SPARTAN LED
CID2 SPZ Flood BL24 Light











Bespoke LED

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

Robust and Durable

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

Beam Angles

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

Intelligent Emergency

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

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) 01670 520055 • sales@raytecled.com
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www.raytecled.com

0940-D-00023-rev 2

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(SPZ-BL24), or Tamb: -20˚C to + 55˚C (SPZ-BL24-emergency) 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
Certificates	E115626
ABS Certificate #	ABS Certificate # 23-2432337-PDA

Electrical

	BL24	BL24-HO	BL24 EMX25	BL24-HO EMX25
Input	110-254V 50/60Hz AC only Low voltage: 18-48V AC and 18-69V DC		110-254V 50/60Hz AC only	
Power	20W	34W	24W	37W
Termination	110-254V 50/60Hz AC only			
Power Factor	>0.9			
Cable Entries	4 x 3/4" NPT as standard (other entries available upon request), dispatched complete with three approved blanking plug			

Optical

	BL24	BL24-HO	BL24 EMX25	BL24-HO EMX25
Beam Patterns - Circular	10°x 10° or 30°x 30° or 50°x 50° or 80°x 80° or 120°x 120° (10°x 10° option can be upgraded to Vario Technology)			
Beam Patterns - Elliptical	35°x 10° or 60°x 25°or 80°x 30° or 120°x 50° (VARIO)			
Lumen output on mains	Up to 2,500 lm – circular beam patterns 2,250 lm – elliptical beam patterns (VARIO)	Up to 4,650 lm – circular beam patterns 4,100 lm – elliptical beam patterns (VARIO)	Up to 2,500 lm – circular beam patterns 2,250 lm – elliptical beam patterns (VARIO)	Up to 4,650 lm – circular beam patterns 4,100 lm – elliptical beam patterns (VARIO)
LED type	Platinum Elite SMT LEDs			
Number of LEDs	24			
CRI	80+			
Colour Temperature	6500K standard			

Mechanical

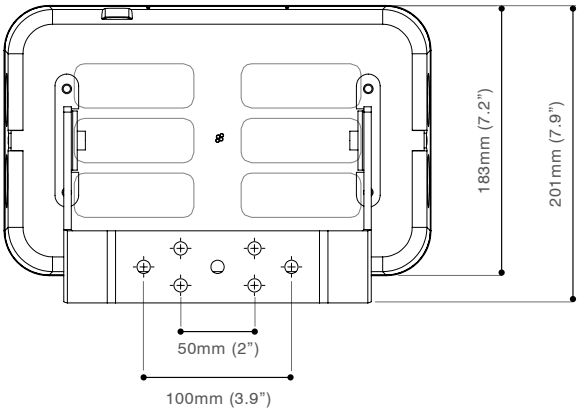
	BL24	BL24-HO	BL24 EMX25	BL24-HO EMX25
Burning Position	Universal			
IP Rating	NEMA 4X (IP66 & IP67)			
Temperature Range	- 58°F to + 131°F (- 50°C to + 55°C)		- 4°F to + 131°F (- 20°C to + 55°C)	
Weight	11.0lbs (5kg)		13.2lbs (6kg)	
Enclosure	Marine grade aluminium epoxy powder coated, toughened glass, all external fasteners and brackets are marine grade stainless steel			
Unit Colour	Silver (RAL 9006)			
Installation instructions	Please see document 0940-M-0033 at www.raytecled.com			
Battery care instructions	Please see document 0010-D-00001 at www.raytecled.com			
Dimensions	See Dimensional Sketches			
Mounting	Comes complete with stainless steel brackets (as shown on next page). Other options available			

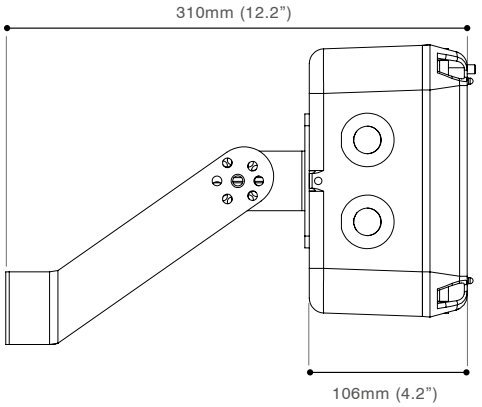
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Technical Specifications - Continued

