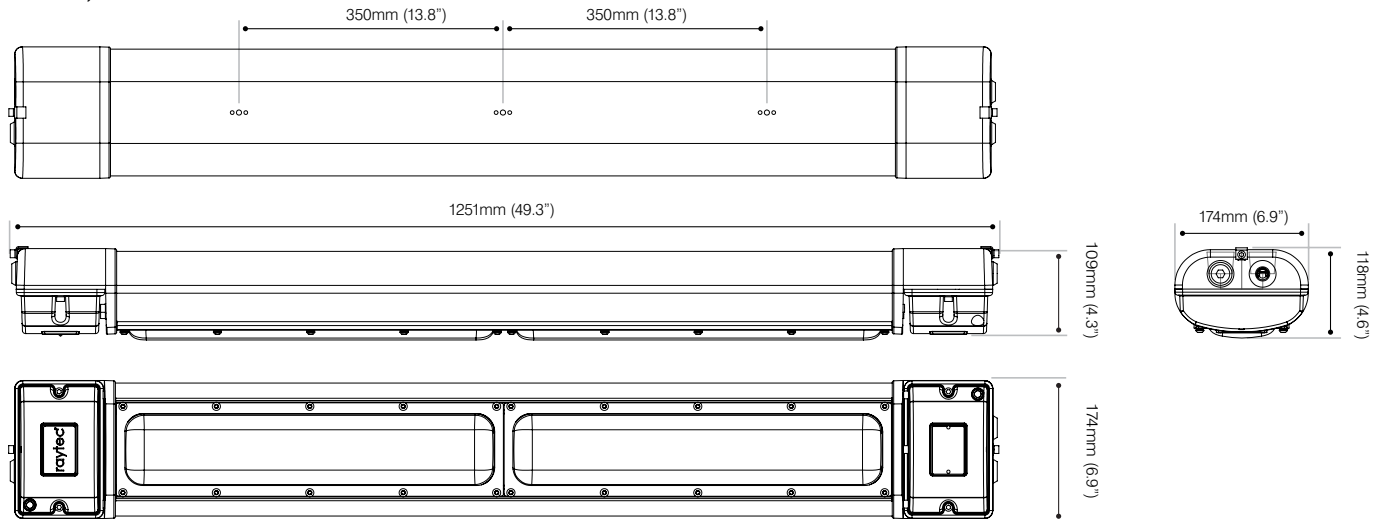


WL84 -HO Emergency

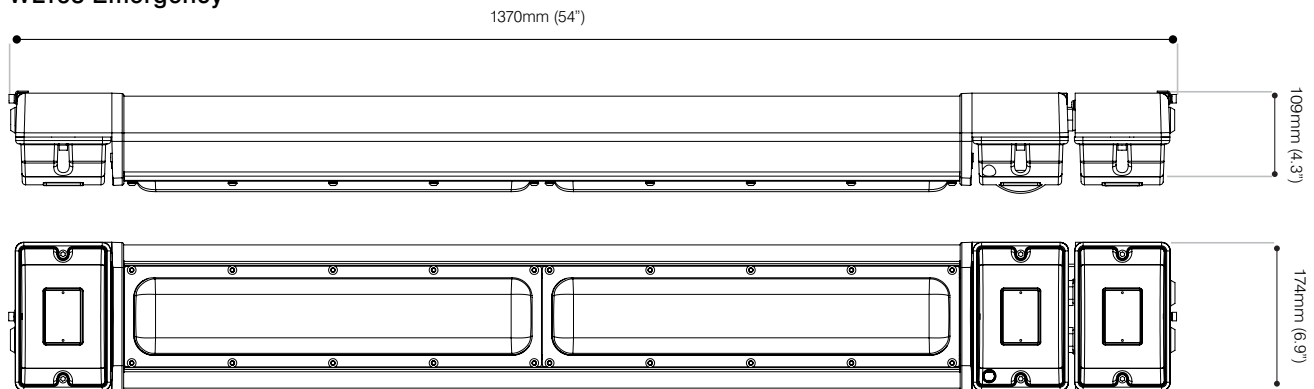


Product Dimensions

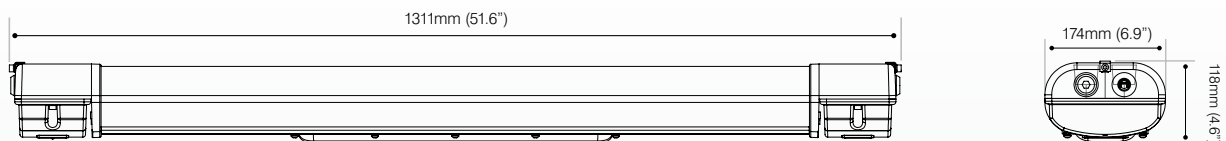
WL168, WL168 HO



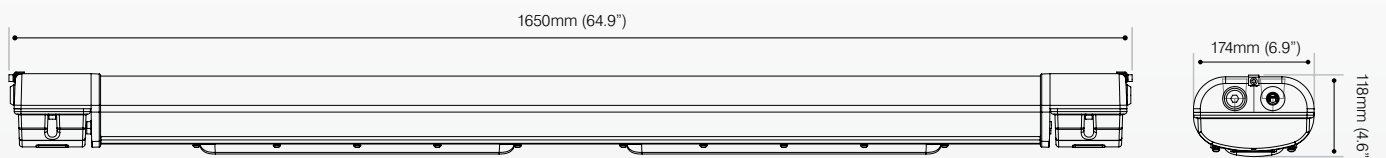
WL168 Emergency



WL84 - 1200, WL84 - 1200 Emergency



WL168 - 1500



SPARTAN Linear Models with 200mm mounting points:

WL84 / WL84 Emergency

SPARTAN Linear Models with 350mm mounting points:

WL168 / WL168 Emergency / WL84-1200 / WL84-1200 Emergency / WL168-1500

Part Code Builder

SPARTAN Linear

Standard: Example - SPZ-WL84-EMX25-CID2

Family	Model	Emergency	Variant	CCT	Power	Optics	Entry
SPZ	WL84	NOT STATED - Non EM	CID2	Not Stated - 6500K	Not Stated - 110-254V	Not Stated - Standard	Not Stated - 3/4" NPT
	WL168	EMX25 (25% for 3 hours)		4K - 4000K	LV - Low Voltage (Non EM only)	Other optics available - please contact Raytec	M25
	WL84-1200						M20
	WL168-1500						

SPARTAN High Output Linear

Example - SPZ-WL84-HO-CID2

Family	Model	Emergency	Variant	CCT	Power	Optics	Entry
SPZ	WL84-HO	Not Stated - Non EM	CID2	Not Stated - 6500K	Not Stated - 110-254V	Not Stated - Standard	Not Stated - 3/4" NPT
	WL168-HO	EMX25 - (25% for 3 hours) (WL84 only)		4K - 4000K		Other optics available - please contact Raytec	M25
							M20

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-WL168-G

Other options available, contact Raytec for full ordering information.



Wildlife-Friendly Variants

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

Example ordering code: SPZ-WL168-4K-A

Other options available, contact Raytec for full ordering information



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