



VYPR DUO 3x2

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 3X2 features market leading efficacies up to 3.8 $\mu\text{mol}/\text{J}$, enabling the replacement of HPS lights with significant energy savings.

Compared to VYPR 3P, at the same mounting height, **VYPR 3X2 Remote Mount** can distribute the same amount of light to a much larger grow area. It provides a cost-effective solution for grow environments with constrained ceiling heights, such as indoor or low greenhouses.

Compared to VYPR 3P, **VYPR 3X2 Cradle Mount** emits the same amount of light but at a half of VYPR 3P's fixture length. This allows the installation of many more fixtures on a single truss, drastically increasing the available light per truss for high PPFD applications.

SPECIFICATIONS

Light Distribution (Beam Angle)	120°
AC Input Voltage	120-277 V, 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	95°F / 35°C
Lifetime L90	> 50,000 hrs
Warranty	5 Year Limited
IP Rating	IP66
Certifications	ETL, cETL, CE, wet location
Industry Standards	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)	1692	617	2.7	VR-3X2-BW3
BROAD R4 (Indoor)	1665	620	2.7	VR-3X2-BW4
BROAD R6	1801	609	3.0	VR-3X2-BP6
BROAD R8	1929	601	3.2	VR-3X2-BP8
DUAL R9B High Efficacy	2317	613	3.8	VR-3X2-HR9
DUAL R9B	2195	616	3.6	VR-3X2-DR9
DUAL R5B (Antho)	1704	620	2.7	VR-3X2-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	2.23 A	1.81 A	1.56 A	1.30 A
	AC Power	641 W	626 W	625 W	617 W	628 W	624 W	623 W
BROAD R4	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 R6	AC Current	5.24 A	2.95 A	2.66 A	2.20 A	1.77 A	1.53 A	1.27 A
	AC Power	628 W	613 W	613 W	609 W	615 W	612 W	611 W
BROAD R8	AC Current	5.18 A	2.92 A	2.64 A	2.17 A	1.76 A	1.51 A	1.26 A
	AC Power	622 W	607 W	606 W	601 W	609 W	606 W	604 W
DUAL R9B High Efficacy	AC Current	5.28 A	2.97 A	2.68 A	2.21 A	1.79 A	1.54 A	1.28 A
	AC Power	633 W	618 W	617 W	613 W	620 W	617 W	616 W
DUAL R9B	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	637 W	622 W	621 W	616 W	624 W	621 W	619 W
DUAL R5B	AC Current	5.35 A	3.01 A	2.72 A	2.24 A	1.81 A	1.56 A	1.30 A
	AC Power	642 W	627 W	626 W	620 W	629 W	625 W	624 W

* At 77°F (25°C) ambient temperature

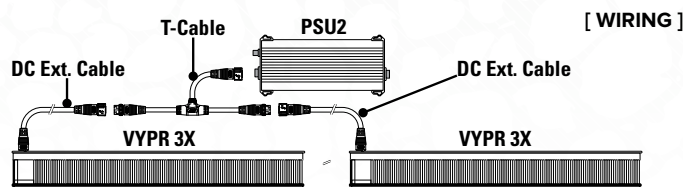
DIMENSIONS AND WEIGHT

PART	SKU Abbr.	Length	Width	Height	Weight
VYPR 3x Single Light Fixture	VR-3X2-XXX	24.09" 612 mm	2.91" 74 mm	3.23" 82 mm	4.8 lb 2.2 kg
VYPR 3x2 Cradle Mount	VR-3X2-XXX	24.09" 612 mm	9.26" 235 mm	7.0" 178 mm	17.7 lb 8.0 kg
Power Supply PSU2 LVG 600 W, 120-277 V AC	VR-3X2-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-3X2-xxx-HVG	11.06" 281 mm	6.34" 161 mm	2.47" 63 mm	7.4 lb 3.4 kg

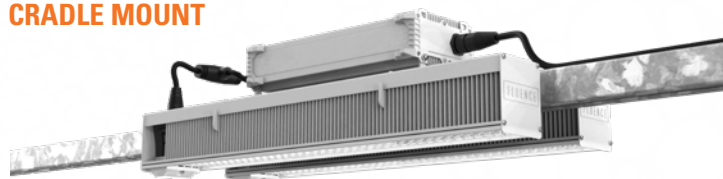
MOUNTING OPTIONS

Please refer to VYPR 3X2 User and Installation Guide for mounting details.

