SPARTAN LED
Zone 1/21 SPX Bulkhead

rayTEC

Intelligent Emergency Variants

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

Controllable
DALI 2.0 Dimmable as an option on non emergency variants for precise and flexible control of lighting assets.

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

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 1 (Gas), Zone 21 (Dust)
Certificates	CML 13ATEX3007, IEC Ex CML14.0001 & CML21UKEX3099
Gas	II 2 G D Ex eb mb IIC T4 Gb Ta= Up to -50°C to +55°C (-20°C to +46°C for emergency variants)
Dust	Ex tb IIIC T98°C Db Ta= Up to -50°C to +55°C (-20°C to +46°C for emergency variants) IP66 & IP67
ABS Certificate #	#25-0220600-PDA

Electrical

	BL24	BL24-HO	BL24 EMX25	BL24-HO EMX25
Input	Standard: 110-254V AC or DC 50/60/0Hz Optional: 110-277 50/60hz Low voltage: 18-48V AC and 18-69V DC		110-254V 50/60Hz AC only	
Power	15W	26W	19W	33W
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			
DALI	Non-emergency products are available as DALI 2.0 enabled as an option. In these variants terminals are provided for loop in/loop out 2 core control cable			

Optical

	BL24	BL24-HO	BL24 EMX25	BL24-HO EMX25
Beam Patterns	See beam angle options below			
Lumen output on mains	Up to 2,274 lm	Up to 3,979	Up to 2,274 lm	Up to 3,979
LED type	Platinum Elite SMT LEDs			
Number of LEDs	96			
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 (- 58°F to + 131°F)		- 20°C to + 46°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)			
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			
Spare Part Information	Please contact Raytec for information regarding spare part availability			
Dimensions	See Dimensional Sketches			
Mounting	Comes complete with stainless steel brackets (as shown on next page). Other options available			

Technical Specifications - Continued

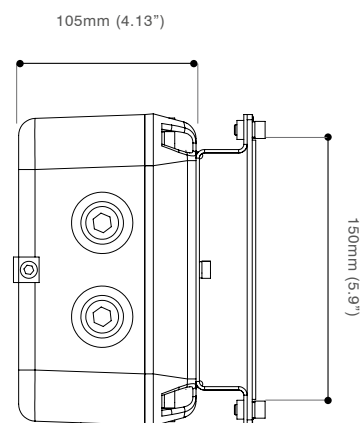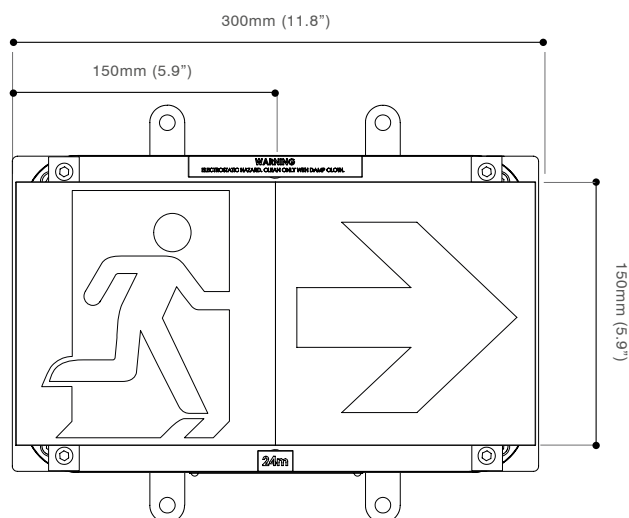| Intelligent Emergency	BL24 EMX25	BL24-HO EMX25
Function	Self-testing intelligent emergency	
System health indicator	Tri-colour LED indicator	
Emergency Duration	Up to 3hrs @ 25% power Other options available	
Emergency Battery	2.5 Ah	
Emergency Charge Time	20 hours	

