SPARTAN SPX
LED Zone 1 High Power Floodlight

rayTEC

Ex | UK CA | IECEx | CE | ABS

Power and Performance

High lumen output up to 25,000 lumens and a range of beam patterns to effectively light up large open areas such as oil rigs.

Robust and Durable

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

Retrofittable and Modular

Designed to directly replace traditional discharge light sources up to 400W SON. The modular design allows easy access to key components and the ability to mount the PSU remotely (contact Raytec for details).

Controllable

DALI 2.0 Dimmable as standard for precise and flexible control of lighting assets.

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.
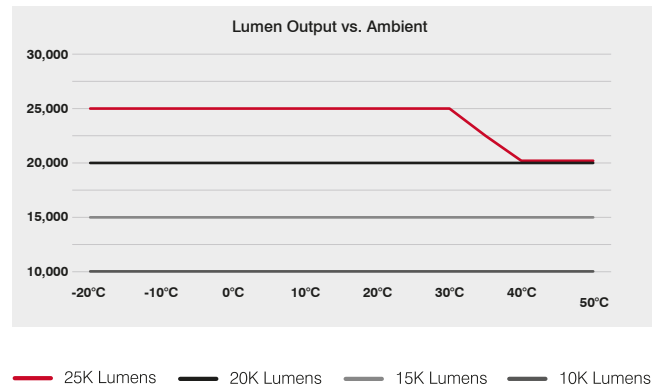
5 YEAR WARRANTY

1050-D-00008-rev 3

Raytec Global (excluding Americas): +44 (0) 01670 520055 • sales@raytecled.com
Raytec Americas: +1 613 270 9990 • ushazsales@raytecled.com

Version 1
www.raytecled.com

Technical Specifications

Certification

ATEX Rating	ATEX, UKEX and IEC Ex rated for Gas and Dust
Hazardous Area Rating	Zone 1 (Gas), Zone 21(Dust)
Certificates	Zone 1/21 Version CML17ATEX1148 and IECEx CML 17.0074 and CML21UKEX1102 Zone 21 Only Version CML 18ATEX3161 and IECEx CML 18.0087 and CML21UKEX3107
Gas	Gas Group IIB version II 2 G D Ex db eb mb IIB T4 Gb Gas Group IIB + H2 version II 2 G D Ex db eb mb IIB+H2 T4 Gb Ta = -50˚C to + 50˚C
Dust (Zone 1/21 version and Zone 21 only version)	Ex tb IIIC T104°C Db Ta=-50°C to +50°C
ABS Certificate #	ABS Certificate # 20-1990083-PDA

Automatic Thermal Cutback Feature

Lumen Output vs. Ambient

— 25K Lumens — 20K Lumens — 15K Lumens — 10K Lumens

Electrical

	20K	25K
Input	150-264V 50/60Hz AC/DC 110V variant available - please contact Raytec	
Power	240W	300W
Termination	Incoming terminal block suitable for looping 3 core 4mm² cable	
Power Factor	>0.95	>0.95
Cable Entries	2xM20 as standard (other entries available upon request), dispatched complete with one ATEX/IEC Ex approved blanking plug	

