

VYPR 3p LED TOP LIGHT

Featuring multiple spectra and high efficacy, the VYPR Series is Fluence's advanced solution for greenhouse supplemental lighting and indoor sole-source applications.



GROWER'S CHOICE OF SPECTRUM

From broad white to high red, Fluence PhysioSpec™ is offering BROAD and DUAL spectrum options on VYPR Series. This flexibility prioritizes the grower's needs in optimizing spectral content and light levels for any crop, at any growth stage, in any geographic location.

PhysioSpec™ BROAD Spectra offer photon emission across the PAR 400-700nm continuous wavelength range, balancing energy efficiency with quality of light for desired plant response and human work environment.

PhysioSpec™ DUAL Spectra feature two narrow spectral bands that maximize energy efficiency, aiming to further reduce energy cost and operational expense.



EFFICIENT AND POWERFUL

Built upon patented thermal management technologies, VYPR 3P features market leading efficacies and high light output per fixture, enabling the direct replacement of a 1000W HPS fixture at more than 40% energy savings.

High efficacy up to 3.8 $\mu\text{mol}/\text{J}$

High PPF up to 2330 $\mu\text{mol}/\text{s}$ per light fixture

With that, VYPR 3P further reduces the number of fixtures and system cost per lit area, lowering the capital investment and accelerating the adoption of LED horticultural lighting.

SPECIFICATIONS

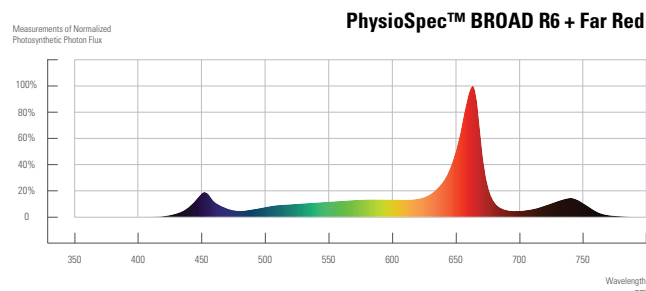
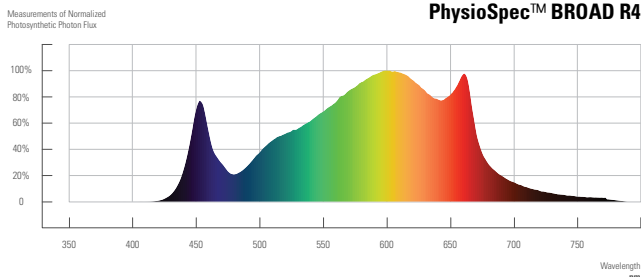
Light Distribution (Beam Angle)	120°
AC Input Voltage	120-277 V AC, 277-480 V AC, 50/60 Hz
Power Factor	> 0.98 (120-277 V AC); > 0.97 (277-480 V AC)
Total Harmonic Distortion	< 10%
Dimming	Dim to off, 1-10 V, 10-100%, M12 Connector
Thermal Management	Passive
Max. Ambient Temperature	95°F / 35°C
Lifetime L90	BROAD R6 + Far Red > 45,000 hrs Other Spectra > 50,000 hrs
Warranty	5 Year Limited
IP Rating	IP66
Certifications	DLC, ETL, cETL, CE, Wet Location
Industry Standards	DLC, UL1598, UL8750, UL8800, IEC 60598-1
UL 8750 Output Voltage Rating	Class 2
IEC 61347-1 Electrical Insulation	Class I
DLC Reported Application Position/Use case	Greenhouse, Indoor (Non-stacked), Top light/Sole-source or Supplemental

PHOTOSYNTHETIC PHOTON FLUX AND EFFICACY* (400-800 nm)

PhysioSpec™ SPECTRUM	LIGHT OUTPUT (400-700 nm) PPF (μmol/s)	LIGHT OUTPUT (400-800 nm) PPF (μmol/s)	Efficacy (PE) @ 277 V AC (μmol/J)
BROAD R3 (BW3)	1680	1715	2.7
BROAD R4 (BW4)	1663	1701	2.7
BROAD R6 (BP6)	1800	1820	3.0
BROAD R8 (BP8)	1965	1977	3.2
BROAD R9 (BP9)	2233	2248	3.6
DUAL R9B High Efficacy (HR9)	2330	2337	3.8
DUAL R9B (DR9)	2226	2233	3.6
DUAL R5B (DR5)	1690	1693	2.7
BROAD R4 + FAR RED (B4F)	1370	1656	2.7
BROAD R6 + FAR RED (B6F)	1663	1879	3.0
BROAD R8 + FAR RED (B8F)	1758	2023	3.3

Note1: Average value at thermally steady state. The Far Red contribution is from 700-800nm.

