



VYPR 3x DUO, X2

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 $\mu\text{mol/J}$, 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, 277-480 V AC, 50/60 Hz
Power Factor	> 0.98 (120-277 V AC); > 0.97 (277-480 V AC)
Total Harmonic Distortion	< 10%
Dimming	Dim to off, 1-10 V, 10-100%, M12 Connector
Thermal Management	Passive
Max. Ambient Temperature	104°F / 40°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
DLC Reported Application Position/Use case	Greenhouse, Indoor (Non-stacked), Top light/Sole-source or Supplemental

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 (BW3)	1692	617	2.7	VR-3X2-BW3
BROAD R4 (BW4)	1665	620	2.7	VR-3X2-BW4
BROAD R6 (BP6)	1801	609	3.0	VR-3X2-BP6
BROAD R8 (BP8)	1929	601	3.2	VR-3X2-BP8
DUAL R9B High Efficacy (HR9)	2317	613	3.8	VR-3X2-HR9
DUAL R9B (DR9)	2195	616	3.6	VR-3X2-DR9
DUAL R5B (DR5)	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

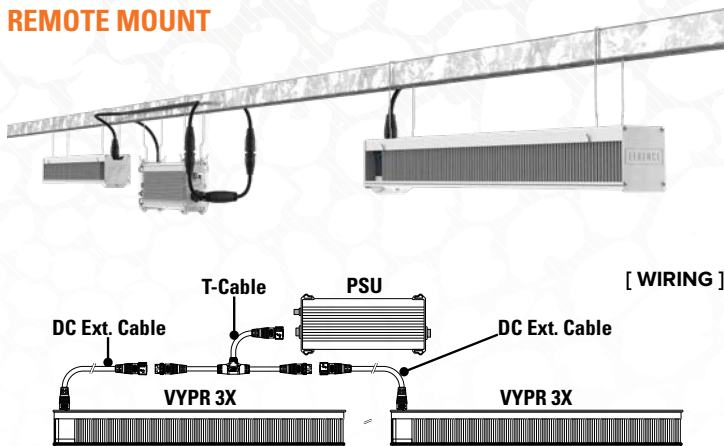
DIMENSIONS AND WEIGHT

PART	SKU Abbr.	Length	Width	Height	Weight
VYPR 3x Single Light Fixture	VR-3X-XXX	24.09" 612 mm	2.91" 74 mm	3.23" 82 mm	4.8 lb 2.2 kg
VYPR 3x2 Cradle or Remote Mount	VR-3X2-XXX	24.09" 612 mm	9.26" 235 mm	7.0" 178 mm	17.7 lb 8.0 kg
Power Supply 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 HVG 600 W, 277-480 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

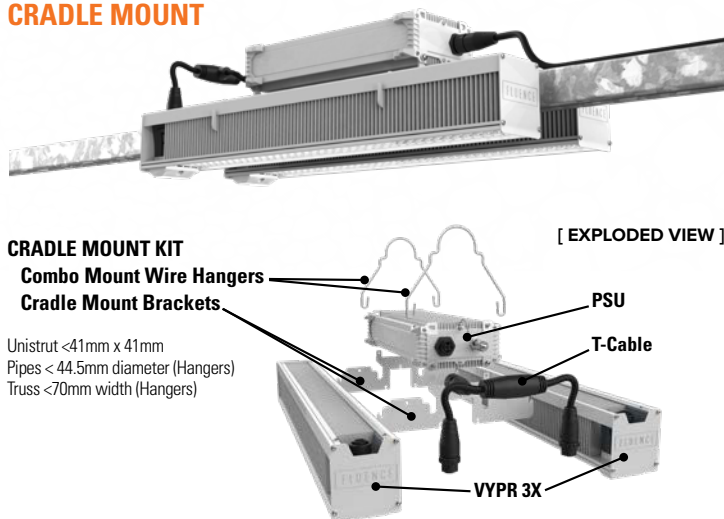
Please refer to VYPR 3X2 User and Installation Guide for mounting details.

REMOTE MOUNT



[WIRING]

CRADLE MOUNT



[EXPLODED VIEW]

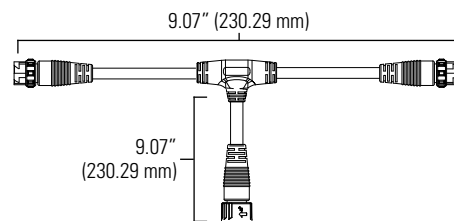
CRADLE MOUNT KIT

Combo Mount Wire Hangers
Cradle Mount Brackets

Unistrut <41mm x 41mm
Pipes <44.5mm diameter (Hangers)
Truss <70mm width (Hangers)

DC 1-T CABLE (CDG-XXU2D9MP9F0.1)

Required for both configurations



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.