Product Dimensions

BL24, BL24-EMX
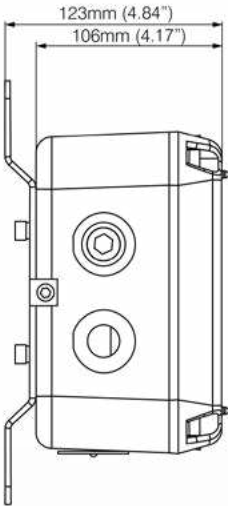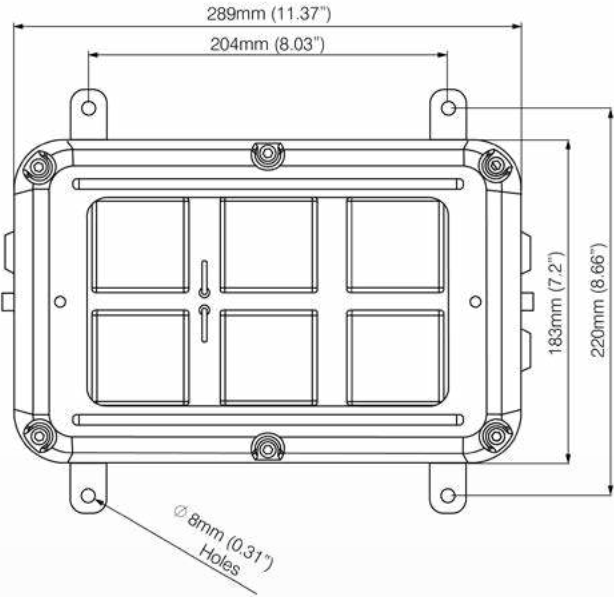
Product Dimensions - Continued

BL24 Exit Sign

300mm (11.8")

150mm (5.9")

150mm (5.9")

WARNING
ELECTROSTATIC HAZARD. CLEAN ONLY WITH DAMP CLOTH.
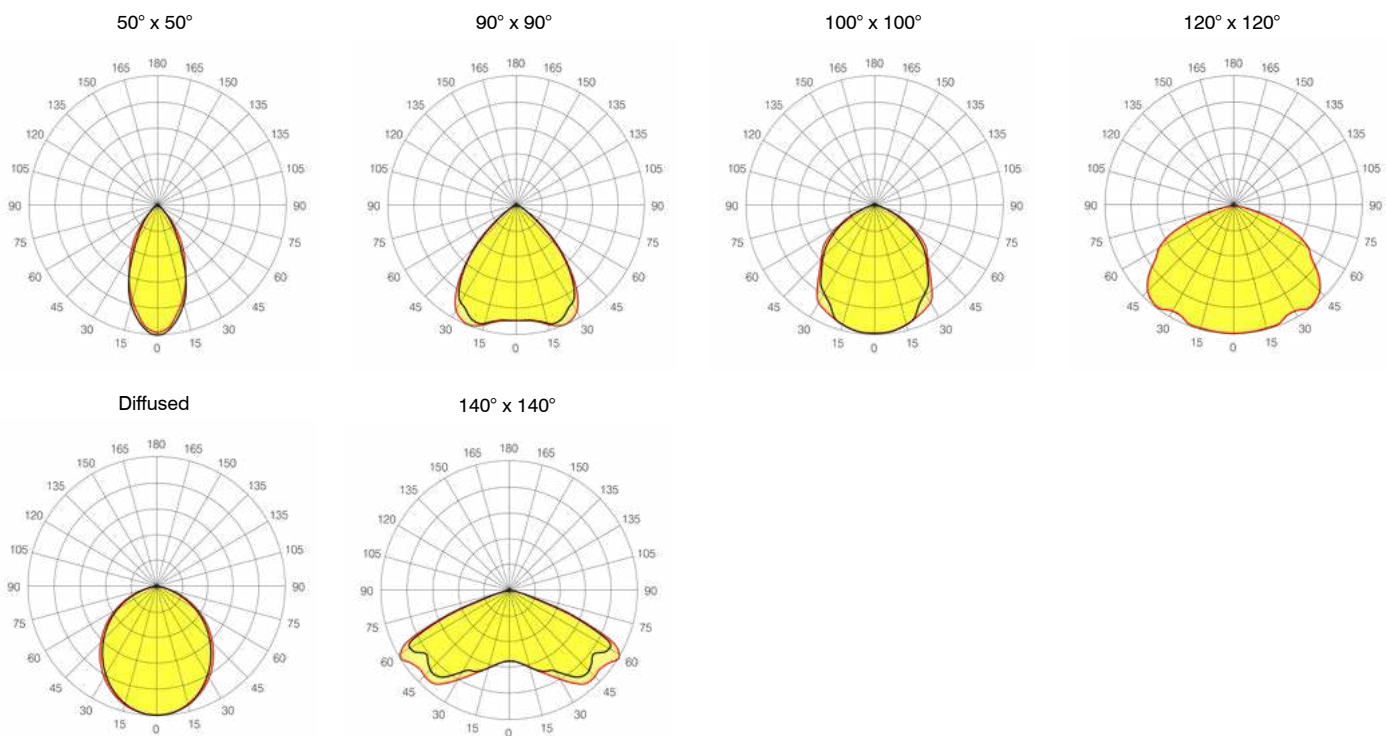
24m

