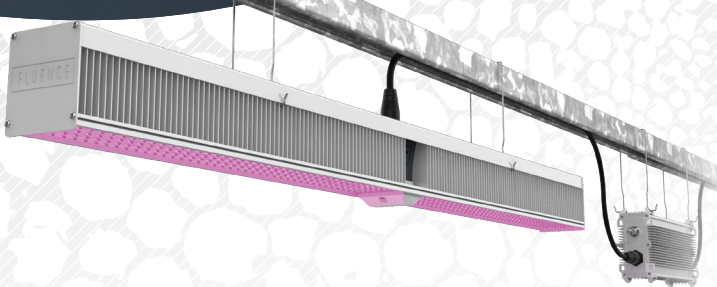




VYPR 3p LED TOP LIGHT EU

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.

SPECIFICATIONS

Light Distribution (Beam Angle)	120°
AC Input Voltage	230 V AC, 400 V AC, 50/60Hz
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	BROAD R6 + Far Red > 45,000 hrs, Other Spectra > 50,000 hrs
Warranty	5 Year Limited
IP Rating	IP66
Certifications	CE, ETL, cETL, wet location
Industry Standards	IEC 60598-1, UL1598, UL8750, UL8800
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)	@230 V AC		@400 V AC		SKU ABBR.
		AC Power (W)	Efficacy (PPE) (μmol/J)	AC Power (W)	Efficacy (PPE) (μmol/J)	
BROAD R3	1680	625	2,7	618	2,7	VR-3P-BW3
BROAD R4	1663	625	2,7	618	2,7	VR-3P-BW4
BROAD R6	1800	614	2,9	607	3,0	VR-3P-BP6
BROAD R8	1965	621	3,2	614	3,2	VR-3P-BP8
DUAL R9B High Efficacy	2330	624	3,7	617	3,8	VR-3P-HR9
DUAL R9B	2226	625	3,6	618	3,6	VR-3P-DR9
DUAL R5B	1690	622	2,7	615	2,7	VR-3P-DR5

PHOTON FLUX AND EFFICACY* (400-800 nm)

PHYSIOSPEC™ SPECTRUM	LIGHT OUTPUT PF (400-800 nm) (μmol/s)	FAR RED (700-800 nm) (μmol/s)	@230 V AC		@400 V AC		SKU ABBR.
			AC Power (W)	Efficacy (PE) (μmol/J)	AC Power (W)	Efficacy (PE) (μmol/J)	
BROAD R6 + Far Red	1878	216	624	3,0	617	3,0	VR-3P-B6F

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

NOMINAL ELECTRICAL AC INPUT*

PHYSIOSPEC™ SPECTRUM	AC VOLTAGE	230 V	400 V
		BROAD R3	AC Current
BROAD R4	AC Power	625 W	618 W
BROAD R6	AC Current	2,67 A	1,52 A
	AC Power	614 W	607 W
BROAD R6 + Far Red	AC Current	2,71 A	1,54 A
	AC Power	624 W	617 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	618 W
DUAL R5B	AC Current	2,70 A	1,54 A
	AC Power	622 W	615 W

* At 25°C (77°F) ambient temperature

DIMENSIONS AND WEIGHT

PART	SKU Abb.	Length	Width	Height	Weight
VYPR 3p Light Fixture	VR-3P-XXX	1071 mm 42,33"	74 mm 2,91"	82 mm 3,23"	3,5 kg 7,8 lb
Power Supply PSU2 LVG 600W 120-277 V AC	VR-3P-xxx-LVG	341 mm 13,43"	134 mm 5,26"	65 mm 2,56"	3,2 kg 7,1 lb
Power Supply PSU2 HVE 600W 347-400 V AC	VR-3P-xxx-HVE	311 mm 12,24"	134 mm 5,26"	65 mm 2,56"	2,9 kg 6,4 lb

