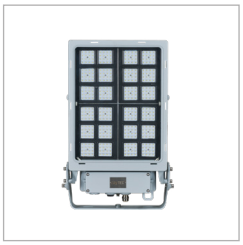
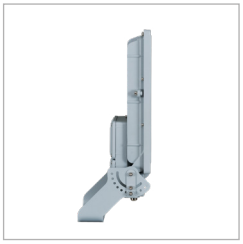
SPARTAN LED
Zone 1/21 SPX High Power Floodlight











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

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

Outstanding Performance

Up to 34,500 lumens with best-in-class efficacy of 151 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.

5 YEAR WARRANTY

Raytec Global (excluding Americas): +44 (0) 1670 520055 • sales@raytecled.com
Raytec Americas: +1 613 270 9990 • ushazsales@raytecled.com

www.raytecled.com

1050-D-00029-rev1 03/26

Technical Specifications

Certification

Hazardous Area Rating	ATEX and IEC Ex rated for Gas and Dust
Certificates	CML 25ATEX3449 & IECEx CML 25.0115
Gas	II 2 G D Ex eb mb IIC T4 Gb Ta=-40°C to +70°C (HPFL100) Ta=-40°C to +65°C (HPFL200) Ta=-40°C to +60°C (HPFL300)
Dust	Ex tb IIIC T99°C Db Ta=-40°C to +70°C (HPFL100) Ta=-40°C to +65°C (HPFL200) Ta=-40°C to +60°C (HPFL300)

Electrical

	HPFL100	HPFL200	HPFL300
Input	110-277V 50/60Hz AC only		
Power	167W	200W	240W
Termination	Incoming terminal block suitable for looping 4 core 4mm² 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

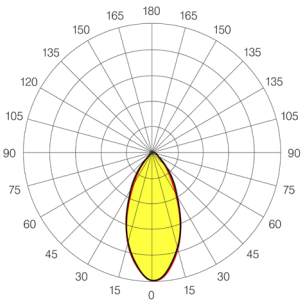
	HPFL100	HPFL200	HPFL300
Beam Patterns	Multiple symmetrical and assymetrical beam patterns available. See light distribution graphs below		
Lumen Output	See lumen output table below		
LED Type	Platinum Elite SMT LEDs		
Number of LEDs	384		
CRI	80+		
Colour Temperature	6,500K		

Mechanical

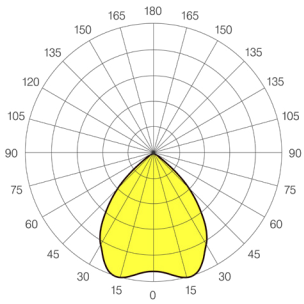
	HPFL100	HPFL200	HPFL300
Burning Position	Universal		
IP Rating	IP66/IP67		
IK Rating	IK09		
Temperature Range	-40°C to+70°C (-40°F to+158°F)	-40°C to+65°C (-40°F to+149°F)	-40°C to+60°C (-40°F to+140°F)
Weight	18.5kg (40.8lbs)		
Enclosure	Marine grade aluminium enclosure with CX Shield protective coating 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