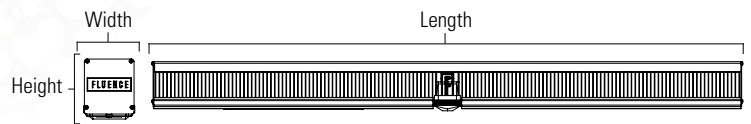
SPECTRUMS



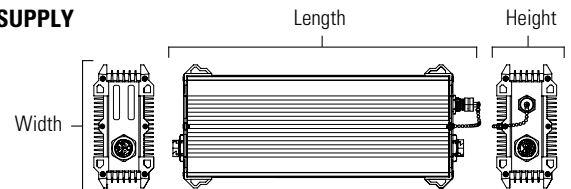
DIMENSIONS AND WEIGHT

PART	Length	Width	Height	Weight
VYPR 3p Light Fixture	42.17" 1071 mm	2.91" 74 mm	3.23" 82 mm	7.8 lb 3.5 kg
Power Supply LVG 600 W, 120-277 V AC	12.9" 33 cm	5.3" 13.4 cm	2.6-2.8" 6.7-7.0 cm	8.1-8.8 lb 3.7-4.0 kg
Power Supply HVG 600 W, 277-480 V AC	10-11.8" 25.4-30 cm	5.3-6.4" 13.4-16.3 cm	2.4-2.8" 6.3-7.0 cm	7.5-7.8 lb 3.4-3.5 kg

LIGHT BAR



POWER SUPPLY



NOMINAL ELECTRICAL AC INPUT

PhysioSpec™ SPECTRUM	AC VOLTAGE	120 V	208 V	230 V	277 V	347 V	400 V	480 V
BROAD R3 & BROAD R4	AC Current	5.34 A	3.01 A	2.72 A	2.24 A	1.81 A	1.56 A	1.30 A
	AC Power	641 W	626 W	625 W	620 W	628 W	624 W	623 W
BROAD R6	AC Current	5.25 A	2.96 A	2.67 A	2.20 A	1.78 A	1.53 A	1.28 A
	AC Power	630 W	615 W	614 W	610 W	617 W	614 W	612 W
BROAD R8	AC Current	5.31 A	2.99 A	2.70 A	2.23 A	1.80 A	1.55 A	1.29 A
	AC Power	637 W	622 W	621 W	617 W	625 W	621 W	620 W
BROAD R9	AC Current	5.37 A	3.01 A	2.82 A	2.35 A	1.82 A	1.59 A	1.35 A
	AC Power	641 W	627 W	626 W	624 W	623 W	622 W	619 W
DUAL R9B High Efficacy	AC Current	5.33 A	3.00 A	2.71 A	2.24 A	1.81 A	1.56 A	1.30 A
	AC Power	640 W	625 W	624 W	620 W	628 W	624 W	623 W
DUAL R9B	AC Current	5.34 A	3.01 A	2.72 A	2.25 A	1.81 A	1.56 A	1.30 A
	AC Power	641 W	626 W	625 W	623 W	628 W	624 W	623 W
DUAL R5B	AC Current	5.31 A	2.99 A	2.70 A	2.22 A	1.80 A	1.55 A	1.29 A
	AC Power	638 W	623 W	622 W	615 W	625 W	621 W	620 W
BROAD R4 + FAR RED	AC Current	5.23 A	2.95 A	2.66 A	2.20 A	1.80 A	1.55 A	1.29 A
	AC Power	628 W	613 W	612 W	609 W	625 W	621 W	621 W
BROAD R6 + FAR RED	AC Current	5.33 A	3.00 A	2.71 A	2.24 A	1.83 A	1.58 A	1.32 A
	AC Power	640 W	625 W	624 W	621 W	637 W	633 W	632 W
BROAD R8 + FAR RED	AC Current	5.28 A	2.97 A	2.68 A	2.21 A	1.82 A	1.57 A	1.30 A
	AC Power	633 W	618 W	617 W	613 W	630 W	627 W	626 W

* At 77°F (25°C) ambient temperature



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Patented Technology - Fluence VYPR products are covered by U.S. Patent 10,571,113.
Subject to change without notice, Tolerance ±10%
Horticultural lighting | Not suitable for household illumination.

