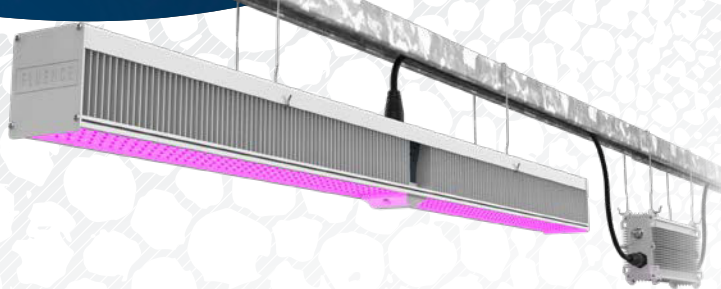




VYPR 3p LED TOP LIGHT EU

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
BROAD R9	2233	626	3,6	622	3,6	VR-3P-BP9
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 R4 + Far Red	1656	286	612	2,7	621	2,7	VR-3P-B4F
BROAD R6 + Far Red	1879	216	624	3,0	633	2,9	VR-3P-B6F
BROAD R8 + Far Red	2023	265	617	3,3	627	3,2	VR-3P-B8F

* 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	2,72 A	1,54 A
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 R8	AC Current	2,70 A	1,53 A
	AC Power	621 W	614 W
BROAD R9	AC Current	2,82 A	1,59 A
	AC Power	626 W	622 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	AC Current	2,70 A	1,54 A
	AC Power	622 W	615 W
BROAD R4 + Far Red	AC Current	2,66 A	1,55 A
	AC Power	612 W	621 W
BROAD R6 + Far Red	AC Current	2,71 A	1,58 A
	AC Power	624 W	633 W
BROAD R8 + Far Red	AC Current	2,68 A	1,57 A
	AC Power	617 W	627 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 LVG 600W 230 V AC	VR-3P-XXX-LVG	329 mm 12,95"	134 mm 5,26"	67-70 mm 2,62"-2,76"	3,6-4,0 kg 8,1-8,8 lb
Power Supply HVG 600W 400 V AC	VR-3P-XXX-HVG	254-299 mm 9,98-11,77"	134-163 mm 5,28-6,41"	63-70 mm 2,47-2,76"	3,4-3,54 kg 7,5-7,8 lb

PSU POWER SUPPLY

- Small form factor
- High efficiency
- Flexible mounting



VYPR REFLECTOR

Enhance light uniformity when mounted close to the crop

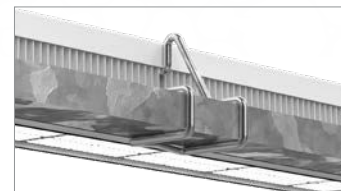
Optimize spectral uniformity in HPS + LED hybrid lighting



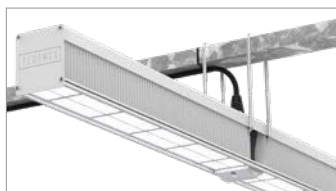
MOUNTING OPTION EXAMPLES



WIRE HANGERS



VYPR PARALLEL MOUNT



VYPR PERPENDICULAR MOUNT



COMBO MOUNT
400 V AC INPUT VOLTAGE ONLY



Contact **FLUENCE**

support@fluence-led.com

www.fluence-led.com/products/vypr-series/

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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	LVG	230 V AC	B	Bulk Pack
				BW4	BROAD R4				
				BP6	BROAD R6				
				BP8	BROAD R8				
				BP9	BROAD R9				
				DR5	DUAL R5B				
				DR9	DUAL R9B				
				HR9	DUAL R9B High Efficacy				
				B4F	BROAD R4 + Far Red				
				B6F	BROAD R6 + Far Red				
				B8F	BROAD R8 + Far Red				

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 (BW3)	VR-3P-BW3	9124 016 88486	9124 016 56299	56
BROAD R4 (BW4)	VR-3P-BW4	9124 016 88487	9124 016 88476	56
BROAD R6 (BP6)	VR-3P-BP6	9124 016 88490	9124 016 88479	56
BROAD R8 (BP8)	VR-3P-BP8	9124 016 88489	9124 016 88478	56
BROAD R9 (BP9)	VR-3P-BP9	9124 016 88496	9124 016 88485	56
DUAL R5B (DR5)	VR-3P-DR5	9124 016 88491	9124 016 88480	56
DUAL R9B (DR9)	VR-3P-DR9	9124 016 88488	9124 016 88477	56
DUAL R9B High Efficacy (HR9)	VR-3P-HR9	9124 016 88492	9124 016 88481	56
BROAD R4 + Far Red (B4F)	VR-3P-B4F	9124 016 88494	9124 016 88483	56
BROAD R6 + Far Red (B6F)	VR-3P-B6F	9124 016 88493	9124 016 88482	56
BROAD R8 + Far Red (B8F)	VR-3P-B8F	9124 016 88495	9124 016 88484	56

