SPARTAN LED
Zone 2/22 SPZ Mid Power Floodlight

rayTEC

Power / Performance
High lumen output up to 16,470 lumens, designed to directly replace traditional discharge light sources up to 250W SON.

Robust and Durable
Robust and durable construction from marine grade aluminium and with a wide operating temperature for even the most challenging conditions.

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

Multiple Beam Angles
Available with a range of beam patterns to effectively light up large open areas. The use of secondary optics means no loss of output on wider angles.

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

Hazardous Area Rating	ATEX, UKEX and IEC Ex rated for Gas and Dust
Certificates	CML21ATEX3320 & IEC Ex CML21.0038 or CML21UKEX3321
Gas	II 3 G D Ex ec mc IIC T4 Gc Ta= -40°C to+60°C (-20°C to +50°C emergency variants)
Dust	Ex tc IIIC T90°C Dc Ta= -40°C to+60°C (-20°C to +50°C emergency variants)
ABS Certificate	# 23-2432337-PDA

Electrical

	5K	7.5K	10K	12.5K	15K
Input	110-277V 50/60Hz AC only				
Power	40W	60W	80W	100W	120W
Termination	Incoming terminal block suitable for looping 4 core 4mm² cable				
Power Factor	>0.95				
Cable Entries	2xM20 as standard (other entries available upon request), dispatched complete with one ATEX/IEC Ex/UKEX approved blanking plug				

Optical

	5K	7.5K	10K	12.5K	15K
Beam Patterns	30° x 30° or 60° x 60° or 90° x 90° or 120° x 15° or 10° x 10°				
Lumen Output On Mains	5,486lm	8,235lm	10,973lm	13,712lm	16,470lm
LED Type	Platinum Elite SMT LEDs				
Number of LEDs	24	24	48	48	48
CRI	70+				
Colour Temperature	5,700K				

Mechanical

	5K	7.5K	10K	12.5K	15K
Burning Position	Universal				
IP Rating	IP66 & IP67				
Temperature Range	-40°C to +60°C (-40°F to +140°F) -20°C to +50°C for emergency variants (-4°F to +122°F)				
Weight	13.2kg (29.1lbs) 16kg (35.2lbs) for emergency variant				
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 1250-D-00005 at www.raytecled.com				
Battery Care	Please see document 0010-D-00001 at www.raytecled.com				
Dimensions	See dimension sketches				
Mounting	Stirrup bracket (see dimension sketches)				

T&D THORNE & DERRICK INTERNATIONAL

Thorne & Derrick
+44 (0) 191 410 4292
www.heatingandprocess.com

Technical Specifications - Emergency

| Intelligent Emergency	5K	7.5K	10K	12.5K	15K
Function			Self testing Intelligent Emergency		
System Health Indicator			Bi Colour Indicator LED		
Emergency Duration			180 or 90 mins depending on variant Other options available		
Emergency Output (upto)			4941 lumens (90 mins duration) 2120 lumens (180 mins duration)		
Emergency Battery			NiMH 12V 6.0Ah		
Emergency Charge Time			20 Hours		

Product Dimensions

MPFL - Standard
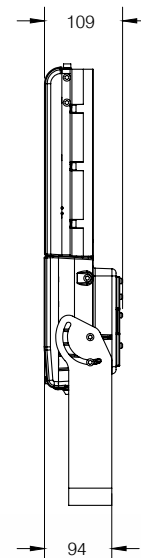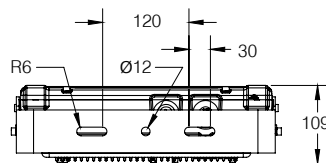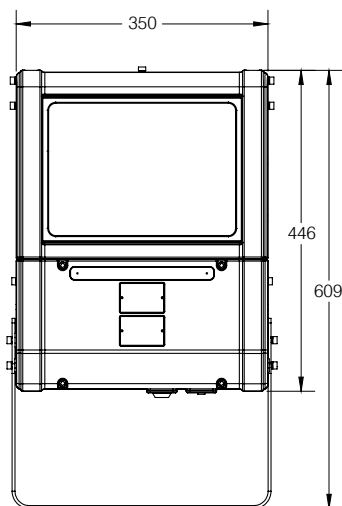
MPFL - Emergency
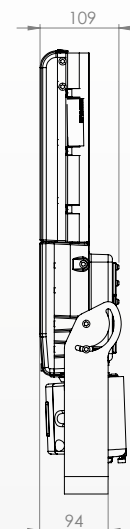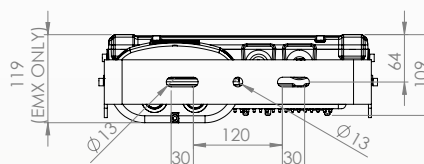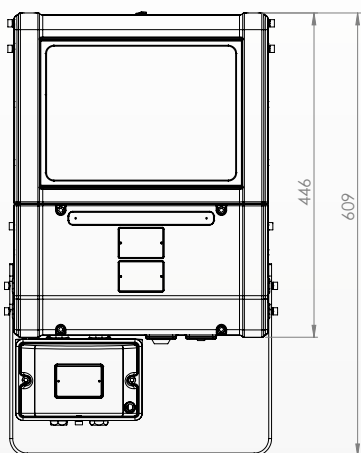
Beam Patterns
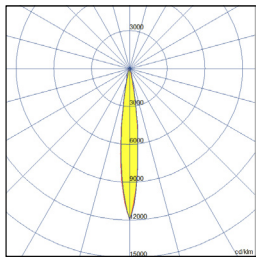
10x10
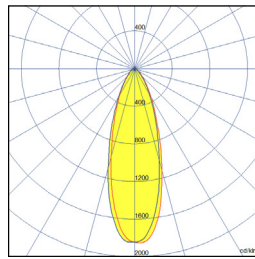
30x30
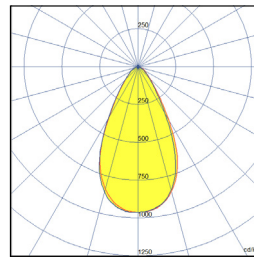
60x60
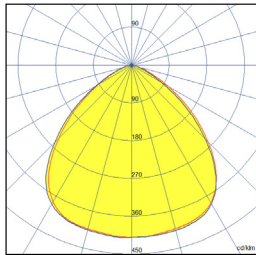
90x90
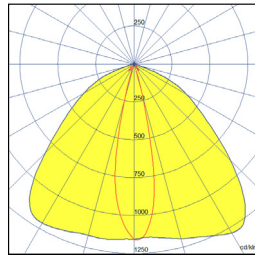
120x15

Part Code Builder

SPARTAN Mid Power Flood

Example - SPZ-MPFL15K-W-9090-EMX90						
Family	Model	Light Type	Optics	Emergency	CCT	Entry
SPZ	MPFL5K	W- White Light	3030	EMX90 (90 minute duration)	Not Stated - 5700K	Not Stated - M20
	MPFL7K5		6060	EMX180 (180 minute duration)	4K - 4000K	M25
	MPFL10K		9090			
	MPFL12K5		12015			
	MPFL15K		1010			

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.