Intelligent Emergency	BL24 EMX25	BL24-HO EMX25
Function	Self-testing intelligent emergency	
System health indicator	Tri-colour LED indicator	
Emergency Duration	Up to 3hrs @ 25% power Other options available	
Emergency Battery	2.5 Ah	
Emergency Charge Time	20 hours	

Product Dimensions

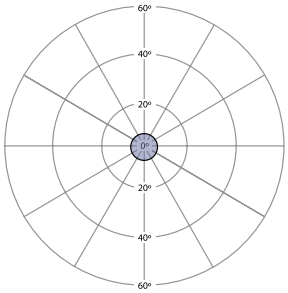




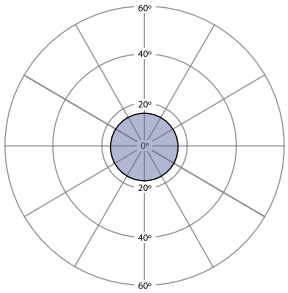
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Beam patterns - Circular

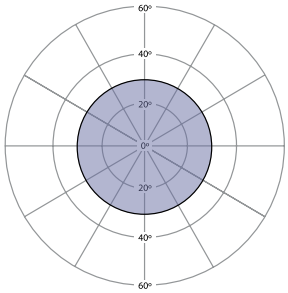
10° x 10°



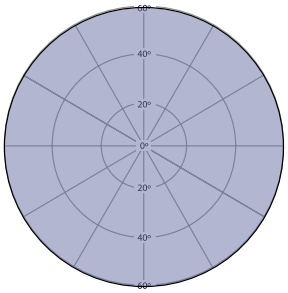
30° x 30°



50° x 50°

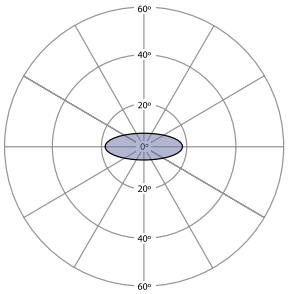


120° x 120°

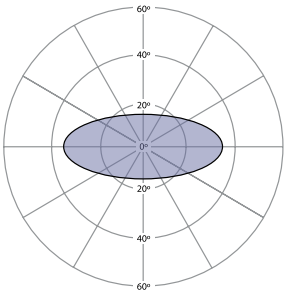


Beam patterns – Elliptical (VARIO)

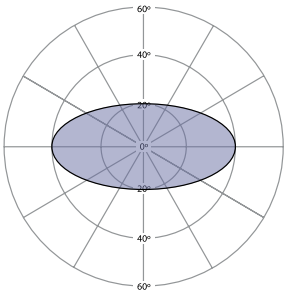
35° x 10°



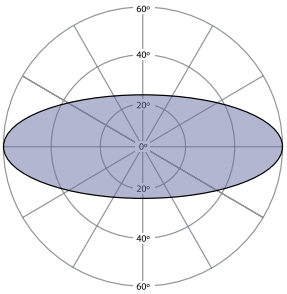
60° x 25°



80° x 30°



120° x 50°



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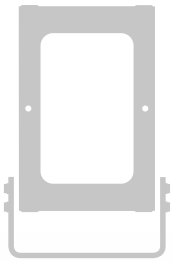
Part Code Builder

SPARTAN Flood BL24

Example - SPZ-BL24-W-5050-SB30									
Family	Model	Light Type	Optic	Emergency	Variant	CCT	Power	Entry	Mounting
SPZ	BL24	W - White Light	120120	Not Stated - Non EM	CID2	Not Stated - 6500K	Not Stated - Standard Mains	Not Stated - 3/4" NPT	SB30 - Stirrup Mount (floodlight 30°)
	BL24-HO		12050	EMX25 (3 hour)		4K - 4000K	LV - Low Voltage (Non EM only)	M25	
			1010				LO - Low Output (12W)	M20	
			3030						
			5050						
			50120						
			8030						
			6025						
			3510						

*Other options available, please contact Raytec for more information

Products in the SPARTAN Family



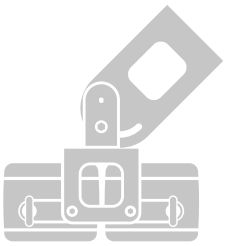
SPARTAN Flood



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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