SKU MATRIX FOR LIGHT FIXTURE AND POWER SUPPLY

FAMILY	MODEL	PhysioSpec™ SPECTRUM	INPUT VOLTAGE	PACKAGING
VR VYPR	3P Gen 3 PLUS	BW3 BROAD R3 BW4 BROAD R4 BP6 BROAD R6 BP8 BROAD R8 BP9 BROAD R9 HR9 DUAL R9B High Efficacy DR9 DUAL R9B DR5 DUAL R5B B4F BROAD R4 + FAR RED B6F BROAD R6 + FAR RED B8F BROAD R8 + FAR RED	LVG 120-277 V AC HVG 277-480 V AC	B Bulk Pack S Single Pack

DC CABLE (Fixture to Power Supply)

Description	Regional Commercial Code	Ordering PN 12NC Single Pack (S)	Ordering PN 12NC Bulk Pack (B)	Bulk Pack Carton Quantity
3 FT (0.91 m) DC Extension Cable, M19 Push Lock	CDG-XXU2P9MP9F0.9	9124 017 01619	9124 016 55876	10
6 FT (1.83 m) DC Extension Cable, M19 Push Lock	CDG-XXU2P9MP9F1.8'	9124 017 01620	9124 016 55880	10
18 IN (0.46 m) Right Angle DC Extension cable, M19 Push Lock - for Combo Mount, PSU Surface Mount	CDG-XXU2P9MR9F0.5	9124 017 01604	9124 016 55878	10

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

MOUNTING HARWARE

Description	Pcs per Kit	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Carton Quantity
Unistrut Wire Hanger Kit (kit for strut width ≤ 1-5/8" / 45 mm)	2	MT-VR-US-XX	9124 016 56297	9124 016 55884	20
Pipe Wire Hanger Kit (kit for pipe diameter ≤ 1-3/4" / 45 mm)	2	MT-VR-PI-XX	9124 016 56295	9124 016 55877	20
Square Wire Hanger Kit (for truss width ≤ 2-3/4" / 70 mm)	2	MT-VR-SQ-XX	9124 016 56296	9124 016 55897	20
Combo Mount Wire Hanger Kit	4	MT-V3-CB-XX	9124 016 56293	9124 016 55879	20
VYPR Perpendicular Mount Wire Hanger Kit (for strut 25x50 mm)	2	MT-VR-PP-XX	9124 016 56288	9124 016 56020	20
VYPR Parallel Mount Bracket Kit (for strut 25x50 mm)	2	MT-V3-PL-XX ¹	9124 016 56287	9124 016 56019	20
PSU LVG 600 W Power Supply Surface Mount Kit (For AC Input Voltage 277V ONLY)	2	MS-PS-MB-LV	9124 016 56292	9124 016 56011	10
PSU HVG 600 W (PHxG-V2C only) Power Supply Surface Mount Kit	2	MS-PS-MB-HV ¹	9124 016 56291	9124 016 56284	10

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

REFLECTOR KIT

Description	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Carton Quantity
VYPR 3P Reflector Kit 20 IN (2 Required per Fixture)	OF-V3-R0-XX ¹	9124 017 01705	9124 016 55885	40

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

DIMMING SIGNAL CABLE (Power Supply to Dimming Control)

Description	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	CCA-XXU3T2FL3X0.3	9124 017 01621	9124 016 55902	10
5 FT (1.52 m) Dimming Signal Cable, Pigtail, M12 Connector	CCA-XXU3T2FL3X1.5	9124 017 01622	9124 016 55881	10

AC POWER CABLE (Power Supply to AC Line)

