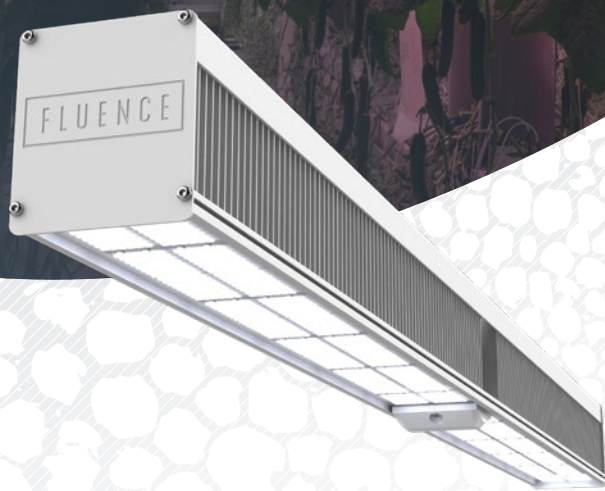


VYPR 3p LED TOP LIGHT

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, 347-480 V AC, 50/60 Hz
Power Factor	> 0.98 (120-277 V AC); > 0.97 (347-480 V AC)
Total Harmonic Distortion	< 10%
Dimming	Source Signal Driver, 0/1-10 V, OFF/ 10-100%
Thermal Management	Passive
Max. Ambient Temperature	104°F / 40°C
Lifetime L90	> 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

PHOTOSYNTHETIC PHOTON FLUX AND EFFICACY* (400-700 nm)

PHYSIOSPEC™ SPECTRUM	LIGHT OUTPUT PPF (400-700 nm) (μmol/s)	AC Power @ 277 V AC (W)	Efficacy (PPE) @ 277 V AC (μmol/J)	SKU ABBREVIATION
BROAD R3 (Greenhouse)	1680	620	2.7	VR-3P-BW3
BROAD R4 (Indoor)	1663	620	2.7	VR-3P-BW4
BROAD R6	1800	610	3.0	VR-3P-BP6
BROAD R8	1965	617	3.2	VR-3P-BP8
DUAL R9B High Efficacy	2330	620	3.8	VR-3P-HR9
DUAL R9B	2226	623	3.6	VR-3P-DR9
DUAL R5B (Antho)	1690	615	2.7	VR-3P-DR5

* Average value at thermally steady state
Please contact Fluence Sales for details of spectra

NOMINAL ELECTRICAL AC INPUT*

PHYSIOSPEC™ SPECTRUM	AC VOLTAGE	120 V	208 V	230 V	277 V	347 V	400 V	480 V
BROAD R3	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 R4	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 R6	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 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
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 (Antho)	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

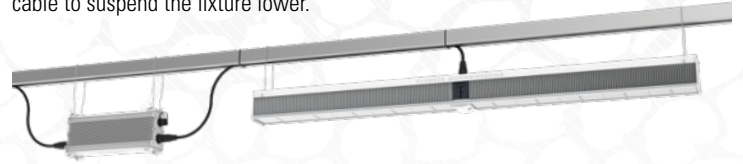
* At 77°F (25°C) ambient temperature

DIMENSIONS AND WEIGHT

PART	SKU Abb.	Length	Width	Height	Weight
VYPR 3p Light Fixture	VR-3P-XXX	42.17" 1071 mm	2.91" 74 mm	3.23" 82 mm	7.8 lb 3.5 kg
Power Supply PSU2 LVG 600 W, 120-277 V AC	VR-3P-xxx-LVG	13.43" 341 mm	5.26" 134 mm	2.56" 65 mm	7.1 lb 3.2 kg
Power Supply PSU2 HVG 600 W, 347-480 V AC	VR-3P-xxx-HVG	11.06" 281 mm	6.34" 161 mm	2.47" 63 mm	7.4 lb 3.4 kg

MOUNTING OPTIONS

WIRE HANGERS - These standard mounting options include Pipe, Unistrut and Square wire hangers. Ideal for mounting under the truss or pairing with chain or cable to suspend the fixture lower.



COMBO MOUNT - Stacking the light fixture and power supply under the truss allows individual VYPRs to be close to one another without a second support structure for hanging the power supplies.

For AC Input Voltage 277-480 V only



PSU2 SURFACE MOUNT - Mounting the power supply above the truss increases VYPR's distance to crops for better light uniformity, and allows VYPRs to be close to one another without a second support structure for hanging the power supplies.

For AC Input Voltage 277-480 V only



VYPR PARALLEL TO TRUSS MOUNT - This mounting option maximizes light fixture's distance to crops for better light uniformity, and clears the space under the truss for operating other equipment.



VYPR PERPENDICULAR TO TRUSS MOUNT - This mounting option allows the fixture to hang perpendicular to the truss to be in parallel to high-wire crop rows, providing better light uniformity without installing additional support structure.