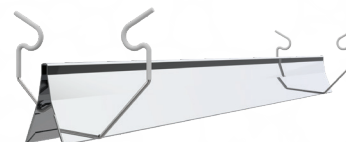
PSU2 POWER SUPPLY

- Small form factor
- High efficiency
- Flexible mounting

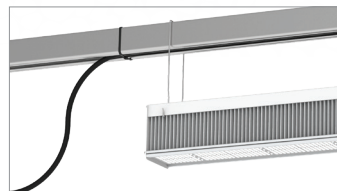


VYPR REFLECTOR

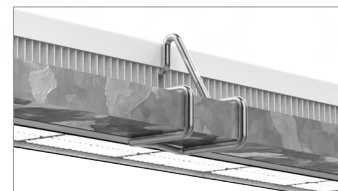
Enhance light uniformity when mounted close to the crop
Optimize spectral uniformity in HPS + LED hybrid lighting



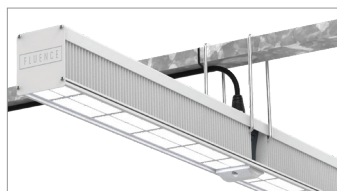
MOUNTING OPTION EXAMPLES



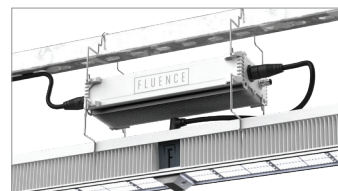
WIRE HANGERS



VYPR PARALLEL MOUNT



VYPR PERPENDICULAR MOUNT



COMBO MOUNT
400 V AC INPUT VOLTAGE ONLY



Contact **FLUENCE**
 emea@fluencebioengineering.com
 www.fluence-led.com/products/vypr-series/

© Copyright 2022 Fluence Bioengineering 2022-05
 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 B6F BROAD R6 + Far Red BP8 BROAD R8 HR9 DUAL R9B High Efficacy DR9 DUAL R9B DR5 DUAL R5B	LVG 230 V AC HVE 400 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 230 V AC	PSU2 HVE 600 W 400 V AC
BROAD R3	VR-3P-BW3	10396	11,7 A	71530	71533
BROAD R4	VR-3P-BW4	10397			
BROAD R6	VR-3P-BP6	10500			
BROAD R6 + Far Red	VR-3P-B6F	10612	11,4 A	10506	10507
BROAD R8	VR-3P-BP8	10499			
DUAL R9B High Efficacy	VR-3P-HR9	10532			
DUAL R9B	VR-3P-DR9	10498			
DUAL R5B	VR-3P-DR5	10501			