105mm (4.13")

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
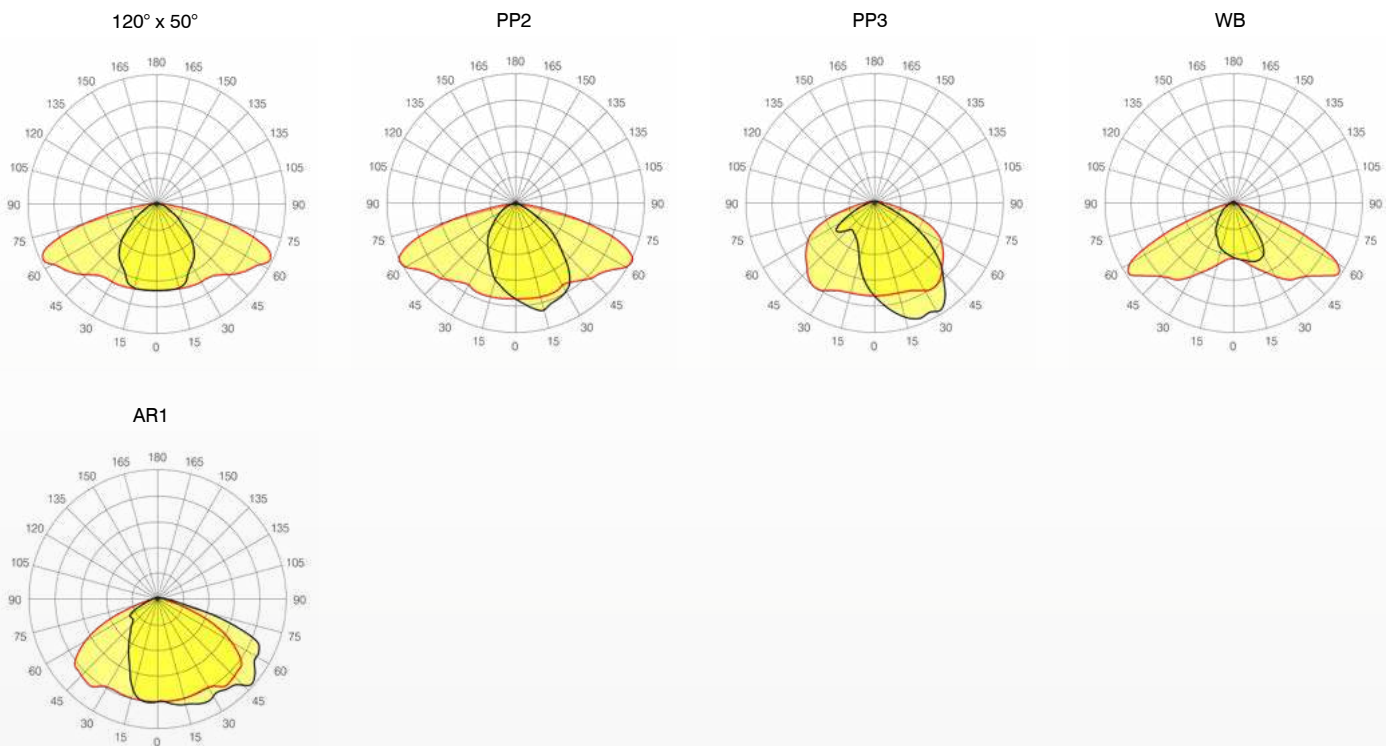
  Other languages available - contact Raytec

