

SPARTAN LED Zone 2/22 SPZ High Power Floodlight



rayTEC[®]



Ease of Maintenance

A unique modular design means key components can be accessed easily and replaced independently, simplifying servicing in the field.



Multiple Beam Patterns

12 optic choices, the widest range on the market, for precise light distribution across any area.



Outstanding Performance

Up to 39,000 lumens with best-in-class efficacy of 168 lm/W, delivering powerful output with lower energy costs.



Robust & Durable

Marine-grade aluminium with Raytec's CX-rated coating system, engineered to withstand the most corrosive environments across extreme temperatures.

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

Hazardous Area Rating	ATEX, IEC Ex rated for Gas and Dust
Certificates	Zone 2/22 version: CML 25ATEX3450 & IECEx CML 25.0115 (Zone 21 version: CML 25ATEX3451 & IECEx CML 25.0116)
Gas	II 3 GD Ex ec mc IIC T4 Gc Ta = -40°C to +60°C (HP 300 variant) Ta = -40°C to +65°C (HP 200 variant) Ta = -40°C to +70°C (HP 100 variant)
Dust	Ex tc IIIC T99°C Dc Ta = -40°C to +60°C (HP 300 variant) Ta = -40°C to +65°C (HP 200 variant) Ta = -40°C to +70°C (HP 100 variant)
Dust (Zone 21 version)	III 2 D Ex tb IIC T99°C Db Ta = -40°C to +60°C (HP 300 variant) Ta = -40°C to +65°C (HP 200 variant) Ta = -40°C to +70°C (HP 100 variant)

Electrical

	HPFL100	HPFL200	HPFL300
Input	110-277V 50/60Hz AC only		
Power	167W	200W	240W
Termination	Incoming terminal block suitable for looping 4 core 4mm ² cable (Other options available. Please contact Raytec)		
Power Factor	>0.95		
Cable Entries	2xM20 gland entries as standard (other options available) Supplied with 1 ATEX/IECEx approved stopper plug		
DALI	DALI 2.0 variants available as an option	DALI 2.0 variants available as an option	N/A

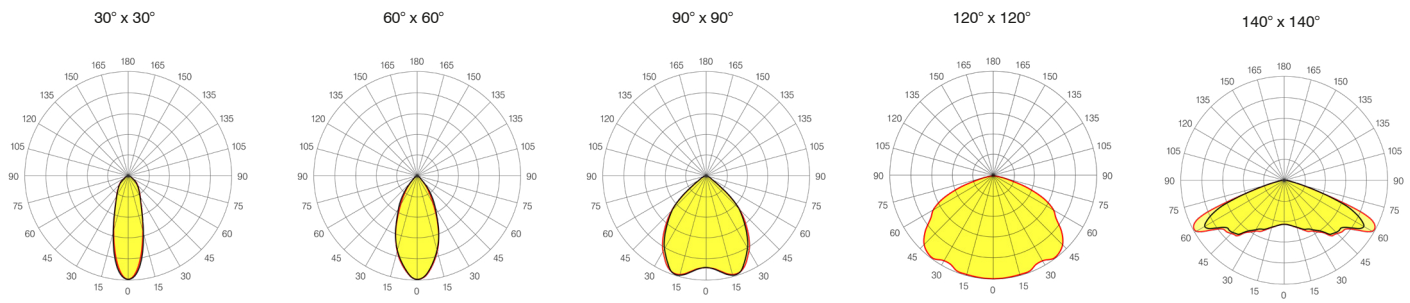
Optical

	HPFL100	HPFL200	HPFL300
Beam Patterns	Multiple symmetrical and assymetrical beam patterns available. See light distribution graphs below		
Lumen Output	See lumen output table below		
LED Type	Platinum Elite SMT LEDs		
Number of LEDs	384		
CRI	80+		
Colour Temperature	6,500K		