LIGHT BAR AND POWER SUPPLY COMBINATION

FAMILY	MODEL	PhysioSpec™ SPECTRUM	INPUT VOLTAGE	PACKAGING
VR VYPR	3X2 Gen 3 X DUO	BW3 BROAD R3 BW4 BROAD R4 BP6 BROAD R6 BP8 BROAD R8 HR9 DUAL R9B High Efficacy DR9 DUAL R9B DR5 DUAL R5B	LVG 120-277 V AC HVG 277-480 V AC	B Bulk Pack S Single Pack

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
3 FT (0.91 m) DC Extension Cable, M19 Push Lock (2 per System)	CDG-XXU2P9MP9F0.9	9124 017 01619	9124 016 55876	10
6 FT (1.83 m) DC Extension Cable, M19 Push Lock (2 per System)	CDG-XXU2P9MP9F1.8'	9124 017 01620	9124 016 55880	10
3 IN (7.6 cm) DC T-Extension Cable, M19 Push Lock (1 per System - for use with Cradle Mount Kit, or Remote Mount PSU with DC Extension Cables sold separately)	CDG-XXU2D9MP9F0.1	9124 017 01603	9124 016 55882	10

1. Extended leadtime applies. Consult Fluence operations for details.

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	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 ¹	9124 016 56287	9124 016 56020	20
VYPR Cradle Mount Kit for System with LVG 600 W PSU Power Supply	2	MT-V3-CR-LV ¹	9124 016 56286	9124 016 56017	10
VYPR Cradle Mount Kit for System with HVG 600 W PSU Power Supply	2	MT-V3-CR-HV ¹	9124 016 55346	9124 016 56018	10
PSU LVG 600 W Power Supply Surface Mount Kit (For AC Input Voltage 277V ONLY)	2	MS-PS-MB-LV	9124 016 56292	9124 016 56011	10
PSU HVG 600 W (PHxG-V2C only) Power Supply Surface Mount Kit	2	MS-PS-MB-HV ¹	9124 016 56291	9124 016 56284	10

1. Extended leadtime applies. Consult Fluence operations for details.

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
11 IN (0.28 m) Dimming Signal Cable, Pigtail, M12 Connector	CCA-XXU3T2FL3X0.3	9124 017 01621	9124 016 55902	10
5 FT (1.52 m) Dimming Signal Cable, Pigtail, M12 Connector	CCA-XXU3T2FL3X1.5	9124 017 01622	9124 016 55881	10

REFLECTOR KIT

Description	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Carton Quantity
VYPR 3X Reflector Kit 22 IN	OF-V2-R2-XX ¹	9124 016 56289	9124 016 56037	40

