



VYPR P Series LED TOP LIGHT EU

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.

VYPR 2p



PHOTOSYNTHETIC PHOTON FLUX AND EFFICACY *

PHYSIOSPEC™ SPECTRUM	LIGHT OUTPUT PPF (μmol/s)	@400 V AC		@230 V AC		SKU ABBR.
		AC Power (W)	Efficacy (μmol/J)	AC Power (W)	Efficacy (μmol/J)	
BROAD R3	1700	625	2,7	632	2,7	VR-2P-BW3
BROAD R4	1700	625	2,7	632	2,7	VR-2P-BW4

* Nominal Photosynthetic Photon Flux (400-700 nm) at thermally steady state

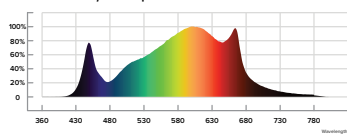
NOMINAL ELECTRICAL AC INPUT*

PHYSIOSPEC™ SPECTRUM	AC VOLTAGE	230 V	400 V
BROAD R3	AC Current	2,75 A	1,56 A
BROAD R4	AC Power	632 W	625 W

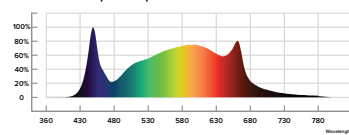
* At 25°C (77°F) ambient temperature

VYPR 2P SPECTRA

PhysioSpec™ BROAD R4



PhysioSpec™ BROAD R3



VYPR 2P SKU Matrix for Light Fixture and Power Supplies

FAMILY	MODEL	SPECTRUM	INPUT VOLTAGE	PACKAGING	
VR	VYPR 2P	Gen 2 Plus	BW3 BROAD R3 BW4 BROAD R4	LVG 230 V AC HVE 400 V AC	B Bulk Pack S Single Pack
PHYSIOSPEC™ SPECTRUM	SKU ABBR.	Part Number Light Fixture	DC Current	Part Number - Power Supply	
BROAD R3	VR-2P-BW3	10336	11,7 A	PSU2 LVG 600W 230 V AC	PSU2 HVE 600W 400 V AC
BROAD R4	VR-2P-BW4	10339	11,7 A	71530	71533

VYPR SYSTEM SPECIFICATIONS

Light Distribution (Beam Angle)	120° (158° with reflector)
AC Input Voltage	230 V AC, 400 V AC, 50Hz +/- 10%
Power Factor	> 0,98 (230 V AC); > 0,96 (400 V AC)
Total Harmonic Distortion	< 10%
Dimming	Source signal driver. 0/1-10 V, OFF/10-100%
Thermal Management	Passive
Max. Ambient Temperature	40°C / 104°F
Lifetime L90	> 50,000 hrs
Warranty	5 Year
IP Rating	IP66
Certifications	CE, ETL, cETL, Wet Location
Industry Standards	IEC 60598-1, DLC, UL1598, UL8750, UL8800
IEC 61347-1 Electrical Insulation	Class I

VYPR 3p



PHOTOSYNTHETIC PHOTON FLUX AND EFFICACY *

PHYSIOSPEC™ SPECTRUM	LIGHT OUTPUT PPF (μmol/s)	@400 V AC		@230 V AC		SKU ABBR.
		AC Power (W)	Efficacy (μmol/J)	AC Power (W)	Efficacy (μmol/J)	
BROAD R6	1800	607	3,0	614	2,9	VR-3P-BP6
BROAD R8	1965	614	3,2	621	3,2	VR-3P-BP8
DUAL R9B High Efficacy	2330	617	3,8	624	3,7	VR-3P-HR9
DUAL R9B	2226	618	3,6	625	3,6	VR-3P-DR9
DUAL R5B (Antho)	1690	615	2,7	622	2,7	VR-3P-DR5

* Nominal Photosynthetic Photon Flux (400-700nm) at thermally steady state
Please contact Fluence Sales for details of VYPR 3P Spectra

NOMINAL ELECTRICAL AC INPUT*

PHYSIOSPEC™ SPECTRUM	AC VOLTAGE	230 V	400 V
BROAD R6	AC Current	2,67 A	1,52 A
	AC Power	614 W	607 W
BROAD R8	AC Current	2,70 A	1,53 A
	AC Power	621 W	614 W
DUAL R9B High Efficacy	AC Current	2,71 A	1,54 A
	AC Power	624 W	617 W
DUAL R9B	AC Current	2,72 A	1,54 A
	AC Power	625 W	618W
DUAL R5B (Antho)	AC Current	2,70 A	1,54 A
	AC Power	622 W	615 W

* At 25°C (77°F) ambient temperature

VYPR 3P SKU Matrix for Light Fixture and Power Supplies

FAMILY	MODEL	SPECTRUM	INPUT VOLTAGE	PACKAGING	
VR	VYPR 3P	Gen 3 Plus	BP6 BROAD R6 BP8 BROAD R8 HR9 DUAL R9B High Efficacy DR9 DUAL R9B DR5 DUAL R5B (Antho)	LVG 230 V AC HVE 400 V AC	B Bulk Pack S Single Pack
PHYSIOSPEC™ SPECTRUM	SKU ABBR.	Part Number Light Fixture	DC Current	Part Number - Power Supply	
BROAD R6	VR-3P-BP6	10500	11,7 A	PSU2 LVG 600 W 230 V AC	PSU2 HVE 600 W 400 V AC
BROAD R8	VR-3P-BP8	10499	11,4 A	71530	71533
DUAL R9B High Efficacy	VR-3P-HR9	10532			
DUAL R9B	VR-3P-DR9	10498			
DUAL R5B (Antho)	VR-3P-DR5	10501			

