



SPYDR 2p47

SPYDR 2p is a full-cycle top-lighting solution for commercial cannabis cultivation, with the power to scale from vegetative growth to higher light intensities in bloom. For optimal results, we recommend SPYDR 2p deployed in environments with CO₂ supplementation between 800-1400 ppm in reproductive growth stage due to high PPFD levels.

SPECIFICATIONS

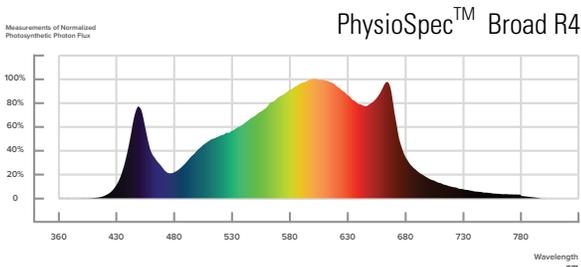
Light Source	LED
Spectrum	PhysioSpec™ Broad R4
Light Output PPF	1550 µmol/s
Efficacy	2.4 µmol/J @ 277 V AC
AC Input Power	640 W @ 277 V AC
AC Input Voltage	120-277 V AC, 347-480 V AC, 50/60 Hz
Light Distribution	120°
Mounting Height Above Canopy	6" - 12" [15-30 cm]
Thermal Management	Passive
Max. Ambient Temperature	95°F [35°C], 90% RH
Dimming	Off/on 0/1-10 V sink dimming, source driver
Total Harmonic Distortion (THD)	< 10% at 100% output
Lifetime (Driver and LED L90)	> 50,000 hrs
IP Rating IEC 60529	IP66
Certifications	UL 8800, UL 1598 Wet Location, DLC
Warranty	5 Year Limited Warranty

NOMINAL ELECTRICAL AC INPUT*

AC VOLTAGE	120V	208V	277V	347V	480V
AC Current	5.51 A	3.12 A	2.39 A	1.86 A	1.37 A
AC Power	661 W	642 W	641 W	640 W	638 W
Power Factor	0.997	0.991	0.969	0.993	0.969

* At 77°F [25°C] ambient temperature at 100% output

SPECTRA



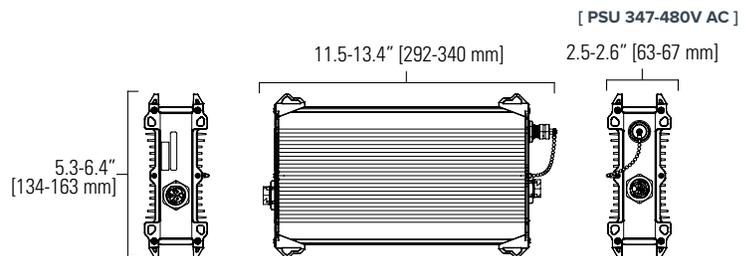
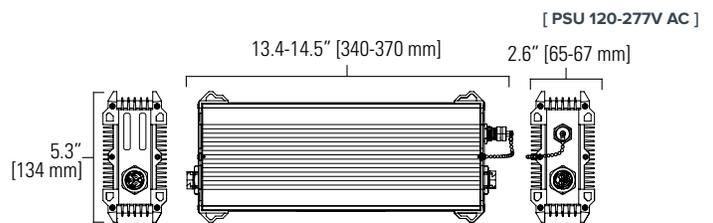
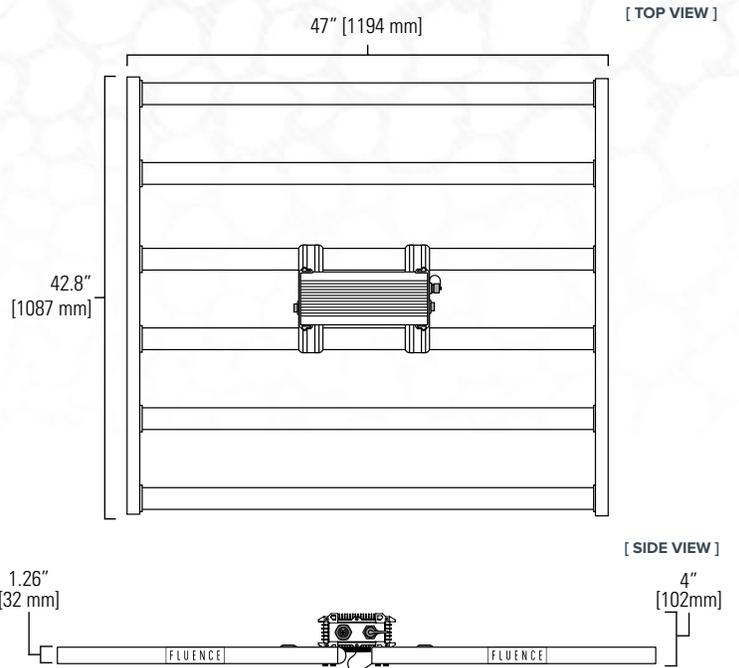
FAMILY	MODEL	SPECTRUM	INPUT VOLTAGE	AC POWER CORD
SR	SPYDR 2p47 2p 47"x43"	PhysioSpec™ Broad R4	LVG 120-277V HVG 347-480V	00 None 06 6 ft (1,8 m) 15 15 ft (4,6 m)

AC PLUG TYPE	DC EXT. CORD	MOUNTING HARDWARE	PACKAGING
000 None	00 None	00 None	S Single Pack
N5P NEMA 5-15p	03 3 ft (0,9 m)	W Waterfall Mounts	B15 Bulk Pack (15 QTY)
N6P NEMA 6-15P	06 6 ft (1,8 m)	S Solid-Decking Mounts	
L7P NEMA L7-15P		M 2-Point Hanging Lances	
PTP Pigtails		A Adjustable Hanging Kit	
		L Long V Mounts	
		O Offset Solid Deck Mounting Kit	
		V VAS Mounting Kit	
		LV Wire Form VAS	
		LC Wire Form VAS Short	
		OV Offset VAS Long	
		OC Offset VAS Short	

Note :
DC Dimming signal cable not included in the product.
Must be ordered separately as an accessory.

*Please contact sales for more mounting options

DC DIMMING SIGNAL CABLE (Power Supply to Dimming Control)	QTY/ Power Supply	Ordering Code	QTY/ Carton
11 in (0,3 m) dimming signal cable, pigtail, M12 connector	1 pc	CDMA-71561-10	10 pcs
5-FT (1,5 m) dimming signal cable, pigtail, M12 connector	1 pc	CDMA-71560-10	10 pcs



Disclaimer: Performance values are from representative tests performed in accordance industry standards listed. Actual application performance may vary due to component tolerances and installation, environmental, and field measurements conditions.



Contact **FLUENCE**
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www.fluence.science/SPYDR

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Subject to change without notice

Horticultural lighting | Not suitable for household illumination.