Description	Regional Commercial Code	Ordering PN 12NC Single Pack (S)	Ordering PN 12NC Bulk Pack (B)	Bulk Pack Carton Quantity
6 FT (1.83 m) AC Extension Cable, NEMA 5-15P Plug, M19 Push Lock, Max 125 V AC	CAA-XXU3P9FN5P1.8	9124 017 01611	9124 016 88454	10
6 FT (1.83 m) AC Extension Cable, NEMA 6-15P Plug, M19 Push Lock, Max 250 V AC	CAA-XXU3P9FN6P1.8	9124 017 01613	9124 016 88456	10
6 FT (1.83 m) AC Extension Cable, NEMA L7-15P Plug, M19 Push Lock, Max 277 V AC	CAA-XXU3P9FL7P1.8	9124 017 01625	9124 016 55898	10
6 FT (1.83 m) AC Extension Cable, Pigtail, M19 Push Lock, Max 480 V AC	CAA-XXU3P9FL3X1.8	9124 017 01624	9124 016 55875	10
15 FT (4.57 m) AC Extension Cable, NEMA 5-15P Plug, M19 Push Lock, Max 125 V AC	CAA-XXU3P9FN5P4.6	9124 017 01612	9124 016 88455	5
15 FT (4.57 m) AC Extension Cable, NEMA 6-15P Plug, M19 Push Lock, Max 250 V AC	CAA-XXU3P9FN6P4.6	9124 017 01614	9124 016 88457	5
15 FT (4.57 m) AC Extension Cable, NEMA L7-15P Plug, M19 Push Lock, Max 277 V AC	CAA-XXU3P9FL7P4.6	9124 017 01626	9124 016 55899	5
15 FT (4.57 m) AC Extension Cable, Pigtail, M19 Push Lock, Max 480 V AC	CAA-XXU3P9FL3X4.6	9124 017 01610	9124 016 88461	5
6 FT (1.83 m) AC Extension Cable, Wieland 96.031.0055.7 Female, Max 480 V AC, 3 Conductors 18AWG STW Pigtail	CAA-XXU3WGL3X1.8	9124 017 01601	9124 016 56071	10
15 FT (4.57 m) AC Extension Cable, Wieland 96.031.0055.7 Female, Max 480 V AC, 3 Conductors 18AWG STW Pigtail	CAA-XXU3WGL3X4.6 ¹	9123 000 02588	9124 016 56072	5
6 FT (1.83 m) AC Extension Cable, NEMA L7-15P Plug, Wieland 96.031.0055.7 Female, Max 277 V AC	CAA-XXU3WGL7P1.8 ¹	9124 017 01602	9124 016 56069	10
15 FT (4.57 m) AC Extension Cable, NEMA L7-15P Plug, Wieland 96.031.0055.7 Female, Max 277 V AC	CAA-XXU3WGL7P4.6 ¹	9123 000 02486	9124 016 56070	5
6 FT (1.83 m) AC Cable, AXH3, Type I SAA Plug, M19 Push Lock Female	CAZ-XXS3P9FTIP1.8 ¹	9124 017 01618	9124 016 88467	10
6 FT (1.83 m) AC Cable, VDE H07RN-F, Pigtail, M19 Push Lock (CE countries)	CAR-XXV3P9FL3X1.8 ¹	9124 017 01616	9124 016 88464	10
15 FT (4.57 m) AC Cable, VDE H07RN-F, Pigtail, M19 Push Lock (CE countries)	CAR-XXV3P9FL3X4.6 ¹	9124 017 01617	9124 016 88465	5
3 FT (0.91 m) AC Extension Cable, VDE H07RN-F, Pigtail, Wieland Leaf Green, Max 480 V AC	CAE-XXH3WGL3X0.9 ¹	9124 016 56073	9124 016 56074	10
6 FT (1.83 m) AC Extension Cable, VDE H07RN-F, Pigtail, Wieland Leaf Green, Max 480 V AC	CAE-XXH3WGL3X1.8 ¹	9124 016 56075	9124 016 56076	10

