

SPARTAN LED  
CID2 SPZ Bulkhead



**Compact Design**

The compact, low profile design is ideal for applications where space is restricted.



**Robust and Durable**

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



**Easy Maintenance**

Featuring a unique modular design, key components are easily accessible for straightforward maintenance and inspection.



**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.



# 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: -40°C to + 55°C(Standard), or Tamb: -20°C to + 55°C (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	LR1311-1R6
ABS Certificate #	ABS Certificate # 20-1990083-PDA

## Electrical

	BL24	BL24 EMX25
Input	110-254V 50/60Hz AC only Low voltage: 18-48V AC and 18-69V DC	110-254V 50/60Hz AC only
Power	34W	37W
Termination	Incoming terminal block suitable for looping 4 core 4mm <sup>2</sup> cable (6mm <sup>2</sup> available - POA)	
Power Factor	>0.95	
Cable Entries	4x 3/4" NPT as standard (other entries available upon request), dispatched complete with three approved blanking plugs	

## Optical

	BL24	BL24 EMX25
Beam Patterns - Circular	10°x 10° or 30°x 30° or 50°x 50° or 120°x 120° (10 x 10 option can be upgraded to Vario Technology)	10°x 10° or 30°x 30° or 50°x 50° 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)	35°x 10° or 60°x 25° or 80°x 30° or 120°x 50° (VARIO)
Lumen output on mains	2,750 lm – circular beam patterns 2,500 lm – elliptical beam patterns (VARIO)	2,750 lm – circular beam patterns 2,500 lm – elliptical beam patterns (VARIO)
LED type	Platinum Elite SMT LEDs	Platinum Elite SMT LEDs
Number of LEDs	24	24
CRI	80+	80+
Colour Temperature	6500K standard	6500K standard

## Mechanical

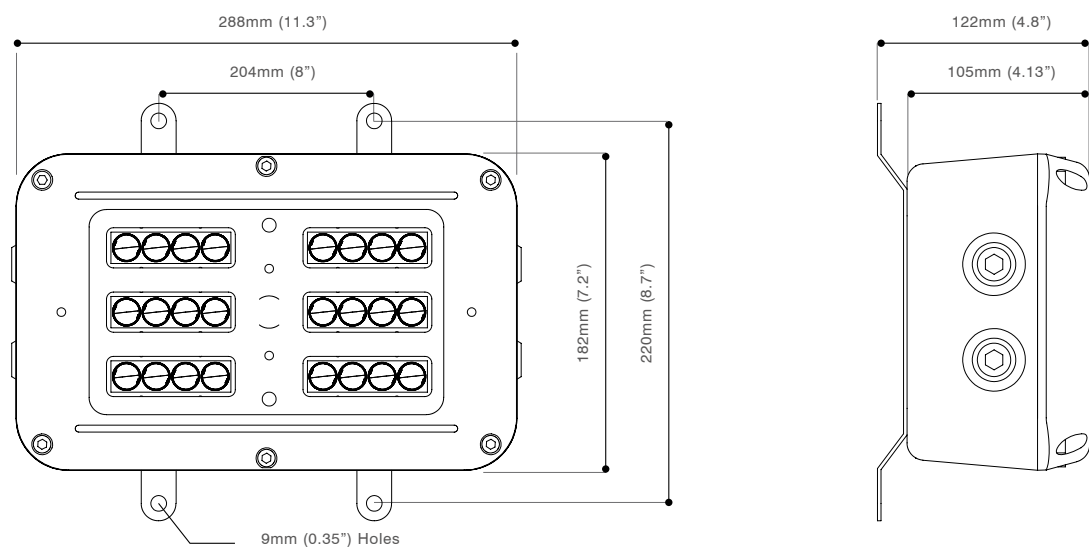
	BL24	BL24 EMX25
Burning Position	Universal	Universal
IP Rating	IP66 & IP67	IP66 & IP67
Temperature Range	- 50°C to +55°C (-58°F to + 131°F)	- 20°C to +55°C (-4°F to + 131°F)
Weight	5kg (11.0lbs)	6kg (13.2lbs)
Enclosure	Marine grade aluminium epoxy powder coated, toughened glass, all external fasteners and brackets are marine grade stainless steel	
Unit Colour	Silver (RAL 9006)	Silver (RAL 9006)
Installation instructions	Please see document 940-M-0033 at <a href="http://www.rayteclcd.com">www.rayteclcd.com</a>	
Battery care instructions	Please see document 0010-D-00001 at <a href="http://www.rayteclcd.com">www.rayteclcd.com</a>	
Dimensions	See Dimensional Sketches	
Mounting	Comes complete with stainless steel brackets (as shown on next page). Other options available	

