SPARTAN LED
Zone 2/22 SPZ Bulkhead

FSE SAFE
Singapore | Dubai

Intelligent Emergency Variants

Fire exit →

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.

5 YEAR WARRANTY

Technical Specifications

Certification

ATEX Rating	ATEX UKCA and IEC Ex rated for Gas and Dust
Hazardous Area Rating	Zone 2 (Gas), Zone 22 (Dust)
Certificates	CML 17ATEX4231, IEC Ex CML17.0135 & CML21UKEX4106
Gas	II 3 G D Ex ec mc IIC T4 Gc Ta= Up to -50°C to +55°C (-20°C to +55°C for emergency variants)
Dust	Ex tc IIIC T98°C Dc Ta= Up to -50°C to +55°C (-20°C to +55°C for emergency variants) IP66 & IP67
ABS Certificate #	ABS Certificate # 20-1990083-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 Extra low voltage: 12V AC/DC		110-254V 50/60Hz AC only	
Power	20W	34W	24W	37W
Termination	Incoming terminal block suitable for looping 4 core 4mm² cable (6mm² available - POA)			
Power Factor	>0.9			
Cable Entries	4xM20 as standard (other entries available upon request), dispatched complete with three ATEX/UKEX/IEC Ex 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	2,500 lm – circular beam patterns 2,250 lm – elliptical beam patterns (VARIO)	4,650 lm – circular beam patterns 4,100 lm – elliptical beam patterns (VARIO)	2,500 lm – circular beam patterns 2,250 lm – elliptical beam patterns (VARIO)	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	IP66 & IP67			
Temperature Range	- 50°C to + 55°C		- 20°C to + 46°C	
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)			
Installation instructions	Please see document 0940-D-00007 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			

Technical Specifications - Continued

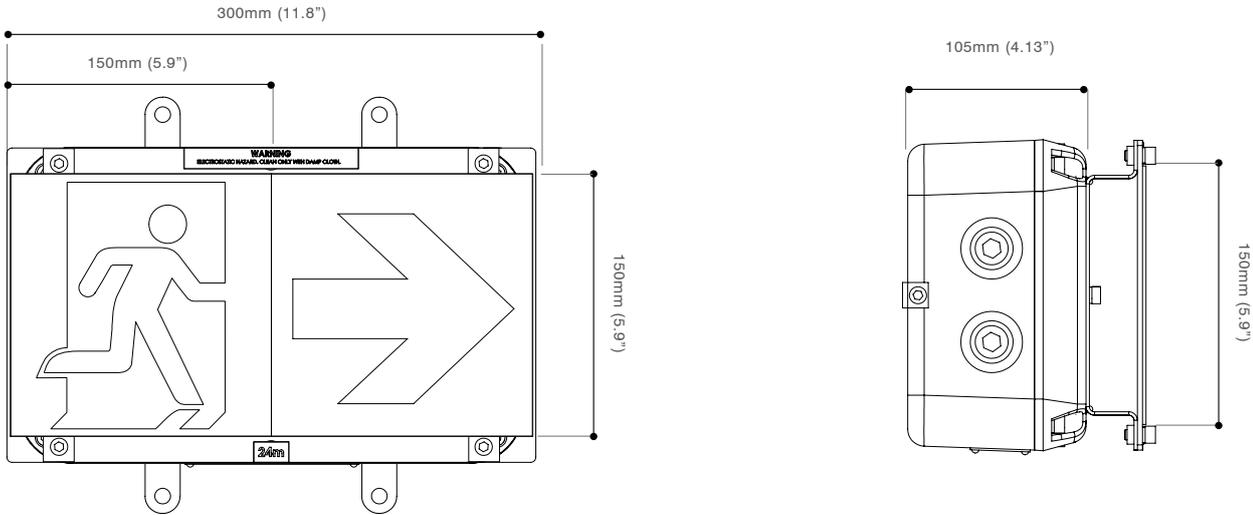| Intelligent Emergency	BL24 EMX25	BL24-HO EMX25
Function	Self-testing intelligent emergency	Self-testing intelligent emergency
System health indicator	Tri-colour LED indicator	Tri-colour LED indicator
Emergency Duration	Up to 3hrs @ 25% power Other options available	Up to 3hrs @ 25% power Other options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

Product Dimensions

BL24, BL24-EMX

288mm (11.3")

204mm (8")