Contact **FLUENCE**
support@fluence.science
www.fluence.science/VYPR

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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 (Greenhouse) BW4 BROAD R4 (Indoor) BP6 BROAD R6 BP8 BROAD R8 HR9 DUAL R9B High Efficacy DR9 DUAL R9B DR5 DUAL R5B (Antho)	LVG 120-277 V AC HVG 347-480 V AC	B Bulk Pack S Single Pack

PhysioSpec™ SPECTRUM	SKU Abbreviation	Part Number Light Fixture	DC Current	Part Number - Power Supply	
				PSU2 LVG 600 W 120-277 V AC	PSU2 HVG 600 W 347-480 V AC
BROAD R3 (Greenhouse)	VR-3P-BW3	10396	11.7 A	71530	71537
BROAD R4 (Indoor)	VR-3P-BW4	10397			
BROAD R6	VR-3P-BP6	10500			
BROAD R8	VR-3P-BP8	10499	11.4 A	10506	10509
DUAL R9B High Efficacy	VR-3P-HR9	10532			
DUAL R9B	VR-3P-DR9	10498			
DUAL R5B (Antho)	VR-3P-DR5	10501			

ORDERING CODES FOR ACCESSORIES

MOUNTING HARDWARE	Quantity per Light Fixture	Power Supply PSU2 LVG 600 W 120-277 V AC	Power Supply PSU2 HVG 600 W 347-480 V AC	Ordering Code	QTY/ Carton
Unistrut Wire Hanger (for strut width ≤ 1-5/8" / 45 mm)	1 Kit	1 Kit	1 Kit	AMV2-10120-20	20 Kits
Pipe Wire Hanger (for pipe diameter ≤ 1-3/4" / 45 mm)	1 Kit	1 Kit	1 Kit	AMV2-10121-20	20 Kits
Square Wire Hanger (for truss width ≤ 2-3/4" / 70 mm)	1 Kit	1 Kit	1 Kit	AMV2-10119-20	20 Kits
Combo Mount Wire Hanger (For AC Input Voltage 277-480 V ONLY)	1 Kit	1 Kit	1 Kit	AMV3-10569-20	20 Kits
PSU2 LVG 600 W surface mount Kit (For AC Input Voltage 277 V ONLY)	N/A	1 Kit	N/A	AMPS-10453-10	10 Kits
PSU2 HVG 600 W surface mount Kit	N/A	N/A	1 Kit	AMPS-10454-10	10 Kits
VYPR Parallel Mount bracket (for strut 25 x 50 mm)	1 Kit	N/A	N/A	AMV3-10571-20	20 Kits
VYPR Perpendicular Mount Wire Hanger (for strut 25 x 50 mm)	1 Kit	N/A	N/A	AMV3-10572-20	20 Kits
VYPR 3P Reflector Kit 20-inch	2 Kits	N/A	N/A	ARV3-10529-40	40 Kits
		N/A	N/A	ARV3-10529-10	10 Kits
DC POWER CABLES (Fixture to Power Supply)		Quantity per Light Fixture	Ordering Code	QTY/ Carton	
3-FT (0.91 m) DC Extension Cable, M19 Push Lock		1 pc	CDCG-70720-10	10 pcs	
6-FT (1.83 m) DC Extension Cable, M19 Push Lock		1 pc	CDCG-70721-10	10 pcs	
18-IN (0.46 m) Right Angle DC Extension cable, M19 Push Lock - for Combo Mount, PSU2 Surface Mount		1 pc	CDCG-71591-10	10 pcs	
AC POWER CABLE - AMERICAS (Power Supply to AC Line)		Quantity per Power Supply	Ordering Code	QTY/ Carton	
6-FT (1.83 m) AC Extension Cable, NEMA 5-15P Plug, M19 Push Lock, Max 125 V AC		1 pc	CACA-70748-10	10 pcs	
6-FT (1.83 m) AC Extension Cable, NEMA 6-15P Plug, M19 Push Lock, Max 250 V AC		1 pc	CACA-70750-10	10 pcs	
6-FT (1.83 m) AC Extension Cable, NEMA L7-15P Plug, M19 Push Lock, Max 277 V AC		1 pc	CACA-70752-10	10 pcs	
6-FT (1.83 m) AC Extension Cable, Pigtail, M19 Push Lock, Max 480 V AC		1 pc	CACA-70754-10	10 pcs	
15-FT (4.57 m) AC Extension Cable, NEMA 5-15P Plug, M19 Push Lock, Max 125 V AC		1 pc	CACA-70749-05	5 pcs	
15-FT (4.57 m) AC Extension Cable, NEMA 6-15P Plug, M19 Push Lock, Max 250 V AC		1 pc	CACA-70751-05	5 pcs	
15-FT (4.57 m) AC Extension Cable, NEMA L7-15P Plug, M19 Push Lock, Max 277 V AC		1 pc	CACA-70753-05	5 pcs	
15-FT (4.57 m) AC Extension Cable, Pigtail, M19 Push Lock, Max 480 V AC		1 pc	CACA-70755-05	5 pcs	
Wieland AC Connector Adapter for Power Supply, STW PVC, M19 Push Lock, 18-IN (0.46 m), Wieland Part #: 96.032.0053.1 (Male)		1 pc	CACA-71467-10	10 pcs	
DC DIMMING SIGNAL CABLE - AMERICAS (Power Supply to Dimming Control)		Quantity per Power Supply	Ordering Code	QTY/ Carton	
11-IN (0.28 m) dimming signal cable, pigtail, M12 connector		1 pc	CDMA-71561-10	10 pcs	
5-FT (1.53 m) dimming signal cable, pigtail, M12 connector		1 pc	CDMA-71560-10	10 pcs	





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