SPARTAN LED
CID2 SPX Floodlight

Robust and Durable

Designed from marine grade aluminium and able to withstand the most extreme environments.

Bespoke LED

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

Easy Maintenance

Featuring a unique modular design, key components such as the LED and PSU modules are easily accessible for straightforward maintenance and inspection.

Beam Angles

Available in a range of different beam patterns, both circular and elliptical.

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

Raytec Global (excluding Americas): +44 (0) 1670 52055 • sales@raytecled.com
Raytec Americas: +1 613 270 9990 • ushazsales@raytecled.com

Technical Specifications

Certification

UL Rating	UL/CSA Class I Division 2 rated for Gas and Dust
Certification	Class I, Div. 2 Gr ABCD T5 Class II, Div. 1, Div. 2 Gr EFG Tamb" -50˚C to + 55˚C(Standard), or Enclosure Type 4X Applicable Standards CSA C22.2 No. 94.2-07 CSA C22.2 No. 25-1996 CSA C22.2 No. 213-2016 CSA C22.2 No. 250.13-14 CSA C22.2 No. 141-15 UL 50E 1st edition ANS/ISA-12.12.01-2015 UL 8750 2nd edition UL 1203 5th edition UL 844 13th edition UL 924 10th edition
File Number	E115626
ABS Certificate #	#25-0220600-PDA

Electrical

	FL24	FL48
Input	110-254V 50/60Hz AC only Low voltage: 18-48V AC and 18-69V DC	110-254V 50/60Hz AC only Low voltage: 18-48V AC and 18-69V DC
Power	68W	136W
Termination	Incoming terminal block suitable for looping 4 core 4mm² cable (6mm² available - POA)	
Power Factor	>0.95	
Cable Entries	2x 3/4" NPT as standard (supplied with one approved blanking plug)	

Optical

	FL24	FL48
Beam Patterns - Circular	10°x 10° or 30°x 30° or 50°x 50° or 120°x 120°	
Beam Patterns - Elliptical	35°x 10° or 60°x 25° or 80°x 30° or 120°x 50° (VARIO)	
Lumen output on mains	10°x10° - 9304lm 30°x30° - 8502lm 35°x10° - 8248lm 50°x50° - 8700lm 60°x25° - 8140lm 80°x30° - 7948lm 120°x50° - 7112lm 120°x120° - 6174lm	10°x10° - 18608lm 30°x30° - 17004lm 35°x10° - 16496lm 50°x50° - 17400lm 60°x25° - 16280lm 80°x30° - 15896lm 120°x50° - 14224lm 120°x120° - 12348lm
LED type	Platinum Elite SMT LEDs	
Number of LEDs	24	48
CRI	70+	
Colour Temperature	6500K as standard (other CCTs available)	

Mechanical

	FL24	FL48
Burning Position	Universal	
IP Rating	NEMA 4X (IP66/IP67)	
Temperature Range	- 58°F to +131°F (- 50°C to +55°C)	
Weight	17.6lbs (8kg)	35.3lbs (16kg)
Enclosure	Marine grade aluminium epoxy powder coated, toughened glass, all external fasteners and brackets are marine grade stainless steel	
Unit Colour	Silver (RAL 9006)	Silver (RAL 9006)
Installation Instructions	Please see document 0910-M-0154 at www.raytecled.com	
Spare Part Information	Please contact Raytec for information and spare part availability	
Dimensions	291 x 312 x 150mm (11.5 x 12.3 x 6")	291 x 502 x 158mm (11.5 x 19.8x 6.2")
Mounting	U bracket (as shown on next page)	