182mm (7.2")

220mm (8.7")

9mm (0.35") Holes

122mm (4.8")

105mm (4.13")
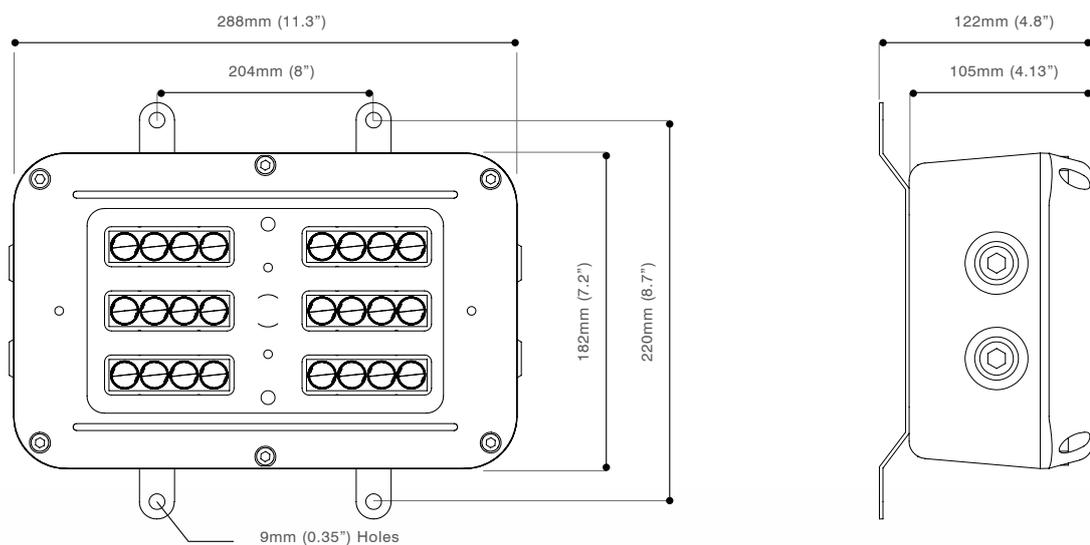
Product Dimensions - Continued

BL24 Exit Sign

300mm (11.8")

150mm (5.9")

WARNING
ELECTROSTATIC HAZARD. CLEAN ONLY WITH DAMP CLOTH.

24m

150mm (5.9")

105mm (4.13")

150mm (5.9")

537mm (21.4")

150mm (5.9")

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

Exit **Fire exit** 24m 24m

150mm (5.9")

300mm (11.8")
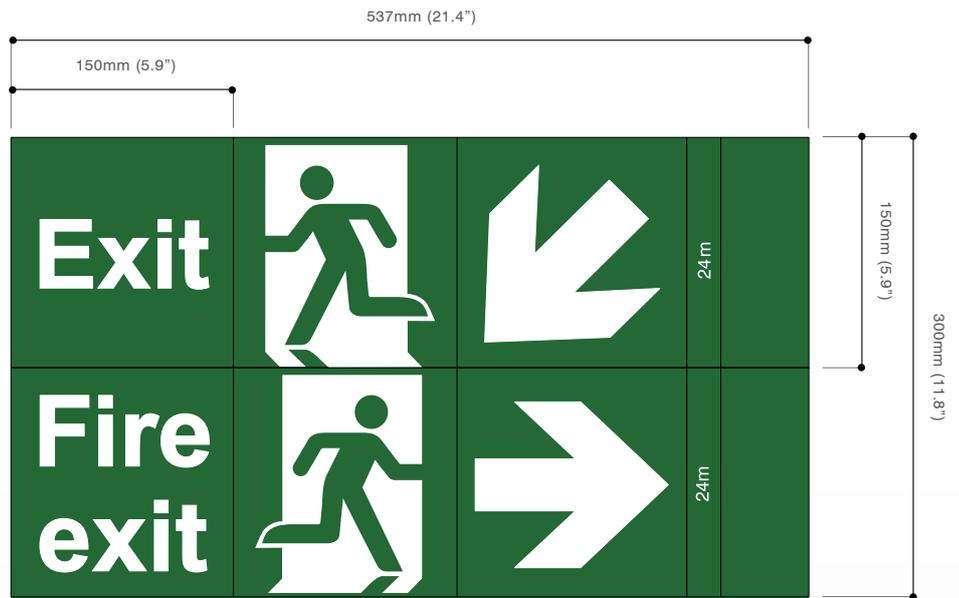
Lines for illustration purposes only