1. Extended leadtime applies. Consult Fluence operations for details.

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
6 FT (1.83 m) AC Extension Cable, NEMA 5-15P Plug, M19 Push Lock, Max 125 V AC	CAA-XXU3P9FN5P1.8	9124 017 01611	9124 016 88454	10
6 FT (1.83 m) AC Extension Cable, NEMA 6-15P Plug, M19 Push Lock, Max 250 V AC	CAA-XXU3P9FN6P1.8	9124 017 01613	9124 016 88456	10
6 FT (1.83 m) AC Extension Cable, NEMA L7-15P Plug, M19 Push Lock, Max 277 V AC	CAA-XXU3P9FL7P1.8	9124 017 01625	9124 016 55898	10
6 FT (1.83 m) AC Extension Cable, Pigtail, M19 Push Lock, Max 480 V AC	CAA-XXU3P9FL3X1.8	9124 017 01624	9124 016 55875	10
15 FT (4.57 m) AC Extension Cable, NEMA 5-15P Plug, M19 Push Lock, Max 125 V AC	CAA-XXU3P9FN5P4.6	9124 017 01612	9124 016 88455	5
15 FT (4.57 m) AC Extension Cable, NEMA 6-15P Plug, M19 Push Lock, Max 250 V AC	CAA-XXU3P9FN6P4.6	9124 017 01614	9124 016 88457	5
15 FT (4.57 m) AC Extension Cable, NEMA L7-15P Plug, M19 Push Lock, Max 277 V AC	CAA-XXU3P9FL7P4.6	9124 017 01626	9124 016 55899	5
15 FT (4.57 m) AC Extension Cable, Pigtail, M19 Push Lock, Max 480 V AC	CAA-XXU3P9FL3X4.6	9124 017 01610	9124 016 88461	5
6 FT (1.83 m) AC Extension Cable, Wieland 96.031.0055.7 Female, Max 480 V AC, 3 Conductors 18AWG STW Pigtail	CAA-XXU3WGFL3X1.8	9124 017 01601	9124 016 56071	10
15 FT (4.57 m) AC Extension Cable, Wieland 96.031.0055.7 Female, Max 480 V AC, 3 Conductors 18AWG STW Pigtail	CAA-XXU3WGFL3X4.6 ¹	9123 000 02588	9124 016 56072	5
6 FT (1.83 m) AC Extension Cable, NEMA L7-15P Plug, Wieland 96.031.0055.7 Female, Max 277 V AC	CAA-XXU3WGFL7P1.8 ¹	9124 017 01602	9124 016 56069	10
15 FT (4.57 m) AC Extension Cable, NEMA L7-15P Plug, Wieland 96.031.0055.7 Female, Max 277 V AC	CAA-XXU3WGFL7P4.6 ¹	9123 000 02486	9124 016 56070	5
6 FT (1.83 m) AC Cable, AXH3, Type I SAA Plug, M19 Push Lock Female	CAZ-XXS3P9FTIP1.8 ¹	9124 017 01618	9124 016 88467	10
6 FT (1.83 m) AC Cable, VDE H07RN-F, Pigtail, M19 Push Lock (CE countries)	CAR-XXV3P9FL3X1.8 ¹	9124 017 01616	9124 016 88464	10
15 FT (4.57 m) AC Cable, VDE H07RN-F, Pigtail, M19 Push Lock (CE countries)	CAR-XXV3P9FL3X4.6 ¹	9124 017 01617	9124 016 88465	5
3 FT (0.91 m) AC Extension Cable, VDE H07RN-F, Pigtail, Wieland Leaf Green, Max 480 V AC	CAE-XXH3WGFL3X0.9 ¹	9124 016 56073	9124 016 56074	10
6 FT (1.83 m) AC Extension Cable, VDE H07RN-F, Pigtail, Wieland Leaf Green, Max 480 V AC	CAE-XXH3WGFL3X1.8 ¹	9124 016 56075	9124 016 56076	10

1. Extended leadtime applies. Consult Fluence operations for details.

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, M19 Screw Lock (Threaded Male) to Push Lock (Female), 18AWG, Male, 1 FT (0.30 m)	AAA-XXU3P9FT9M0.3 ¹	9124 017 01607	9124 016 56088	20
AC Connector Adapter for Power Supply, Wieland to M19, STW PVC, Wieland Part #: 96.032.0055.7 (Male) to M19 Push Lock (Female), 8 IN (0.20 m)	AAA-XXU3P9FWGM0.2	9124 016 56091	9124 016 56092	20
AC Connector Adapter for Power Supply, Wieland to M19, STW PVC, Wieland Part #: 96.032.0053.1 (Male) to M19 Push Lock (Female), 18 IN (0.46 m)	AAA-XXU3P9FWGM0.5 ¹	9124 016 56089	9124 016 56090	20
AC Connector Adapter for Power Supply, Wieland Black to Leaf Green, Wieland Part #: 99.656.0000.7 (Male Black to Female Leaf Green)	AAA-XXU3WGFWMXXX	9123 000 02483	9124 016 56112	20
AC Connector Adapter for Power Supply, Wieland to M19, STW PVC, M19 Push Lock (Male) to Wieland Part #: 96.031.0055.7 (Female), 6 IN (15 cm)	AAA-XXU3WGFP9M0.1 ¹	9124 017 01608	9124 016 56068	20
Dimming Adapter for Power Supply, M16 Screw Lock (Threaded) Male to M12 Screw Lock (Female), UL 21996, 3 Pin, 6 IN (15 cm)	ACA-XXU3T2FT6M0.1 ¹	9124 017 01606	9124 017 01643	20