## Technical Specifications - Continued

Intelligent Emergency	BL24 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

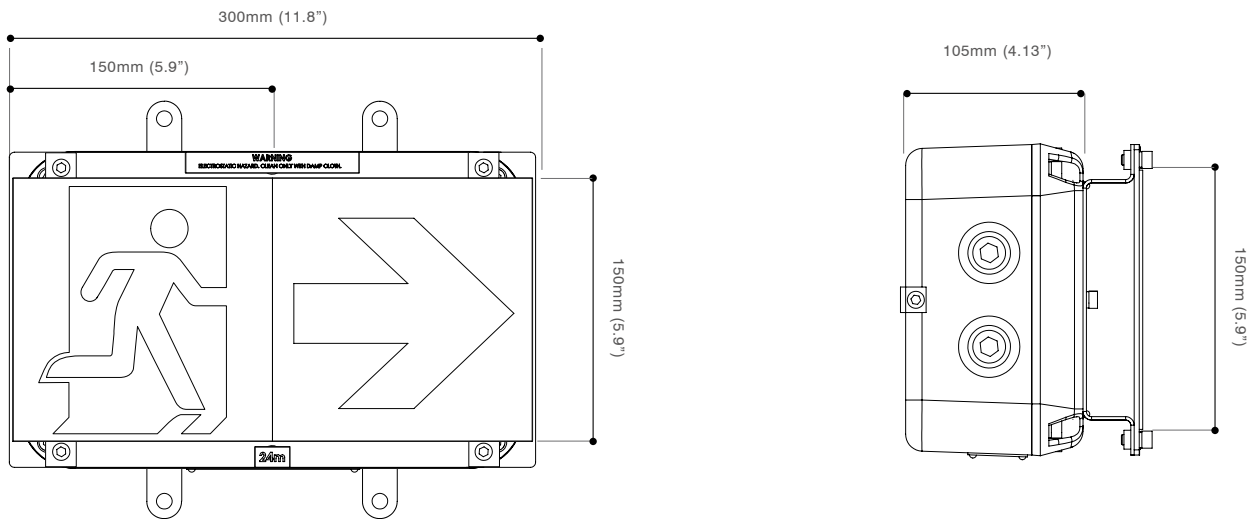
## Product Dimensions

### BL24, BL24-EMX



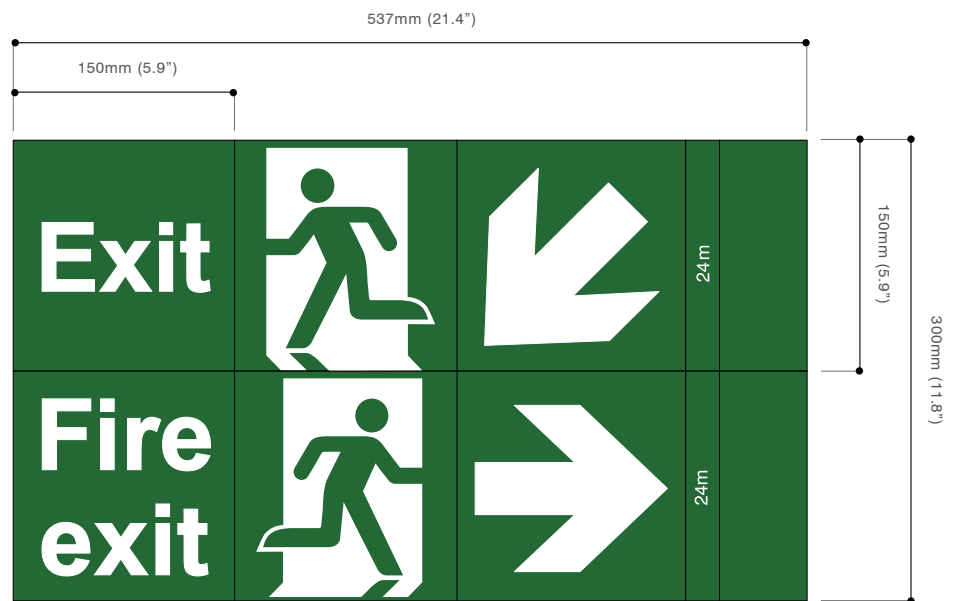
## Product Dimensions - Continued

### BL24 Exit Sign



### Exit Sign Kit Contents

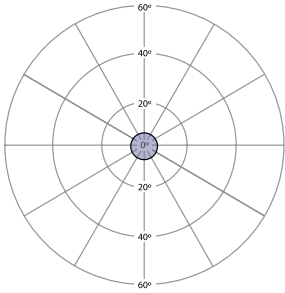
- 2 max viewing distance indicator labels 150x12mm supplied with each kit
  - 2 blanking pieces 150x75mm supplied with each kit
  - 6 pre-cut self-adhesive graphics 150x150mm supplied on one sheet as shown
- 48 different combinations available  
Other languages available - contact Raytec



