


# SPYDR 3

The **SPYDR 3** is a high-performance multi-tier solution for commercial horticulture cultivation. Designed for growers to push the envelope with high-PPFD cultivation practices.

a ignify brand



## SPECIFICATIONS

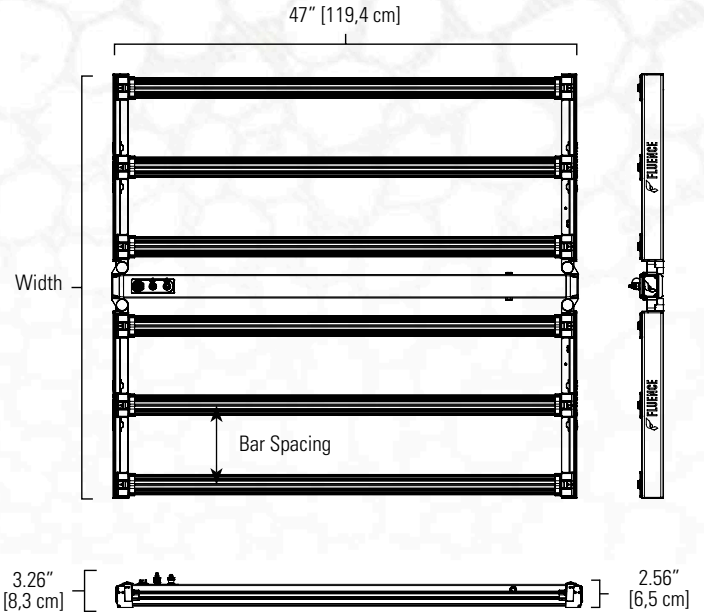
Light Source	LED
Spectrum	PhysioSpec™ Broad R4, R4a, R45, R5
Light Output PPF	Up to 2,200 μmol/s
Efficacy	Up to 3.0 μmol/J
AC Input Power	From 390 W to 800 W
Light Distribution	Lambertian
Max. Ambient Temperature/Humidity	40°C, 90% RH non-condensing
Dimming	Source Signal Driver, 0-10 V, Dim to Off / Dimming: 10-100% (M12 Port)
Total Harmonic Distortion (THD)	< 10% at 100% output
Lifetime (Driver and LED L90)	> 50,000 hrs
IP Rating IEC 60529	IP66
Certifications	<b>UL 8800, UL 1598 Wet Location, CE/CB, DLC</b>
Warranty	5 Year Limited Warranty
DLC Reported Application Position/Use case	Indoor (Stacked and Non-stacked), Top light/Sole-source

## Performance Table

Model	PhysioSpec™ Spectrum	PPF Output [μmol/s]	Wattage @277V [W]	Efficacy [μmol/J]
3x47	Broad R5	1190	390	3.0
3i47	Broad R4	1870	700	2.7
	Broad R45	2020	700	2.9
3h47	Broad R4	2090	800	2.6
	Broad R4a	2200	800	2.8

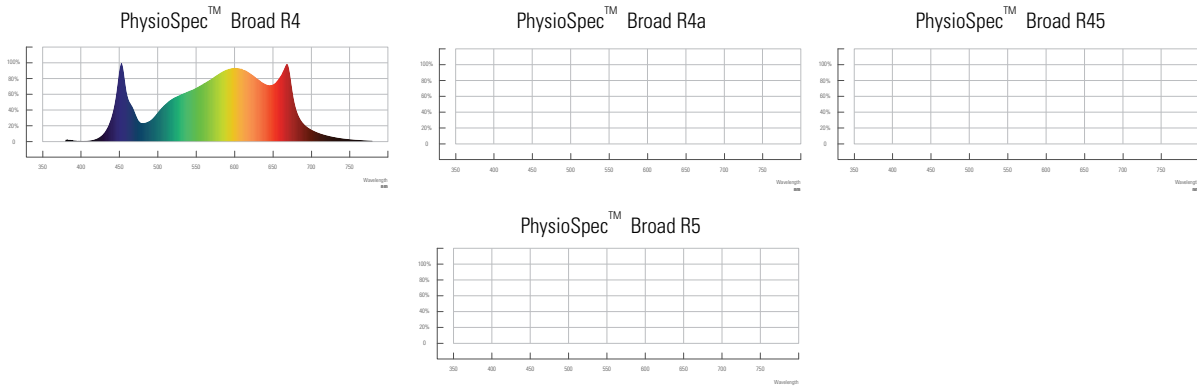
**Disclaimer:** Performance values are from representative tests performed in accordance industry standards listed. Actual application performance may vary due to component tolerances and installation, environmental, and field measurements conditions.

## DIMENSIONS



Model	System Weight	# of Bars	Bar Spacing	Width Dim.
3x47	17.4 lbs [7,9 kg]	4	12" [30,5 cm]	43" [109,2 cm]
3i47/3h47	26.2 lbs [11,9 kg]	6	8" [20,3 cm]	43" [109,2 cm]

## SPECTRA



Contact **FLUENCE**   
[support@fluence-led.com](mailto:support@fluence-led.com)   
[www.fluence-led.com/products/spydr-series](http://www.fluence-led.com/products/spydr-series)

## Ordering Guide

Family	Model	PhysioSpec™ SPECTRUM	INPUT VOLTAGE	PACK TYPE	
SR	SPYDR	<b>3x47</b> 390W, 47" x 43"	<b>LV</b> 120-277 V AC <b>JV'</b> 208-480 V AC	<b>S</b> Single Pack	
		<b>3i47</b> 700W, 47" x 43"			<b>BW5</b> BROAD R5
		<b>3i47</b> 700W, 47" x 43"			<b>BW45</b> BROAD R45
		<b>3h47</b> 800W, 47" x 43"			<b>BW4<sup>2</sup></b> BROAD R4
		<b>3h47</b> 800W, 47" x 43"			<b>BW4a</b> BROAD R4a