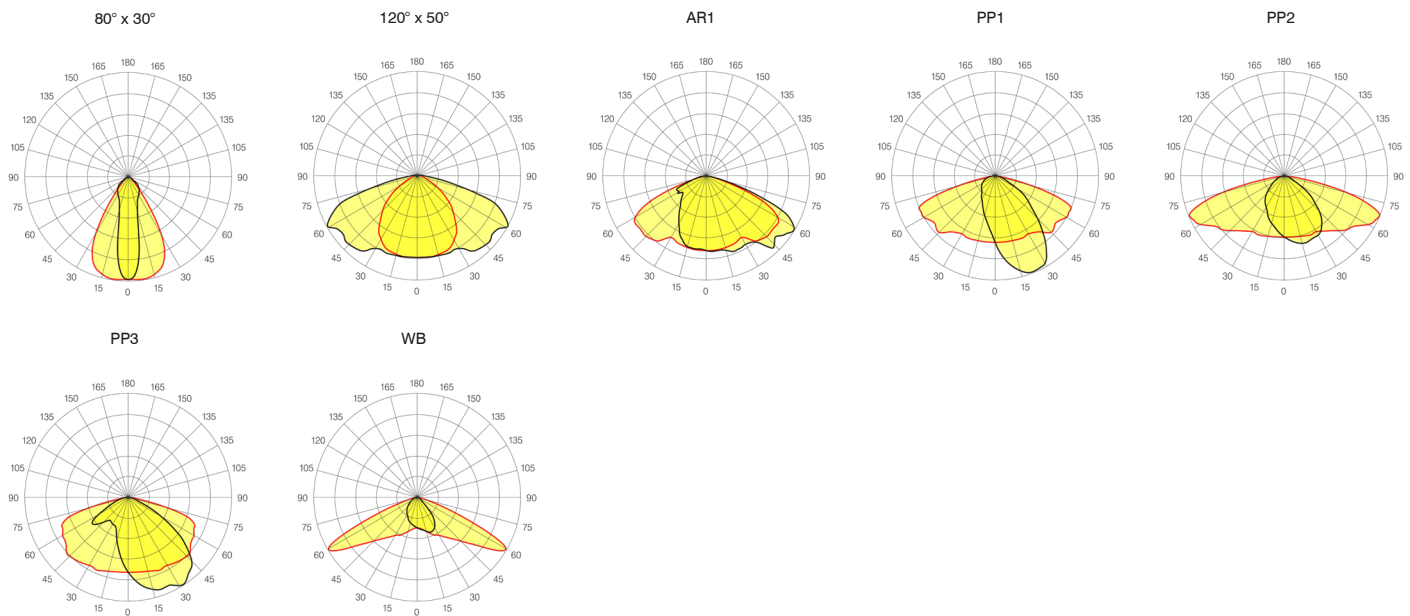
Mechanical

	HPFL100	HPFL200	HPFL300
Burning Position	Universal		
IP Rating	IP66/IP67		
IK Rating	IK09		
Temperature Range	-40°C to +70°C (-40°F to +158°F)	-40°C to +65°C (-40°F to +149°F)	-40°C to +60°C (-40°F to +140°F)
Weight	18.5kg (40.8lbs)		
Enclosure	Marine grade aluminium enclosure with CX Shield protective coating system. All external fasteners and brackets are marine grade stainless steel		
Corrosion Class	CX in accordance with ISO 12944-9:2018		
Unit Colour	Silver (RAL 9006)		
Installation Instructions	Please see document number 1050-D-00028 at raytecled.com		
Spare Part Availability	For detailed information on spare part availability please contact Raytec		
Dimensions	See dimensional sketches		
Mounting	Stirrup bracket (see dimension drawings)		

Beam Patterns - Circular



Beam Patterns – Elliptical



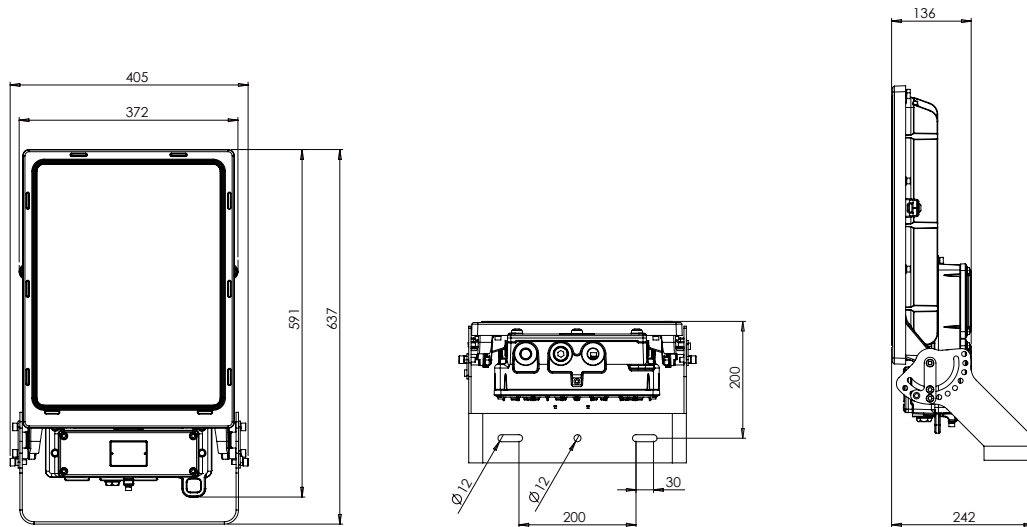
Lumen Output by Beam Pattern

Lumen Output on Mains

Variant	30x30	60x60	90x90	120x50	140x140	AR1	PP1	PP2	PP3	80x30	120x120	WB
HPFL100	25628	28056	27704	24180	24620	23944	25644	24792	24768	26941	24180	25475
HPFL200	30327	33200	32783	28613	29134	28334	30346	29337	29309	31880	28613	30145
HPFL300	35296	38640	38155	33302	33908	32977	35319	34144	34111	37104	33302	35085

For more information on Lumen Outputs please contact Raytec.
Other beam patterns also available. Please contact Raytec for more information.

Product Dimensions



Part Code Builder

SPARTAN High Power Flood

Example - SPZ-HPFL300-W-9090

Family	Model	Light Type	Optics	DALI	Zone 21 only version	CCT	Entry
SPZ	HPFL100	W- White Light	3030	DA - DALI	Z21- Zone 2/21/22 version	Not Stated - 6500K	Not Stated - M20
	HPFL200		6060	only available on HPFL100 and HPFL200 variants		4K - 4000K	M25
	HPFL300		9090				
			120120				
			140140				
			12050				
			AR1				
			PP1				
			PP2				
			PP3				
			8030				
			WB				

SPARTAN High Power Bespoke Options

Wildlife Friendly

Minimises disruption to wildlife with a specialist light spectrum designed for sensitive environments.

Example ordering code: SPZ-HPFL100-A-9090

Other LED colours and wavelengths are available - talk to us about your requirements at sales@raytecled.com.

Remote Mount

Enables the driver and light source to be remotely mounted for greater installation flexibility and easier maintenance.



Wildlife-Friendly Variant

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.