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

CABLE ADAPTERS

Description	Regional Commercial Code	Ordering PN 12NC Single Pack (S)	Ordering PN 12NC Bulk Pack (B)	Bulk Pack Carton Quantity
AC Connector Adapter for Power Supply, M19 Screw Lock (Threaded Male) to Push Lock (Female), 18AWG, Male, 1 FT (0.30 m)	AAA-XXU3P9FT9M0.3 ¹	9124 017 01607	9124 016 56088	20
AC Connector Adapter for Power Supply, Wieland to M19, STW PVC, Wieland Part #: 96.032.0055.7 (Male) to M19 Push Lock (Female), 8 IN (0.20 m)	AAA-XXU3P9FWGM0.2	9124 016 56091	9124 016 56092	20
AC Connector Adapter for Power Supply, Wieland to M19, STW PVC, Wieland Part #: 96.032.0053.1 (Male) to M19 Push Lock (Female), 18 IN (0.46 m)	AAA-XXU3P9FWGM0.5 ¹	9124 016 56089	9124 016 56090	20
AC Connector Adapter for Power Supply, Wieland Black to Leaf Green, Wieland Part #: 99.656.0000.7 (Male Black to Female Leaf Green)	AAA-XXU3WGFWMXX	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-XXU3WGF9M0.1 ¹	9124 017 01608	9124 016 56068	20
Dimming Adapter for Power Supply, M16 Screw Lock (Threaded) Male to M12 Screw Lock (Female), UL 21996, 3 Pin, 6 IN (15 cm)	ACA-XXU3T2FT6M0.1 ¹	9124 017 01606	9124 017 01643	20

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



LIGHT BARS

PhysioSpec™ SPECTRUM	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Pallet Quantity
BROAD R3	VR-3P-BW3 ¹	9124 016 88486	9124 016 56299	56
BROAD R4	VR-3P-BW4	9124 016 88487	9124 016 88476	56
BROAD R6	VR-3P-BP6 ¹	9124 016 88490	9124 016 88479	56
BROAD R8	VR-3P-BP8	9124 016 88489	9124 016 88478	56
BROAD R9	VR-3P-BP9 ¹	9124 016 88496	9124 016 88485	56
DUAL R5B	VR-3P-DR5 ¹	9124 016 88491	9124 016 88480	56
DUAL R9B	VR-3P-DR9 ¹	9124 016 88488	9124 016 88477	56
DUAL R9B High Efficacy	VR-3P-HR9 ¹	9124 016 88492	9124 016 88481	56
BROAD R4 + Far Red	VR-3P-B4F ¹	9124 016 88494	9124 016 88483	56
BROAD R6 + Far Red	VR-3P-B6F ¹	9124 016 88493	9124 016 88482	56
BROAD R8 + Far Red	VR-3P-B8F ¹	9124 016 88495	9124 016 88484	56