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
230 V	M19	11,7 A	BROAD R3 BROAD R4 BROAD R6 BROAD R9	PLMG-V3A-600-117	9124 016 56211	9124 016 56245	33
230 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
400 V	M19	11,7 A	BROAD R3 BROAD R4 BROAD R6 BROAD R9	PHMG-V2C-600-117	9123 000 03431	9123 000 03433	24
400 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
230 V	Wieland RST	11,7 A	BROAD R3 BROAD R4 BROAD R6 BROAD R9	PLWG-V3B-600-117	9124 016 56216	9124 016 56250	33
230 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	9124 016 56225	9124 016 56259	33
400 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
400 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

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
0,91 m (3 FT) DC Cable, M19 Push Lock	CDG-XXU2P9MP9F0.9	9124 017 01619	9124 016 55876	10
1,83 m (6 FT) DC Cable, M19 Push Lock	CDG-XXU2P9MP9F1.8	9124 017 01620	9124 016 55880	10
46 cm (18 IN) Right Angle DC cable, M19 Push Lock - for Combo Mount, VYPR 3 Parallel Mount	CDG-XXU2P9MR9F0.5	9124 017 01604	9124 016 55878	10

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 (for strut width ≤ 1-5/8" / 45 mm)	2	MT-VR-US-XX	9124 016 56297	9124 016 55884	20
Pipe Wire Hanger 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 (For AC Input Voltage 400 V ONLY)	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 56019	20
VYPR Parallel Mount Bracket Kit (for strut 25x50 mm)	2	MT-V3-PL-XX	9124 016 56287	9124 016 56020	20
PSU HVG 600 W (PHxG-V2C only) Power Supply Surface Mount Kit	2	MS-PS-MB-HV	9124 016 56291	9124 016 56284	10

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
80 cm (31,5 IN) Dimming Signal Cable, Cca, Pigtail, M12 Connector	CCE-XXC3T2FL3X0.8	9124 017 01623	9124 016 55883	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
1,83 m (6 FT) AC Cable, VDE H07RN-F, Schuko Type F7 Plug, M19 Push Lock, 250 V AC	CAE-XXV3P9FF7P1.8	9124 017 01628	9124 016 55901	10
1,83 m (6 FT) AC Cable, VDE H07RN-F, Pigtail, M19 Push Lock (CE countries)	CAR-XXV3P9FL3X1.8	9124 017 01616	9124 016 88464	10
4,57 m (15 FT) AC Cable, VDE H07RN-F, Schuko Type F7 Plug, M19 Push Lock, 250 V AC	CAE-XXV3P9FF7P4.6	9124 017 01615	9124 016 88463	5
4,57 m (15 FT) AC Cable, VDE H07RN-F, Pigtail, M19 Push Lock (CE countries)	CAR-XXV3P9FL3X4.6	9124 017 01617	9124 016 88465	5
70 cm (27.6 IN) AC Cable, Dca, Pigtail, M19 Push Lock (400V CE application)	CAE-XXD3P9FL3X0.7	9124 017 01627	9124 016 55887	10
80 cm (31.5 IN) AC Cable, Dca, Pigtail (use with adapter cable) Wieland 96.031.0055.7 Greenleaf (Female)	CAE-XXD3WGFL3X0.8	9124 016 56106	9124 016 56107	10
80 cm (31.5 IN) AC Cable, VDE, Pigtail, M19 Push Lock (Female), H07RN-F, w/Ferrite	CAR-XXV3P9FL3X0.8	9124 016 56110	9124 016 56111	10
1,83 m (6 FT) AC Extension Cable, Wieland 96.031.0055.7 Female, Max 600 V AC, 3 Conductors VDE H07RN-F Pigtail	CAE-XXH3WGFL3X1.8	9124 016 56075	9124 016 56076	10
0,91 m (3 FT) AC Extension Cable, Wieland 96.031.0055.7 Female, Max 600 V AC, 3 Conductors VDE H07RN-F Pigtail	CAE-XXH3WGFL3X0.9	9124 016 56073	9124 016 56074	10

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, 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	9124 017 01609	9124 016 88466	10

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	9124 017 01705	9124 016 55885	40





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