

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.

SPECIFICATIONS

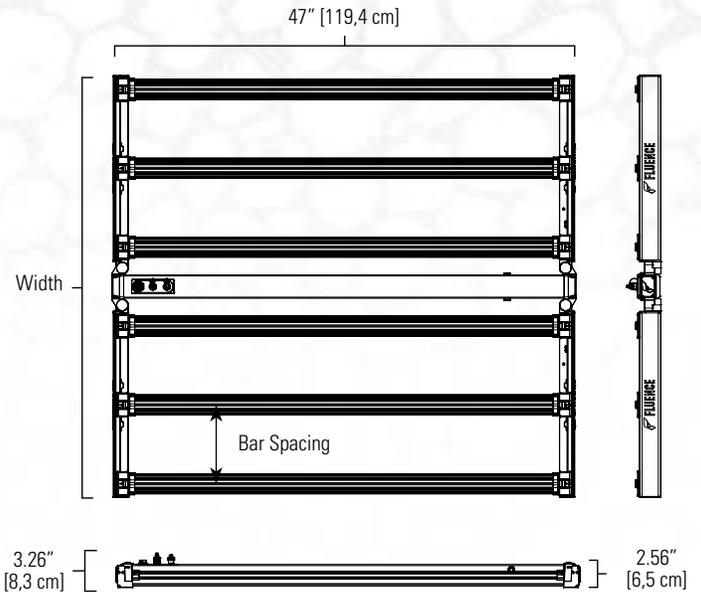
Light Source	LED
Spectrum	PhysioSpec™ Broad R4, R4a, R45, R5
Light Output PPF	Up to 2,200 μmol/s
Efficacy	Up to 3.0 μmol/J
AC Input Power	From 390 W to 800 W
Light Distribution	Lambertian
Max. Ambient Temperature/Humidity	40°C, 90% RH non-condensing
Dimming	Source Signal Driver, 0-10 V, Dim to Off / 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	UL 8800, UL 1598 Wet Location, CE/CB, DLC
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
3i33	Broad R45	1450	500	2.9
3p47	Broad R45	1750	620	2.8
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

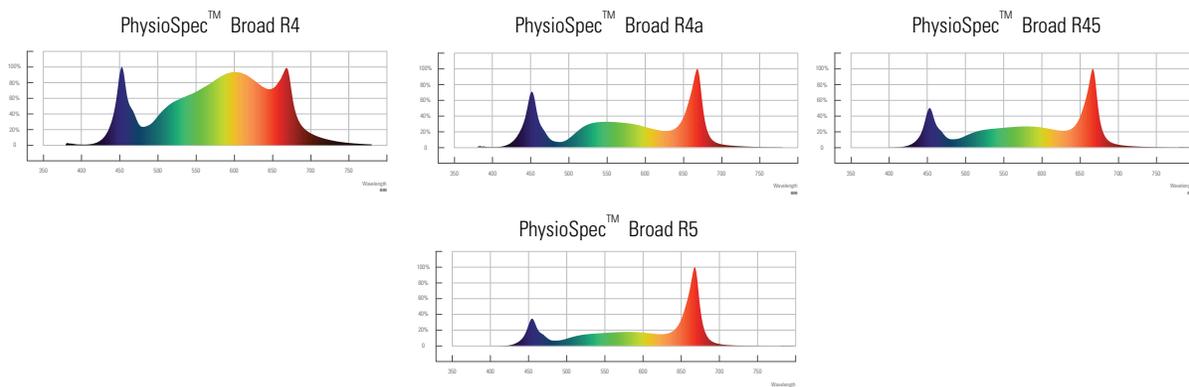
Disclaimer: Performance values are from representative tests performed in accordance industry standards listed. Actual application performance may vary due to component tolerances and installation, environmental, and field measurements conditions.

