



SPYDR 2i47

The **SPYDR 2i** is a high-performance top-lighting solution for commercial horticulture cultivation. Designed for growers to push the envelope with high-PPFD cultivation practices. Not intended for beginner growers or grows without CO₂ supplementation.



SPECIFICATIONS

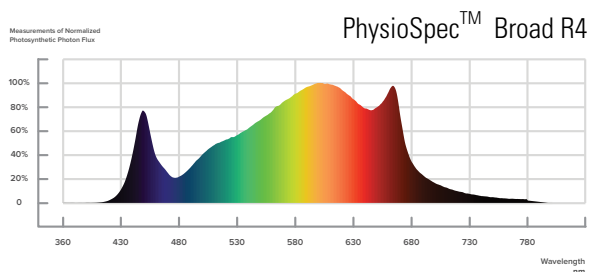
Light Source	LED
Spectrum	PhysioSpec™ Broad R4
Light Output PPF	1700 µmol/s
Efficacy	2.7 µmol/J @ 277 V AC
AC Input Power	638 W @ 277 V AC
AC Input Voltage	120-277 V AC, 347-480 V AC, 50/60 Hz
Light Distribution	120°
Mounting Height Above Canopy	6" - 12" [15-30 cm]
Thermal Management	Passive
Max. Ambient 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	5.57 A	3.09 A	2.37 A	1.85 A	1.37 A
AC Power	669 W	638 W	638 W	638 W	637 W
Power Factor	0.997	0.991	0.969	0.993	0.969

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

SPECTRA



FAMILY	MODEL	SPECTRUM	INPUT VOLTAGE	AC POWER CORD
SR	SPYDR 2i47	PhysioSpec™ Broad R4	LVG 120-277V HVG 347-480V	00 None 06 6 ft (1,8 m) 15 15 ft (4,6 m)

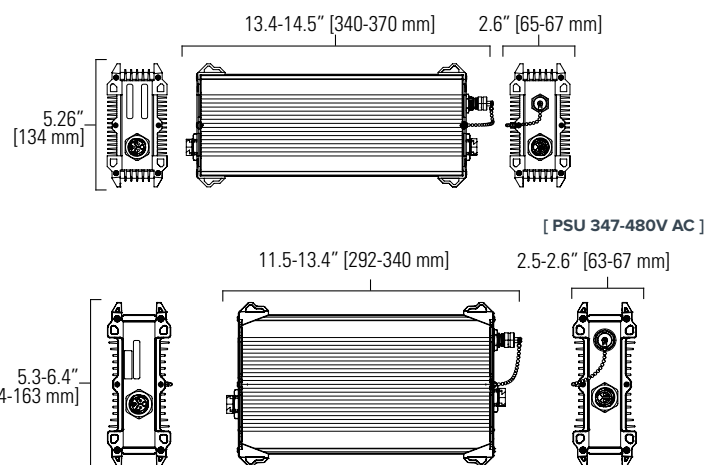
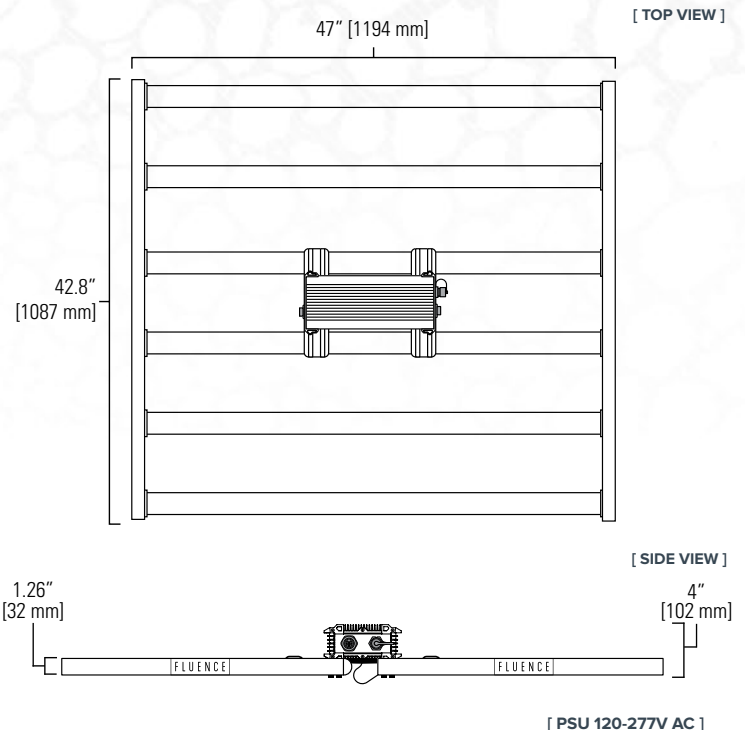
AC PLUG TYPE	DC EXT. CORD	MOUNTING HARDWARE	PACKAGING
000 None	00 None	00 None	S Single Pack
N5P NEMA 5-15p	03 3 ft (0,9 m)	W Waterfall Mounts	B15 Bulk Pack (15 QTY)
N6P NEMA 6-15P	06 6 ft (1,8 m)	S Solid-Decking Mounts	
L7P NEMA L7-15P		M 2-Point Hanging Lances	
PTP Pigtailed		A Adjustable Hanging Kit	
		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	

*Please contact sales for more mounting options

Note :

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

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.