ORDERING CODES FOR ACCESSORIES

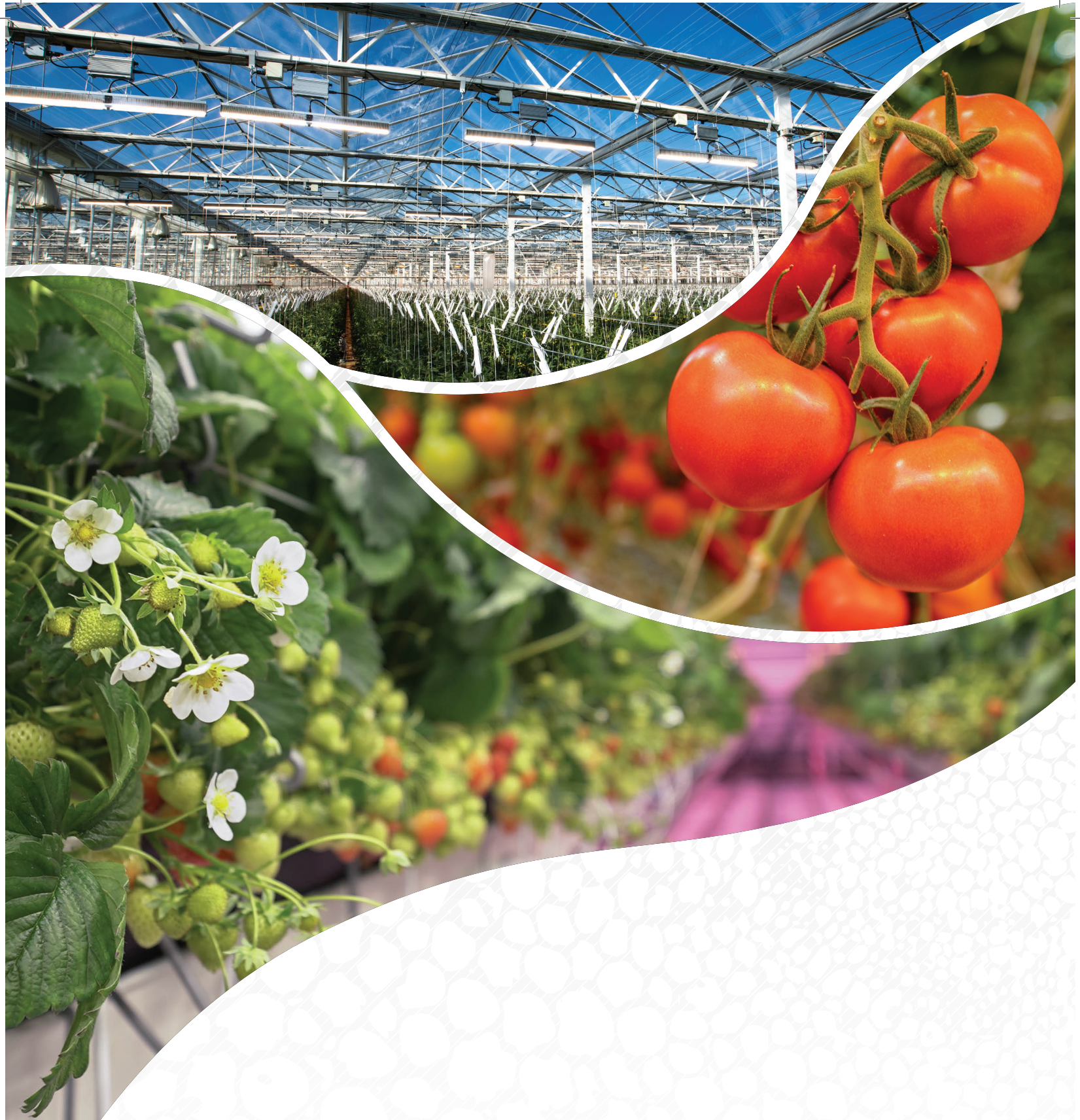
MOUNTING HARDWARE	Quantity per Light Fixture	Power Supply PSU2 LVG 600 W	Power Supply PSU2 HVE 600 W	Ordering Code	QTY/ Carton
Unistrut Wire Hanger (for strut width ≤ 45 mm / 1-5/8")	1 Kit	1 Kit	1 Kit	AMV2-10120-20	20 Kits
Pipe Wire Hanger (for pipe diameter ≤ 45 mm / 1-3/4")	1 Kit	1 Kit	1 Kit	AMV2-10121-20	20 Kits
Square Wire Hanger (for truss width ≤ 70 mm / 2-3/4")	1 Kit	1 Kit	1 Kit	AMV2-10119-20	20 Kits
Combo Mount Wire Hanger (For AC Input Voltage 400 V ONLY)	1 Kit	1 Kit	1 Kit	AMV3-10569-20	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 Parallel Mount Bracket (for strut 25 x 50 mm)	1 Kit	N/A	N/A	AMV3-10571-20	10 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
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, VYPR 3 Parallel Mount	1 pc	CDCG-71591-10	10 pcs

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

DC DIMMING SIGNAL CABLE - EUROPE (Power Supply to Dimming Control)	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





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