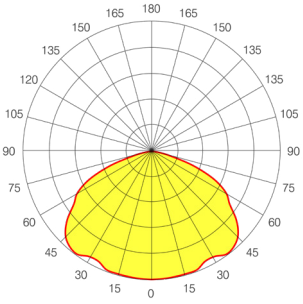
60° x 60°



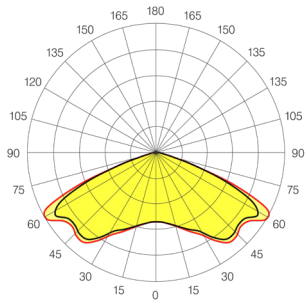
90° x 90°



120° x 120°

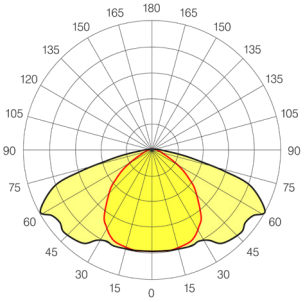


140° x 140°

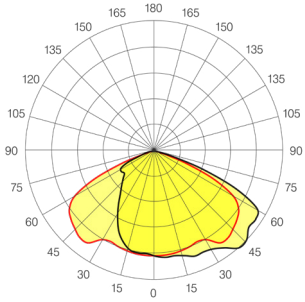


Beam Patterns – Elliptical

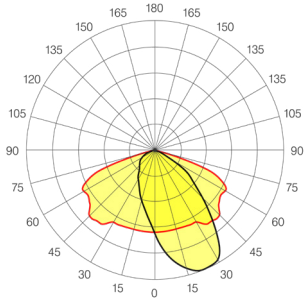
120° x 50°



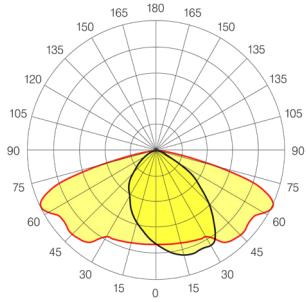
AR1



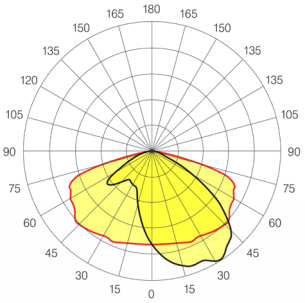
PP1



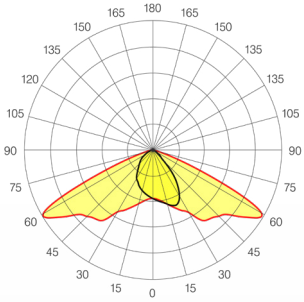
PP2



PP3



WB



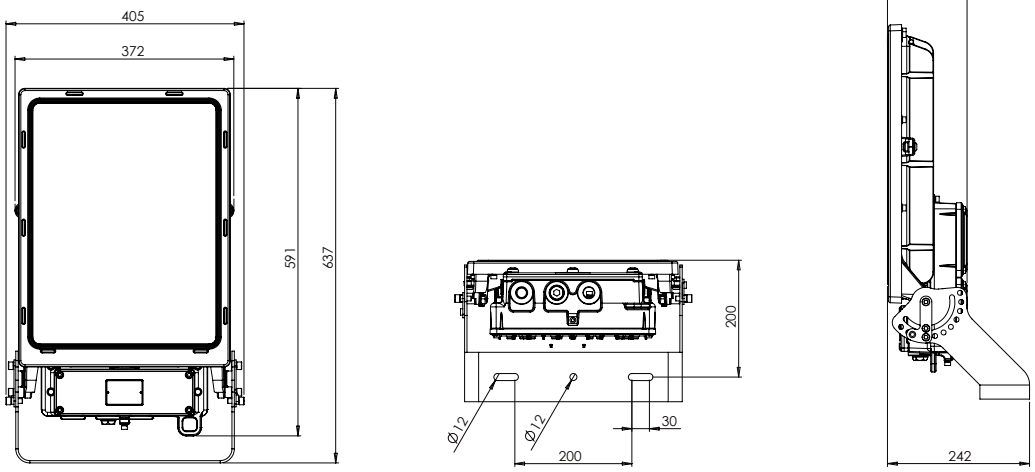
Lumen Output by Beam Pattern

Lumen Output on Mains

Variant	60x60	90x90	120x50	140x140	AR1	PP1	PP2	PP3	120x120	WB
HPFL100	25217	24944	18707	18369	18532	20134	18975	20077	18707	21360
HPFL200	29800	29478	22107	21708	21901	23793	22424	23726	22107	25241
HPFL300	34560	34187	25639	25176	25400	27594	26007	27517	25639	29274

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 - SPX-HPFL300-W-9090						
Family	**Model**	**Light Type**	**Optics**	**DALI**	**CCT**	**Entry**
SPX	HPFL100	W- White Light	6060	DA - DALI	Not Stated - 6500K	Not Stated - M20
	HPFL200		9090	*only available on HPFL100 and HPFL200 variants*	4K - 4000K	M25
	HPFL300		120120			
			140140			
			12050			
			AR1			
			PP1			
			PP2			
			PP3			
			WB			

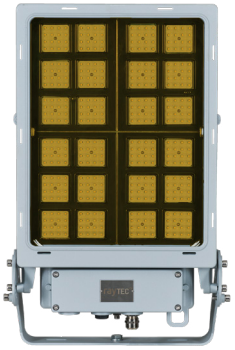
SPARTAN High Power Bespoke Options

Wildlife Friendly

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

Example ordering code: SPX-HPFL100-A-9090

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



Wildlife-Friendly Variant

Remote Mount

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

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.