1. Extended leadtime applies. Consult Fluence operations for details.

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	VR-3X-BW3 ¹	9124 016 88714	9124 016 88737	112
BROAD R4	VR-3X-BW4 ¹	9124 016 88715	9124 016 88738	112
BROAD R6	VR-3X-BP6 ¹	9124 016 88711	9124 016 88734	112
BROAD R8	VR-3X-BP8 ¹	9124 016 88710	9124 016 88733	112
DUAL R9B High Efficacy	VR-3X-HR9 ¹	9124 016 88713	9124 016 88736	112
DUAL R9B	VR-3X-DR9 ¹	9124 016 88709	9124 016 88732	112
DUAL R5B	VR-3X-DR5 ¹	9124 016 88712	9124 016 88735	112

1. Extended leadtime applies. Consult Fluence operations for details.

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
120-277 V	M19	11.7 A	BROAD R3 BROAD R4 BROAD R6	PLMG-V3A-600-117	9124 016 56211	9124 016 56245	33
120-277 V	M19	11.4 A	BROAD R8 DUAL R5B DUAL R9B DUAL R9B HE	PLMG-V3A-600-114	9124 016 56220	9124 016 56254	33
277-480 V	M19	11.7 A	BROAD R3 BROAD R4 BROAD R6	PHMG-V2C-600-117	9123 000 03431	9123 000 03433	24
277-480 V	M19	11.4 A	BROAD R8 DUAL R5B DUAL R9B DUAL R9B HE	PHMG-V2C-600-114	9123 000 03432	9123 000 03434	24
120-277 V	Wieland RST	11.7 A	BROAD R3 BROAD R4 BROAD R6	PLWG-V3B-600-117 ¹	9124 016 56216	9124 016 56250	33
120-277 V	Wieland RST	11.4 A	BROAD R8 DUAL R5B DUAL R9B DUAL R9B HE	PLWG-V3B-600-114 ¹	9124 016 56225	9124 016 56259	33
277-480 V	Wieland RST	11.7 A	BROAD R3 BROAD R4 BROAD R6	PHWG-V2C-600-117	9124 016 56219	9124 016 56253	24
277-480 V	Wieland RST	11.4 A	BROAD R8 DUAL R5B DUAL R9B DUAL R9B HE	PHWG-V2C-600-114	9124 016 56228	9124 016 56262	24

1. Extended leadtime applies. Consult Fluence operations for details.

LUMINAIRE AND POWER SUPPLY 12NCs

Description	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Quantity
VYPR 3x2, BW3, 120-277 V	VR-3X2-BW3-LVG ¹	9124 016 55944	9124 016 56061	Varies
VYPR 3x2, BW4, 120-277 V	VR-3X2-BW4-LVG ¹	9124 016 56049	9124 016 56062	Varies
VYPR 3x2, BP6, 120-277 V	VR-3X2-BP6-LVG ¹	9124 016 55945	9124 016 55987	Varies
VYPR 3x2, BP8, 120-277 V	VR-3X2-BP8-LVG ¹	9124 016 55946	9124 016 55988	Varies
VYPR 3x2, DR5, 120-277 V	VR-3X2-DR5-LVG ¹	9124 016 55949	9124 016 55991	Varies
VYPR 3x2, DR9, 120-277 V	VR-3X2-DR9-LVG ¹	9124 016 55948	9124 016 55990	Varies
VYPR 3x2, HR9, 120-277 V	VR-3X2-HR9-LVG ¹	9124 016 55947	9124 016 55989	Varies
VYPR 3x2, BW3, 277-480 V	VR-3X2-BW3-HVG ¹	9124 016 55967	9124 016 56063	Varies
VYPR 3x2, BW4, 277-480 V	VR-3X2-BW4-HVG ¹	9124 016 55968	9124 016 56064	Varies
VYPR 3x2, BP6, 277-480 V	VR-3X2-BP6-HVG ¹	9124 016 55969	9124 016 56005	Varies
VYPR 3x2, BP8, 277-480 V	VR-3X2-BP8-HVG ¹	9124 016 55970	9124 016 56006	Varies
VYPR 3x2, DR5, 277-480 V	VR-3X2-DR5-HVG ¹	9124 016 55973	9124 016 56009	Varies
VYPR 3x2, DR9, 277-480 V	VR-3X2-DR9-HVG ¹	9124 016 55972	9124 016 56008	Varies
VYPR 3x2, HR9, 277-480 V	VR-3X2-HR9-HVG ¹	9124 016 55971	9124 016 56007	Varies

1. Extended leadtime applies. Consult Fluence operations for details.



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