537mm (21.4")

150mm (5.9")

150mm (5.9")

300mm (11.8")

Exit

24m

Fire exit

24m
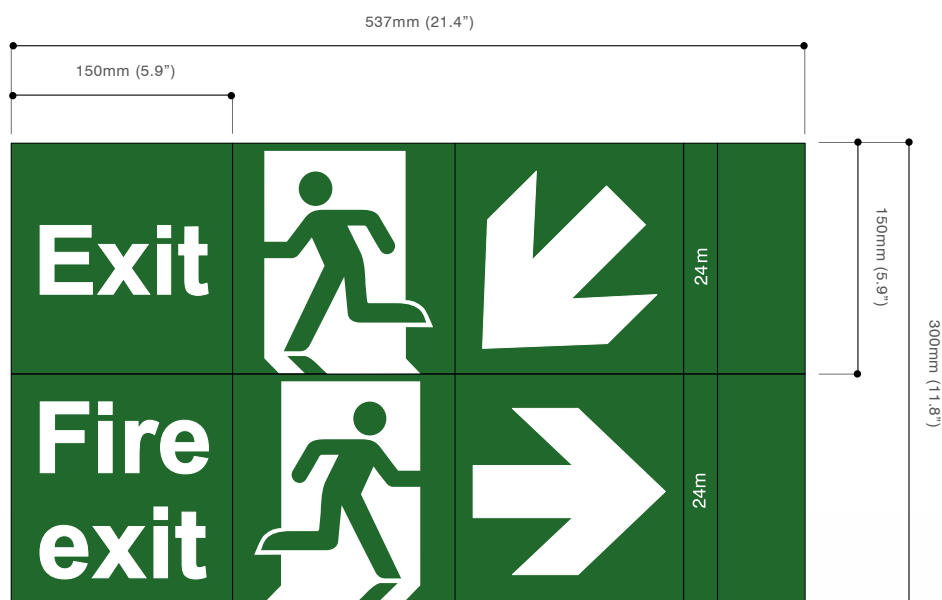
Lines for illustration purposes only

Beam patterns - Symmetrical

50° x 50°

90° x 90°

100° x 100°

120° x 120°

Diffused

140° x 140°

Recommended for use with Exit Sign Kit

Beam patterns – Asymmetrical

120° x 50°

PP2

PP3

WB

AR1

Other beam angles available, please contact Raytec for more information

Part Code Builder

SPARTAN Bulkhead

| Example - SPX-BL24-W-100100								
Family	Model	Light Type	Optic	Emergency/DALI	CCT	Power	Entry	Mounting
SPX	BL24	W - White Light	5050	Not Stated - Non EM	Not Stated - 6500K	Not Stated - 110-254V	Not Stated - M20	Not stated - Standard Wall Brackets
	BL24-HO		9090	EMX25 (3 hour)	4K - 4000K	277 - 110-277 V AC/DC 50/60Hz	M25	EXIT - c/w Exit Sign Kit **
			100100	DA - DALI		LV - Low Voltage (Non EM only)		
			D - Diffused			LO - Low Output (12W)		
			120120					
			140140					
			12050					
			PP2					
			PP3					
			WB					
			AR1					

*Other options available, please contact Raytec for more information. DALI variant is not compatible with EM

** Use in conjunction with 140140 optic
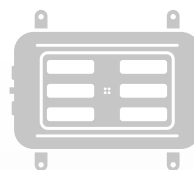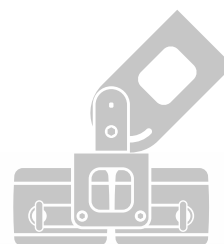
Products in the SPARTAN Family
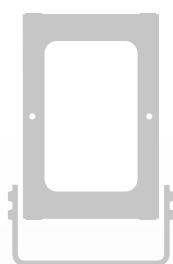
SPARTAN Flood

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.