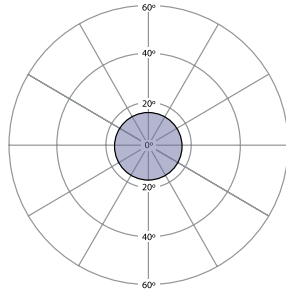
Lines for illustration purposes only

## Beam patterns - Circular

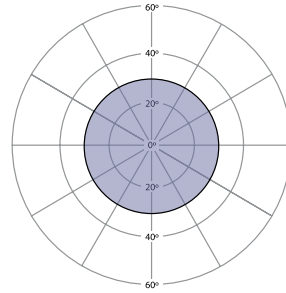
10° x 10°



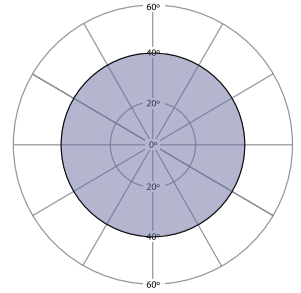
30° x 30°



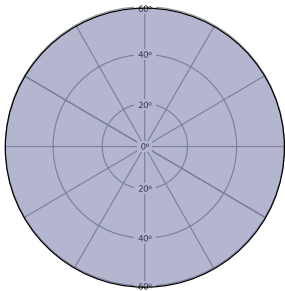
50° x 50°



80° x 80°

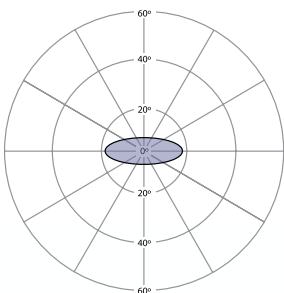


120° x 120°

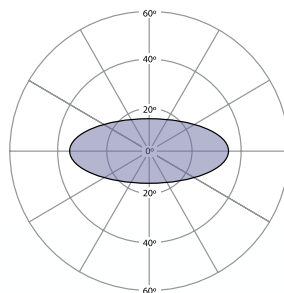


## Beam patterns – Elliptical (VARIO)

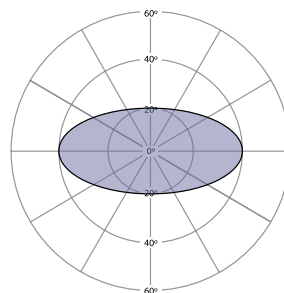
35° x 10°



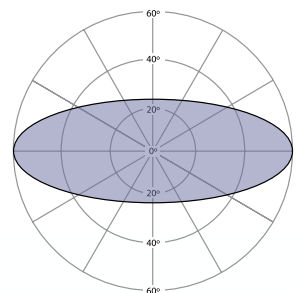
60° x 25°



80° x 30°



120° x 50°



# Part Code Builder

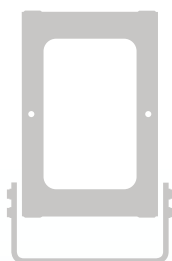
## SPARTAN Bulkhead

Example - SPZ-BL24-W-120120

Family	Model	Light Type	Optic	Emergency	CCT	Power	Entry	Mounting
SPZ	BL24	W - White Light	120120	NOT STATED - Non EM	Not Stated - 6500K	Not Stated - Standard Mains	Not Stated - 3/4" NPT	Not stated - Standard Wall Brackets
			12050	EMX25 (3 hour)	4K - 4000K	LV - Low Voltage (Non EM only)		SP - Spigot Mount
			1010			LO - Low Output (12W)		EXIT - c/w Exit Sign Kit
			3030					
			5050					
			8080					
			50120					
			8030					
			6025					
			3510					
			10155 (SP only)					

\*Other options available, please contact Raytec for more information

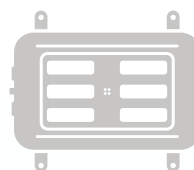
## Products in the SPARTAN Family



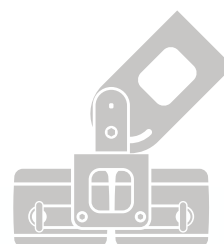
SPARTAN Flood



SPARTAN Linear



SPARTAN Bulkhead



SPARTAN Crane