Beam patterns - Circular

10° x 10°
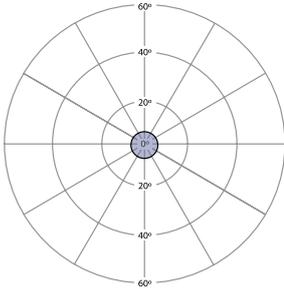
30° x 30°
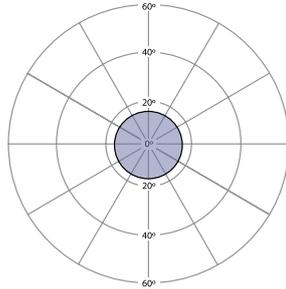
50° x 50°
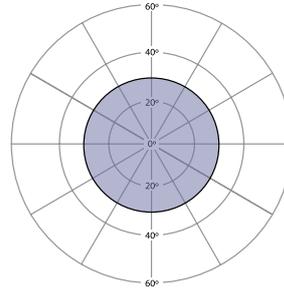
80° x 80°
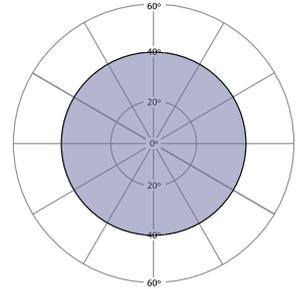
120° x 120°
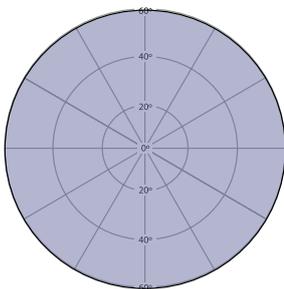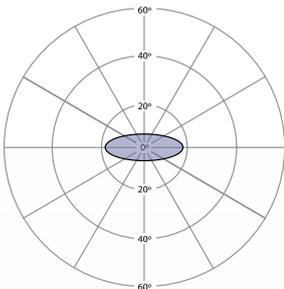
Beam patterns – Elliptical (VARIO)

35° x 10°

60° x 25°
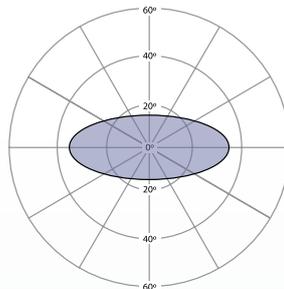
80° x 30°
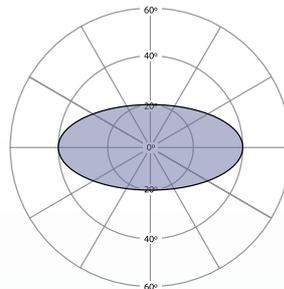
120° x 50°
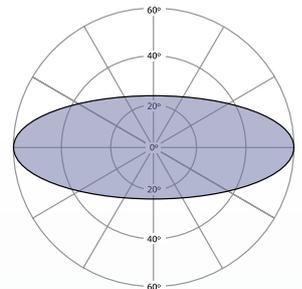
Part Code Builder

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 - M20	Not stated - Standard Wall Brackets
	BL24-HO		12050	EMX25 (3 hour)	4K - 4000K	LV - Low Voltage (Non EM only)	M25	SP - Spigot Mount
			1010			ELV - Extra Low Voltage (Non EM only)		EXIT - c/w Exit Sign Kit
			3030			LO - Low Output (12W)		
			5050					
			8080					
			50120					
			8030					
			6025					
			3510					
			10155 (SP only)					

*Other options available, please contact Raytec for more information
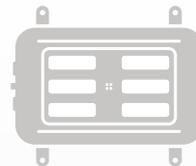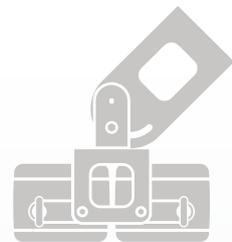
Products in the SPARTAN Family
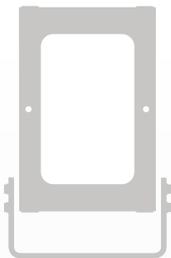
SPARTAN Flood

SPARTAN Linear

SPARTAN Bulkhead

SPARTAN Crane