DIMENSIONS AND WEIGHT

PART	SKU Abb.	Length	Width	Height	Weight
VYPR 2p Light Fixture	VR-2P-XXX	1172 mm	74 mm	82 mm	4,2 kg
		46,14"	2,91"	3,23"	9,25 lb
VYPR 3p Light Fixture	VR-3P-XXX	1071 mm	74 mm	82 mm	3,5 kg
		42,33"	2,91"	3,23"	7,8 lb
Power Supply PSU2 LVG 600 W, 230 V AC	VR-2P-xxx-LVG VR-3P-xxx-LVG	341 mm	134 mm	65 mm	3,2 kg
		13,43"	5,26"	2,56"	7,1 lb
Power Supply PSU2 HVE 600 W, 400 V AC	VR-2P-xxx-HVE VR-3P-xxx-HVE	311 mm	134 mm	65 mm	2,9 kg
		12,24"	5,26"	2,56"	6,4 lb

Contact **FLUENCE**

support@fluence-led.com

www.fluence.science/VYPR



PSU2 POWER SUPPLY

- Small form factor
- High efficiency
- Flexible mounting



VYPR Reflector

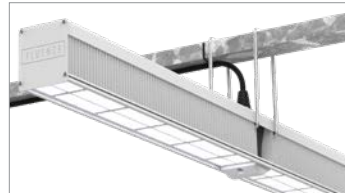
- Enhance light uniformity when mounted close to the crop
- Optimize spectral uniformity in HPS + LED hybrid lighting



MOUNTING OPTIONS



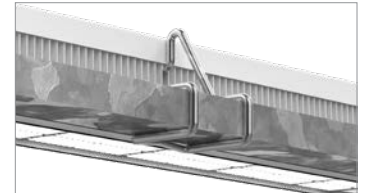
COMBO MOUNT



PERPENDICULAR MOUNT



WIRE HANGERS



PARALLEL MOUNT

ORDERING CODES FOR ACCESSORIES

MOUNTING HARDWARE	Quantity per Light Fixture	Power Supply PSU2 LVG 600 W 230 V AC	Power Supply PSU2 HVE 600 W 400 V AC	Ordering Code	QTY/ Carton
Unistrut Wire Hanger (for strut width ≤ 41 mm / 1,63")	1 Kit	1 Kit	1 Kit	AMV2-10120-20	20 Kits
Pipe Wire Hanger (for pipe diameter ≤ 44 mm / 1,75")	1 Kit	1 Kit	1 Kit	AMV2-10121-20	20 Kits
Square Wire Hangers (for truss width ≤ 70 mm / 2,75")	1 Kit	1 Kit	1 Kit	AMV2-10119-20	20 Kits
Combo Mount Wire Hanger (use with Right Angle DC Power Cable)	1 Kit	1 Kit	1 Kit	AMV3-10569-20	20 Kits
Perpendicular Mount Wire Hanger (for strut 25x50 mm)	1 Kit	N/A	N/A	AMV3-10572-20	20 Kits
Parallel Mount bracket (for strut 25x50 mm)	1 Kit	N/A	N/A	AMV3-10571-20	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
VYPR 2P Reflector Kit 22-inch	2 Kits	N/A	N/A	ARV2-10464-40	40 Kits
		N/A	N/A	ARV2-10516-10	10 Kits

DC POWER CABLES (Fixture to Power Supply)	Quantity per Light Fixture	Ordering Code	QTY/ Carton
0,91 m (3 FT) DC Cable, M19 Push Lock	1 pc	CDCG-70720-10	10 pcs
1,83 m (6 FT) DC Cable, M19 Push Lock	1 pc	CDCG-70721-10	10 pcs
46 cm (18 IN) Right Angle DC cable, M19 Push Lock - for Combo Mount or Parallel Mount	1 pc	CDCG-71591-10	10 pcs

AC POWER CABLE (Power Supply to AC Line)	Quantity per Power Supply	Ordering Code	QTY/ Carton
1,83 m (6 FT) AC Cable, VDE, Schuko Type F7 plug, M19 Push Lock, 230 V AC	1 pc	CACE-70774-10	10
1,83 m (6 FT) AC Cable, VDE, pigtail, M19 Push Lock (not for CE countries)	1 pc	CACE-71161-10	10
4,57 m (15 FT) AC Cable, VDE, Schuko Type F7 plug, M19 Push Lock, 230 V AC	1 pc	CACE-70775-05	5
4,57 m (15 FT) AC Cable, VDE, pigtail, M19 Push Lock (not for CE countries)	1 pc	CACE-71162-05	5
70 cm (27,6 IN) AC Cable, DCA, pigtail, M19 Push Lock (230/400 V CE application)	1 pc	CACE-71411-10	10
80 cm (31,5 IN) AC Cable, DCA, pigtail (used with adapter cable) Wieland connector Part #: 20i30F B2 ZR1S H GN02 (Female)	1 pc	CACE-71650-10	10
Wieland AC Connector Adapter for Power Supply, DCA cable, M19 Push Lock, 20 cm (8 inch) Wieland Part #: RST20i3F S2 ZR1SVH GN0 (Male)	1 pc	CACE-71576-10	10

DC DIMMING SIGNAL CABLE (Power Supply to dimmer or dimming control panel)	Quantity per Power Supply	Ordering Code	QTY/ Carton
80 cm (31,5 IN) dimming signal cable, CCA, pigtail, M12 connector	1 pc	CDME-71526-10	10

Contact **FLUENCE**

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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.