Optical

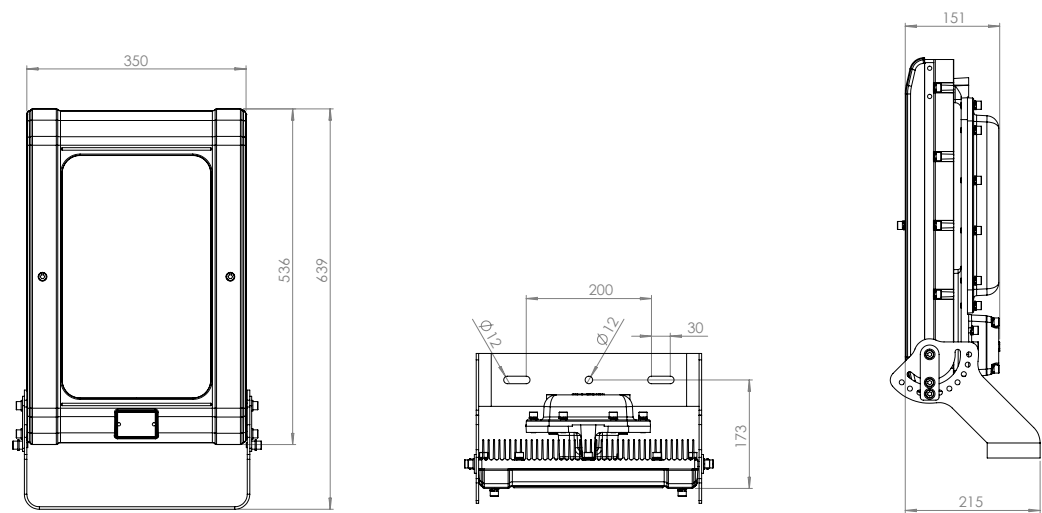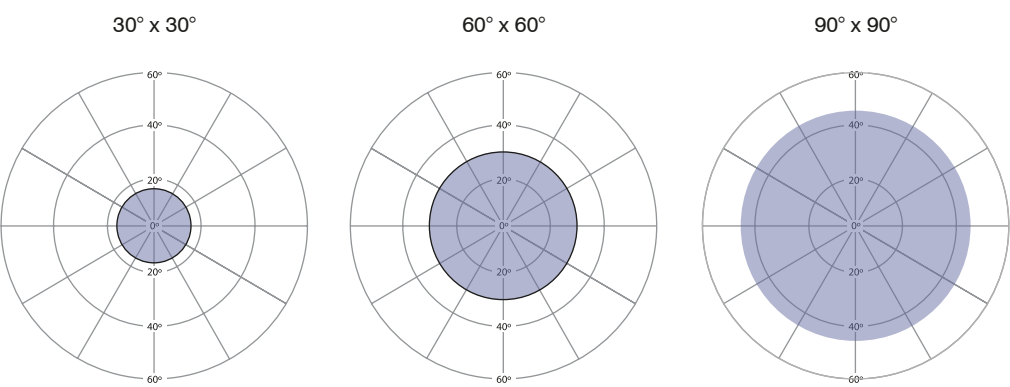|	20K	25K
Beam Patterns	30° x 30° or 60° x 60° or 90° x 90°	
Lumen Output	20,000lm	25,000lm
LED Type	Platinum Elite SMT LEDs	Platinum Elite SMT LEDs
Number of LEDs	24	24
CRI	70+	70+
Colour Temperature	5,700K	5,700K
Automatic Thermal Cutback Feature	Refer to the graph above	Refer to the graph above

Mechanical

	20K	25K
Burning Position	Universal	Universal
IP Rating	IP66	IP66
Temperature Range	-50°C to +50°C	-50°C to +50°C
Weight	23.5kg (51.8lbs)	23.5kg (51.8lbs)
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 1050-D-00006 at www.raytecled.com	
Dimensions	639 x 350 x 215mm (25.2 x 13.8 x 8.5")	
Mounting	Stirrup bracket (see dimension drawings on Page 3)	

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Product Dimensions

Beam patterns - Circular

30° x 30°	60° x 60°	90° x 90°

Part Code Builder

SPARTAN High Power Flood

Example - SPX-HPFL15K-W-9090						
Family	Model	Light Type	Optics	Variant	Power	Entry
SPX	HPFL20K	W- White Light	3030	NOT STATED - Standard IIB	Not Stated - 150-264ac	Not Stated - M20
SPZ (for Z21 version only)	HPFL25K		6060	H2 - IIB+H2	110 - 110V-277Vac	M25
			9090	Z21 - (SPZ Only)		

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