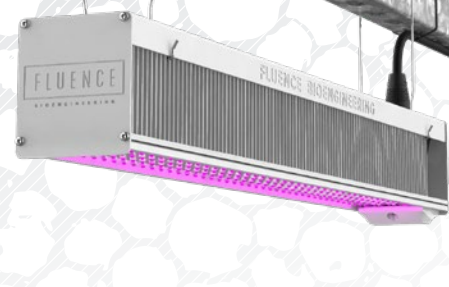


## VYPR 3X LED TOP LIGHT EU

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 3X features market leading efficacies up to 3.7  $\mu\text{mol}/\text{J}$ , enabling the replacement of HPS lights with significant energy savings.

At a half of VYPR 3P's size and power, VYPR 3X is ideal for distributing light uniformly in grow environments with constrained ceiling heights. VYPR 3X is also suitable for low DLI crops, and for extension of the natural photoperiod.

Combined with Fluence's beam widening reflectors, VYPR 3X further improves light uniformity and provides consistent light levels even when fixtures are mounted close to the crops.



## SPECIFICATIONS

Light Distribution (Beam Angle)	120°
AC Input Voltage	230 V AC, 400 V AC, 50 Hz (± 10%)
Power Factor	> 0,96 (230 V AC); > 0,95 (400 V AC)
Total Harmonic Distortion (THD)	< 20%
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 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 \*

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	888	340	2,6	335	2,7	VR-3X-BW3
BROAD R4	876	340	2,6	335	2,6	VR-3X-BW4
BROAD R6	912	317	2,9	312	2,9	VR-3X-BP6
BROAD R8	994	319	3,1	314	3,2	VR-3X-BP8
DUAL R9B High Efficacy	1200	327	3,7	322	3,7	VR-3X-HR9
DUAL R9B	1134	328	3,5	323	3,5	VR-3X-DR9
DUAL R5B	878	330	2,7	325	2,7	VR-3X-DR5

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

## NOMINAL ELECTRICAL AC INPUT\*

PHYSIOSPEC™ SPECTRUM	AC VOLTAGE	230 V	400 V
BROAD R3 BROAD R4	AC Current	1,46 A	0,85 A
	AC Power	335 W	340 W
BROAD R6	AC Current	1,36 A	0,79 A
	AC Power	312 W	317 W
BROAD R8	AC Current	1,36 A	0,80 A
	AC Power	314 W	319 W
DUAL R9B High Efficacy	AC Current	1,40 A	0,82 A
	AC Power	322 W	327 W
DUAL R9B	AC Current	1,40 A	0,82 A
	AC Power	323 W	328 W
DUAL R5B	AC Current	1,41 A	0,82 A
	AC Power	325 W	330 W

\* At 25°C (77°F) ambient temperature

## DIMENSIONS AND WEIGHT

PART	SKU ABBR.	Length	Width	Height	Weight
VYPR 3x Light Fixture	VR-3X-XXX	612 mm 24,09"	74 mm 2,91"	82 mm 3,23"	2,2 kg 4,8 lb
Power Supply PSU2 LVG 320 W, 230 V AC	VR-3X-xxx-LVG	320 mm 12,60"	109 mm 4,29"	65 mm 2,56"	2,3 kg 4,9 lb
Power Supply PSU2 HVE 320 W, 400 V AC	VR-3X-xxx-HVE	320 mm 12,60"	109 mm 4,29"	65 mm 2,56"	2,3kg 4,9 lb

## PSU2 POWER SUPPLY

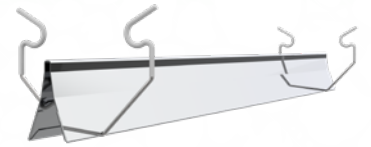
- Small form factor
- High efficiency
- Flexible mounting



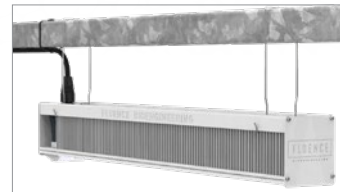
## VYPR REFLECTOR

Enhance light uniformity when mounted close to the crop

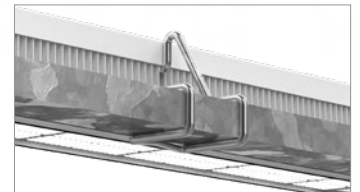
Optimize spectral uniformity in HPS + LED hybrid lighting



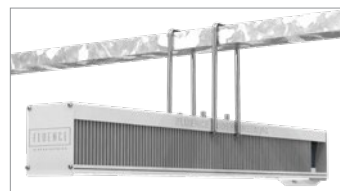
## MOUNTING OPTION EXAMPLES



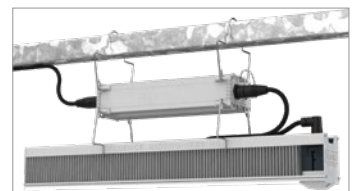
WIRE HANGERS



VYPR PARALLEL MOUNT



VYPR PERPENDICULAR MOUNT



COMBO MOUNT



Contact **FLUENCE**

emea@fluencebioengineering.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	
<b>VR</b>	VYPR	<b>3X</b>	Gen 3X	<b>BW3</b>	BROAD R3	<b>LVG</b>	230 V AC	<b>B</b>	Bulk Pack
				<b>BW4</b>	BROAD R4	<b>HVE</b>	400 V AC	<b>S</b>	Single Pack
				<b>BP6</b>	BROAD R6				
				<b>BP8</b>	BROAD R8				
				<b>HR9</b>	DUAL R9B High Efficacy				
				<b>DR9</b>	DUAL R9B				
				<b>DR5</b>	DUAL R5B				

PhysioSpec™ SPECTRUM	SKU Abbreviation	Part Number Light Fixture	DC Current	Part Number - Power Supply	
				PSU2 LVG 320 W 230 V AC	PSU2 HVE 320 W 400 V AC
<b>BROAD R3</b>	VR-3X-BW3	10542	6,2 A	71531	71534
<b>BROAD R4</b>	VR-3X-BW4	10543			
<b>BROAD R6</b>	VR-3X-BP6	10519			
<b>BROAD R8</b>	VR-3X-BP8	10518			
<b>DUAL R9B High Efficacy</b>	VR-3X-HR9	10533	5,9 A	10534	10535
<b>DUAL R9B</b>	VR-3X-DR9	10517			
<b>DUAL R5B</b>	VR-3X-DR5	10530			

## ORDERING CODES FOR ACCESSORIES

MOUNTING HARDWARE	Quantity per Light Fixture	Power Supply PSU2 LVG 320 W 230 V AC	Power Supply PSU2 HVE 320 W 400 V AC	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 25x50 mm)	1 Kit	N/A	N/A	AMV3-10572-20	20 Kits
VYPR Parallel Mount Bracket (for strut 25x50 mm)	1 Kit	N/A	N/A	AMV3-10571-20	20 Kits
VYPR 3X Reflector Kit 22-inch	1 kit	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, VYPR 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, 230V 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, 230V 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 (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 pcs







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