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]
3i33	17.4 lbs [7,9 kg]	4	9" [22,8 cm]	30" [76,2 cm]
3p47	23.5 lbs [10,7 kg]	6	8" [20,3 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
www.fluence-led.com/products/spydr-series

Ordering Guide

Family	Model	PhysioSpec™ SPECTRUM	INPUT VOLTAGE	PACK TYPE
SR SPYDR	3x47 390W, 47" x 43"	BW5 BROAD R5	LV 120-277 V AC JV¹ 208-480 V AC	S Single Pack
	3i33^{1,2} 500W, 47" x 30"	BW45 BROAD R45		
	3p47¹ 620W, 47" x 43"			
	3i47 700W, 47" x 43"			
	3i47 700W, 47" x 43"	BW4³ BROAD R4		
3h47 800W, 47" x 43"				
	3h47 800W, 47" x 43"	BW4a BROAD R4a		

1. Extended lead time applies. Consult Fluence operations for details.
2. Only available in LV 120-277V AC for the North American market.
3. 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 ₂	SR-3x47-BW5-LV-S	9124 017 02564
SPYDR3x47, BW5, 208-480V, SP		SR-3x47-BW5-JV-S	9124 017 02565
SPYDR3i33, BW45, 120-277V, SP	Flowering on 3 FT benches	SR-3x33-BW45-LV-S ¹	9124 017 02566
SPYDR3p47, BW45, 120-277V, SP	Medium PPFD Flowering	SR-3p47-BW45-LV-S ¹	9124 017 02567
SPYDR3p47, BW45, 208-480V, SP		SR-3p47-BW45-JV-S ¹	9124 017 02568
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 ¹	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 ¹	9124 017 02572
SPYDR3h47, BW4, 208-480V, SP		SR-3h47-BW4-JV-S	9124 017 07106

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

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 ¹	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, NEMA 5-15P Plug, M19 Push Lock, Max 125 V AC	North America	CAA-XXU3P9FN5P1.8	9124 017 01611	9124 016 88454	10
6 FT (1.8 m) AC Extension Cable, NEMA 6-15P Plug, M19 Push Lock, Max 250 V AC	North America	CAA-XXU3P9FN6P1.8	9124 017 01613	9124 016 88456	10
6 FT (1.8 m) AC Extension Cable, NEMA L7-15P Plug, M19 Push Lock, Max 277 V AC	North America	CAA-XXU3P9FL7P1.8	9124 017 01625	9124 016 55898	10
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, NEMA 6-15P Plug, M19 Push Lock, Max 250 V AC	North America	CAA-XXU3P9FN6P4.6	9124 017 01614	9124 016 88457	5
15 FT (4.6 m) AC Extension Cable, NEMA L7-15P Plug, M19 Push Lock, Max 277 V AC	North America	CAA-XXU3P9FL7P4.6	9124 017 01626	9124 016 55899	5
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 ¹	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 ¹	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 ¹	9124 017 01617	9124 016 88465	5

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

CABLE ADAPTERS

ACCESSORIES	Regional Commercial Code	Ordering PN 12NC Single Pack (S)	Ordering PN 12NC Bulk Pack (B)	Bulk Pack Carton Quantity
AC Adapter for Power Supply, Male Wieland Black to Female Leaf Green, Wieland Part #: 99.656.0000.7	AAA-XXU3WGFWMXXX ¹	9123 000 02483	9124 016 56112	20
AC Connector Adapter for Power Supply, Wieland to M19, STW PVC, M19 Push Lock (Male) to Wieland Part #: 96.031.0055.7 (Female), 6 IN (15 cm)	AAA-XXU3WGFPM0.1 ¹	9124 017 01608	9124 016 56068	20
AC Connector Adapter for Power Supply, Wieland Leaf Green to M19 Push Lock, Dca, Wieland 96.032.4055.7 (Male) to M19 Push Lock (Female), w/Ferrite, 0,20 m (8 IN)	AAE-XXD3P9FWGM0.2 ¹	9124 017 01609	9124 016 88466	10

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
3i33-BW45-LV	AC Current [A]	4.33	2.49	2.25	2.18	1.91	-	-	-
	AC Power [W]	515	504	503	503	503	-	-	-
3p47-BW45-LV	AC Current [A]	5.198	3.02	2.699	2.62	2.29	-	-	-
	AC Power [W]	621	610	604	603	603	-	-	-
3p47-BW45-JV	AC Current [A]	-	2.95	2.69	2.58	2.25	1.8	1.557	1.307
	AC Power [W]	-	603	601	601	600	600	598	596
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