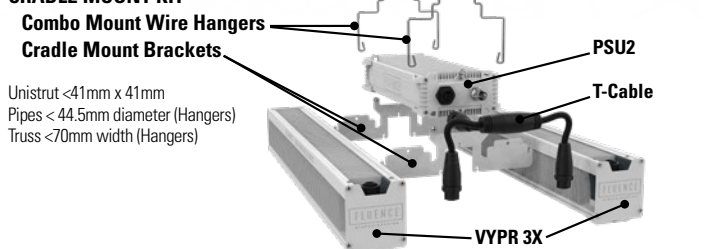
REMOTE MOUNT



CRADLE MOUNT



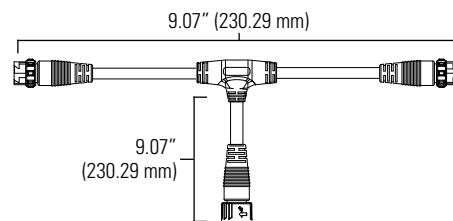
CRADLE MOUNT KIT



DC 1-T CABLE

CDCG-70902-10

Required for both configurations



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	3X2 Gen 3 X DUO	BW3	BROAD R3 (Greenhouse)	LVG	120-277 V AC	B	Bulk Pack	S Single Pack
		BW4	BROAD R4 (Indoor)	HVG	347-480 V AC			
		BP6	BROAD R6					
		BP8	BROAD R8					
		HR9	DUAL R9B High Efficacy					
		DR9	DUAL R9B					
		DR5	DUAL R5B (Antho)					
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-3X2-BW3	10542	11.7 A	71530		71537	
BROAD R4 (Indoor)		VR-3X2-BW4	10543					
BROAD R6		VR-3X2-BP6	10519					
BROAD R8		VR-3X2-BP8	10518	11.4 A	10506		10509	
DUAL R9B High Efficacy		VR-3X2-HR9	10533					
DUAL R9B		VR-3X2-DR9	10517					
DUAL R5B (Antho)		VR-3X2-DR5	10530					

ORDERING CODES FOR ACCESSORIES

MOUNTING OPTIONS	MOUNTING HARDWARE	Quantity per VYPR 3X2 Fixtures	Power Supply PSU2 LVG 600 W 120-277 V AC	Power Supply PSU2 HVG 600 W 347-480 V AC	Ordering Code	QTY/ Carton
ALL	VYPR 3X Reflector Kit 22-inch	2 Kits	N/A	N/A	ARV2-10464-40	40 Kits
VYPR 3x2 Cradle Mount	VYPR Cradle Mount Kit for System with LVG/HVE 600 W PSU2 Power Supply	N/A	1 Kit	N/A	AMV3-10492-10	10 Kits
	VYPR Cradle Mount Kit for System with HVG 600 W PSU2 Power Supply	N/A	N/A	1 Kit	AMV3-10493-10	10 Kits
VYPR 3x2 Remote Mount	Unistrut Wire Hanger (for strut width ≤ 1-5/8" / 45 mm)	2 Kits	1 Kit	1 Kit	AMV2-10120-20	20 Kits
	Pipe Wire Hanger (for pipe diameter ≤ 1-3/4" / 45 mm)	2 Kits	1 Kit	1 Kit	AMV2-10121-20	20 Kits
	Square Wire Hanger (for truss width ≤ 2-3/4" / 70 mm)	2 Kits	1 Kit	1 Kit	AMV2-10119-20	20 Kits
	VYPR Perpendicular Mount Wire Hanger (for strut 25x50 mm)	2 Kits	N/A	N/A	AMV3-10572-20	20 Kits
	VYPR Parallel Mount Bracket (for strut 25x50 mm)	2 Kits	N/A	N/A	AMV3-10571-20	20 Kits
	PSU2 LVG 600 W Power Supply Surface Mount Kit	N/A	1 Kit	N/A	AMPS-10453-10	10 Kits
	PSU2 HVG 600 W Power Supply Surface Mount Kit	N/A	N/A	1 Kit	AMPS-10454-10	10 Kits

MOUNTING OPTIONS	DC POWER CABLES (Fixture to Power Supply)	Quantity per VYPR 3X2 System	Ordering Code	QTY/ Carton
VYPR 3x2 Cradle Mount	DC 1-T Extension Cable, M19 Push Lock	1 pc	CDCG-70902-10	10 pcs
VYPR 3x2 Remote Mount OPTION 1	DC 1-T Extension Cable, M19 Push Lock	1 pc	CDCG-70902-10	10 pcs
	3-FT DC Extension Cable, M19 Push Lock	2 pcs	CDCG-70720-10	10 pcs
VYPR 3x2 Remote Mount OPTION 2	DC 1-T Extension Cable, M19 Push Lock	1 pc	CDCG-70902-10	10 pcs
	6-FT DC Extension Cable, M19 Push Lock	2 pcs	CDCG-70721-10	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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