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

LUMINAIRE AND POWER SUPPLY 12NCs

Description	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Quantity
VYPR 3p, BW3, 120-277 V	VR-3P-BW3-LVG ¹	9124 016 56038	9124 016 56050	Varies
VYPR 3p, BW4, 120-277 V	VR-3P-BW4-LVG	9124 016 56039	9124 016 56051	Varies
VYPR 3p, BP6, 120-277 V	VR-3P-BP6-LVG ¹	9124 016 55930	9124 016 56052	Varies
VYPR 3p, BP8, 120-277 V	VR-3P-BP8-LVG	9124 016 55931	9124 016 55974	Varies
VYPR 3p, BP9, 120-277 V	VR-3P-BP9-LVG ¹	9124 016 55932	9124 016 55975	Varies
VYPR 3p, DR5, 120-277 V	VR-3P-DR5-LVG ¹	9124 016 55933	9124 016 55976	Varies
VYPR 3p, DR9, 120-277 V	VR-3P-DR9-LVG ¹	9124 016 55934	9124 016 55977	Varies
VYPR 3p, HR9, 120-277 V	VR-3P-HR9-LVG ¹	9124 016 55935	9124 016 55978	Varies
VYPR 3p, B4F, 120-277 V	VR-3P-B4F-LVG ¹	9124 016 55937	9124 016 55980	Varies
VYPR 3p, B6F, 120-277 V	VR-3P-B6F-LVG ¹	9124 016 55936	9124 016 55979	Varies
VYPR 3p, B8F, 120-277 V	VR-3P-B8F-LVG ¹	9124 016 55938	9124 016 55981	Varies
VYPR 3p, BW3, 277-480 V	VR-3P-BW3-HVG ¹	9124 016 56040	9124 016 56053	Varies
VYPR 3p, BW4, 277-480 V	VR-3P-BW4-HVG	9124 016 55950	9124 016 56054	Varies
VYPR 3p, BP6, 277-480 V	VR-3P-BP6-HVG ¹	9124 016 55951	9124 016 55992	Varies
VYPR 3p, BP8, 277-480 V	VR-3P-BP8-HVG	9124 016 55952	9124 016 56055	Varies
VYPR 3p, BP9, 277-480 V	VR-3P-BP9-HVG ¹	9124 016 55953	9124 016 55993	Varies
VYPR 3p, DR5, 277-480 V	VR-3P-DR5-HVG ¹	9124 016 55954	9124 016 55994	Varies
VYPR 3p, DR9, 277-480 V	VR-3P-DR9-HVG ¹	9124 016 55955	9124 016 55995	Varies
VYPR 3p, HR9, 277-480 V	VR-3P-HR9-HVG ¹	9124 016 55956	9124 016 55996	Varies
VYPR 3p, B4F, 277-480 V	VR-3P-B4F-HVG ¹	9124 016 55958	9124 016 55997	Varies
VYPR 3p, B6F, 277-480 V	VR-3P-B6F-HVG ¹	9124 016 55957	9124 016 56056	Varies
VYPR 3p, B8F, 277-480 V	VR-3P-B8F-HVG ¹	9124 016 55959	9124 016 55998	Varies

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

LUMINAIRE WITH POWER SUPPLY (Retail Kits)

Description	Regional Commercial Code	Ordering PN 12NC Single Pack
VYPR 3p, Broad R4, LVG, 3 FT DC Cable, 11" Dimming Cable, Pipe Mount, Retail Kits	VR-3P-BW4-LV-03P-R	9124 017 01759



POWER SUPPLIES

AC Voltage	AC Connector Type	DC Current	Used with Spectrum	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Pallet Quantity
120-277 V	M19	11.7 A	BROAD R3 BROAD R4 BROAD R6 BROAD R9	PLMG-V3A-600-117	9124 016 56211	9124 016 56245	33
120-277 V	M19	11.4 A	BROAD R8 DUAL R5B DUAL R9B DUAL R9B HE BROAD R4 + Far Red BROAD R6 + Far Red BROAD R8 + Far Red	PLMG-V3A-600-114	9124 016 56220	9124 016 56254	33
277-480 V	M19	11.7 A	BROAD R3 BROAD R4 BROAD R6 BROAD R9	PHMG-V2C-600-117	9123 000 03431	9123 000 03433	24
277-480 V	M19	11.4 A	BROAD R8 DUAL R5B DUAL R9B DUAL R9B HE BROAD R4 + Far Red BROAD R6 + Far Red BROAD R8 + Far Red	PHMG-V2C-600-114	9123 000 03432	9123 000 03434	24

POWER SUPPLIES (with Wieland Connectors)

AC Voltage	AC Connector Type	DC Current	Used with Spectrum	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Pallet Quantity
120-277 V	Wieland RST	11.7 A	BROAD R3 BROAD R4 BROAD R6 BROAD R9	PLWG-V3B-600-117 ¹	9124 016 56216	9124 016 56250	33
120-277 V	Wieland RST	11.4 A	BROAD R8 DUAL R5B DUAL R9B DUAL R9B HE BROAD R4 + Far Red BROAD R6 + Far Red BROAD R8 + Far Red	PLWG-V3B-600-114 ¹	9124 016 56225	9124 016 56259	33
277-480 V	Wieland RST	11.7 A	BROAD R3 BROAD R4 BROAD R6 BROAD R9	PHWG-V2C-600-117	9124 016 56219	9124 016 56253	24
277-480 V	Wieland RST	11.4 A	BROAD R8 DUAL R5B DUAL R9B DUAL R9B HE BROAD R4 + Far Red BROAD R6 + Far Red BROAD R8 + Far Red	PHWG-V2C-600-114	9124 016 56228	9124 016 56262	24

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



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