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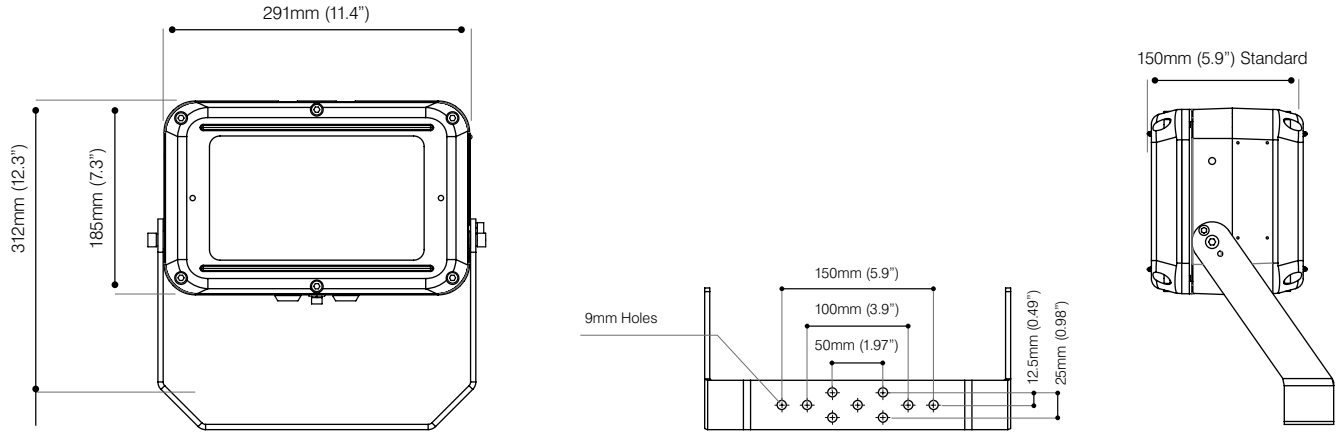
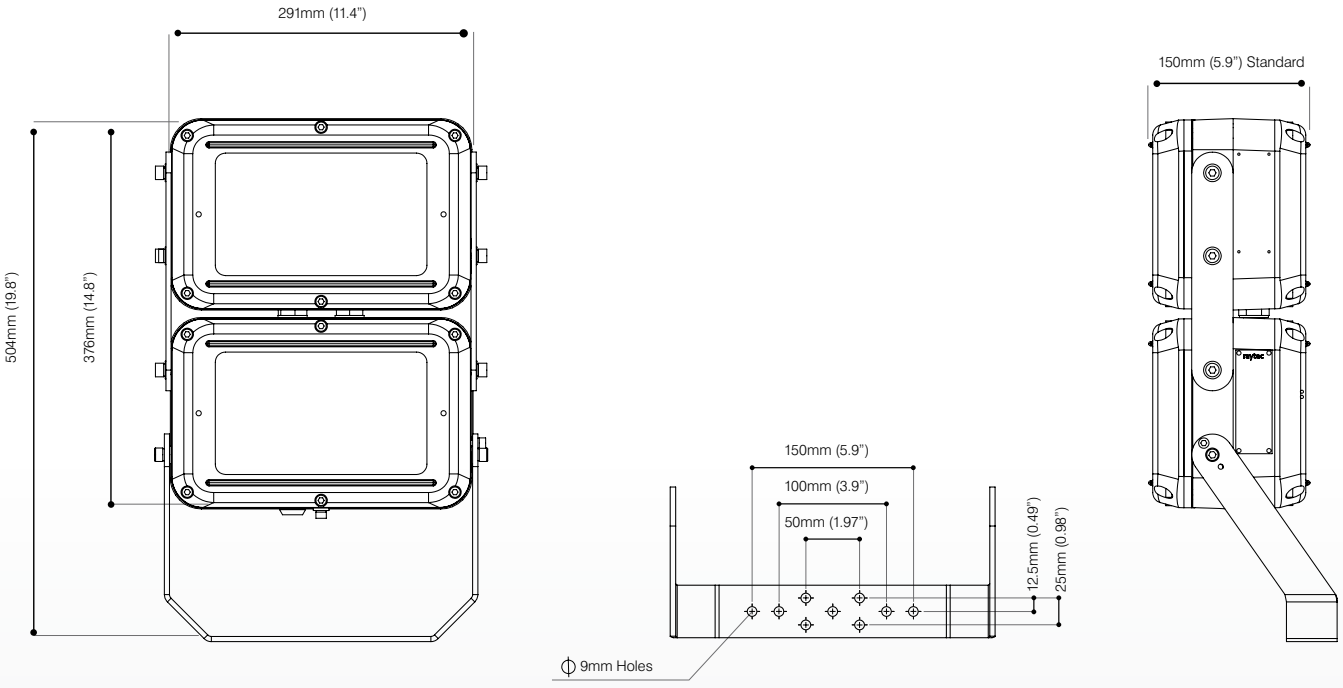
Product Dimensions