1. Extended lead time applies. Consult Fluence operations for details.
2. Only available in JV 208-480V AC.

## LUMINAIRE

Description	Recommended Applications	Regional Catalog Code	Ordering PN 12NC Single Pack
SPYDR3x47, BW5, 120-277V, SP	Vegetative or low PPFD flowering without CO <sub>2</sub>	SR-3x47-BW5-LV-S	9124 017 02564
SPYDR3x47, BW5, 208-480V, SP		SR-3x47-BW5-JV-S	9124 017 02565
SPYDR3i47, BW45, 120-277V, SP	Medium to High PPFD Flowering	SR-3i47-BW45-LV-S	9124 017 02569
SPYDR3i47, BW45, 208-480V, SP		SR-3i47-BW45-JV-S	9124 017 02570
SPYDR3i47, BW4, 208-480V, SP		SR-3i47-BW4-JV-S	9124 017 07104
SPYDR3h47, BW4a, 120-277V, SP	High PPFD Flowering	SR-3h47-BW4a-LV-S	9124 017 02571
SPYDR3h47, BW4a, 208-480V, SP		SR-3h47-BW4a-JV-S <sup>1</sup>	9124 017 02572
SPYDR3h47, BW4, 208-480V, SP		SR-3h47-BW4-JV-S	9124 017 07106

## MOUNTING HARWARE

Description	Pcs per kits	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Carton QTY
Adjustable Lance Hanging Kit	2	MT-SR-GM-05	9124 017 01641	9124 016 55893	10
Lance Wire Hanger Kit	2	MT-SR-M2-XX	9124 017 01633	9124 016 88765	20
Adjustable 4-Point VAS Mounting Kit	4	MR-S3-VL-AJ	9124 017 07102		N/A

## DIMMING SIGNAL CABLE

Description	Region	Regional Commercial Code	Ordering PN 12NC Single Pack (S)	Ordering PN 12NC Bulk Pack (B)	Bulk Pack Carton Quantity
11 IN (28 cm) Dimming Signal Cable, Pigtail, M12 Connector	North America	CCA-XXU3T2FL3X0.3	9124 017 01621	9124 016 55902	10
5 FT (1.52 m) Dimming Signal Cable, Pigtail, M12 Connector	North America	CCA-XXU3T2FL3X1.5	9124 017 01622	9124 016 55881	10
80 cm (31.5 IN) Dimming Signal Cable, Cca, Pigtail, M12 Connector	Europe/ROW	CCE-XXC3T2FL3X0.8 <sup>1</sup>	9124 017 01623	9124 016 55883	10
5 FT (1.5 m) Dimming Signal Cable, Daisy Chain, M12 Connector, M/F	North America	CDA-S3U3T2FT2M1.5	9124 017 07167	9124 017 07168	5

1. Extended leadtime applies. Consult Fluence operations for details.

## AC POWER CABLE (Power Supply to AC Line)

Description	Region	Regional Commercial Code	Ordering PN 12NC Single Pack (S)	Ordering PN 12NC Bulk Pack (B)	Bulk Pack Carton Quantity
6 FT (1.8 m) AC Extension Cable, Pigtail, M19 Push Lock, Max 480 V AC	North America	CAA-XXU3P9FL3X1.8	9124 017 01624	9124 016 55875	10
15 FT (4.6 m) AC Extension Cable, Pigtail, M19 Push Lock, Max 480 V AC	North America	CAA-XXU3P9FL3X4.6	9124 017 01610	9124 016 88461	5
6 FT (1.8 m) AC Cable, AXH3, Type I SAA Plug, M19 Push Lock Female	Australia	CAZ-XXS3P9FTIP1.8'	9124 017 01618	9124 016 88467	10
6 FT (1.8 m) AC Cable, VDE H07RN-F, Pigtail, M19 Push Lock (CE countries)	Europe/ROW	CAR-XXV3P9FL3X1.8'	9124 017 01616	9124 016 88464	10
15 FT (4.6 m) AC Cable, VDE H07RN-F, Pigtail, M19 Push Lock (CE countries)	Europe/ROW	CAR-XXV3P9FL3X4.6'	9124 017 01617	9124 016 88465	5

1. Extended leadtime applies. Consult Fluence operations for details.

## NOMINAL ELECTRICAL AC INPUT

Product Configuration	AC Voltage	120 V	208 V	230 V	240V	277 V	347 V	400 V	480 V
3x47-BW5-LV	AC Current [A]	3.49	2.02	1.8	1.72	1.54	-	-	-
	AC Power [W]	415	408	403	400	400	-	-	-
3x47-BW5-JV	AC Current [A]	-	2.04	1.85	1.77	1.54	1.23	1.08	0.91
	AC Power [W]	-	413	409	408	405	403	401	400
3i47-BW45-LV	AC Current [A]	6.284	3.56	3.204	3.09	2.71	-	-	-
	AC Power [W]	739	720	715	714	714	-	-	-
3i47-BW45/BW4-JV	AC Current [A]	-	3.49	3.182	3.05	2.66	2.13	1.847	1.54
	AC Power [W]	-	713	710	709	708	706	702	696
3h47-BW4a-LV	AC Current [A]	6.97	3.99	3.608	3.489	3.03	-	-	-
	AC Power [W]	829	810	805	804	798	-	-	-
3h47-BW4a/BW4-JV	AC Current [A]	-	3.91	3.572	3.41	2.98	2.37	2.04	1.716
	AC Power [W]	-	798	797	795	795	791	786	783

\* At 77°F (25°C) ambient temperature