FL24



FL48



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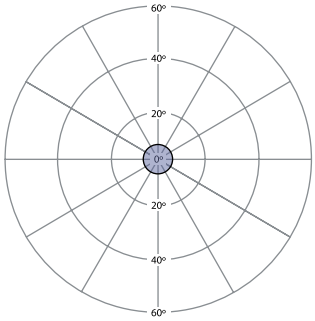
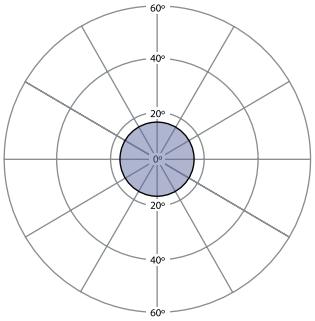
Beam patterns - Circular

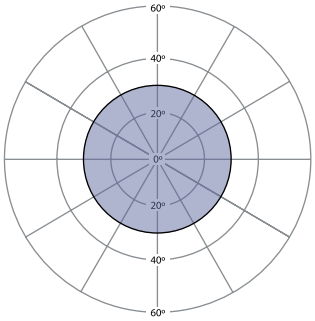
10° x 10°



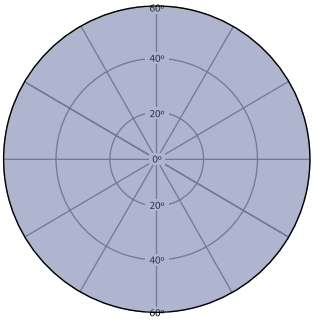
30° x 30°



50° x 50°

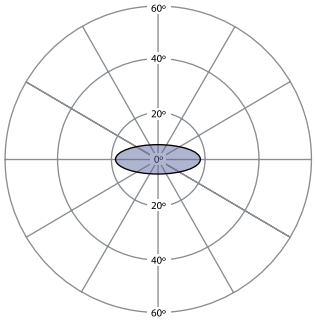


120° x 120°

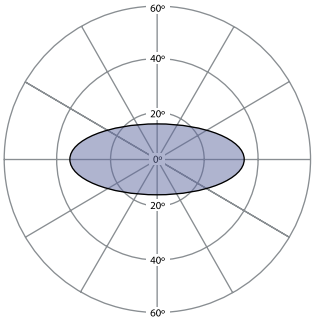


Beam patterns – Elliptical (VARIO)

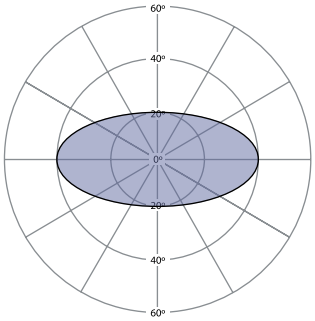
35° x 10°



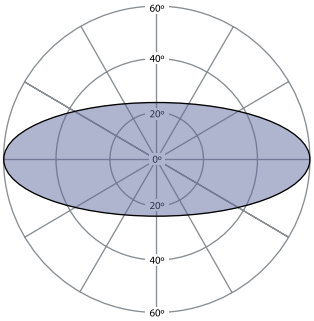
60° x 25°



80° x 30°



120° x 50°



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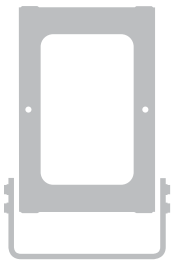
Part Code Builder

CID2

Example - SPX-FL24-W-1010-CID2							
Family	Model	Light Type	Optic	Variant	CCT	Power	Entry
SPX	FL24	W - White Light	1010	CID2	Not Stated	Not Stated - Standard Mains	Not Stated - 3/4" NPT
	FL48	I - Infra-Red	3030		4K - 4000k	LV - Low Voltage (Non EM only)	M20
			5050				M25
			120120				
			3510				
			6025				
			8030				
			12050				

Other options available, contact Raytec.

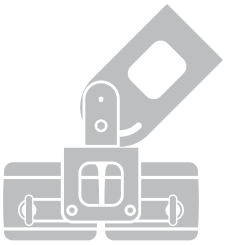
Products in the SPARTAN Family



SPARTAN Flood

SPARTAN Linear

SPARTAN Bulkhead



SPARTAN Crane

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.

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