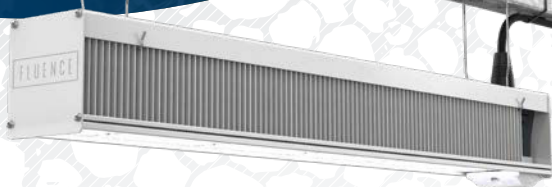




VYPR 3X LED TOP LIGHT

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 3X features market leading efficacies up to 3.7 $\mu\text{mol/J}$, 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	120-277 V, 277-480 V AC, 50/60 Hz
Power Factor	> 0.92 (120-277 V AC); > 0.95 (277-480 V AC)
Total Harmonic Distortion (THD)	< 20%
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	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)	888	336	2.6	VR-3X-BW3
BROAD R4 (BW4)	876	336	2.6	VR-3X-BW4
BROAD R6 (BP6)	912	312	2.9	VR-3X-BP6
BROAD R8 (BP8)	994	314	3.2	VR-3X-BP8
DUAL R9B High Efficacy (HR9)	1200	322	3.7	VR-3X-HR9
DUAL R9B (DR9)	1134	323	3.5	VR-3X-DR9
DUAL R5B (DR5)	878	324	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	120 V	208 V	230 V	277 V	347 V	400 V	480 V
BROAD R3	AC Current	2.84 A	1.62 A	1.46 A	1.21 A	0.98 A	0.85 A	0.70 A
BROAD R4	AC Power	341 W	336 W	335 W	336 W	341 W	340 W	334 W
BROAD R6	AC Current	2.65 A	1.51 A	1.36 A	1.13 A	0.91 A	0.79 A	0.65 A
	AC Power	318 W	313 W	312 W	312 W	317 W	317 W	313 W
BROAD R8	AC Current	2.67 A	1.51 A	1.36 A	1.13 A	0.92 A	0.80 A	0.66 A
	AC Power	320 W	315 W	314 W	314 W	319 W	319 W	315 W
DUAL R9B High Efficacy	AC Current	2.74 A	1.55 A	1.40 A	1.16 A	0.94 A	0.82 A	0.67 A
	AC Power	328 W	323 W	322 W	322 W	328 W	327 W	323 W
DUAL R9B	AC Current	2.74 A	1.56 A	1.40 A	1.17 A	0.95 A	0.82 A	0.67 A
	AC Power	329 W	324 W	323 W	323 W	328 W	328 W	324 W
DUAL R5B	AC Current	2.76 A	1.57 A	1.41 A	1.17 A	0.95 A	0.82 A	0.68 A
	AC Power	331 W	326 W	325 W	324 W	330 W	330 W	326 W

* At 77°F (25°C) ambient temperature

DIMENSIONS AND WEIGHT

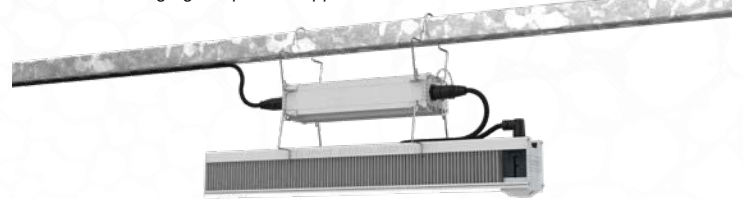
PART	SKU Abb.	Length	Width	Height	Weight
VYPR 3x Light Fixture	VR-3X-XXX	24.09" 612 mm	2.91" 74 mm	3.23" 82 mm	4.8 lb 2.2 kg
Power Supply LVG 320 W, 120-277 V AC	VR-3X-XXX-LVG	11.33" 288 mm	4.29" 109 mm	2.87" 73 mm	5.8 lb 2.6 kg
Power Supply HVG 320 W, 277-480 V AC	VR-3X-XXX-HVG	11.33" 288 mm	4.29" 109 mm	2.87" 73 mm	5.8 lb 2.6 kg

MOUNTING OPTIONS

WIRE HANGERS - These standard mounting options include Pipe, Unistrut and Square wire hangers. Ideal for mounting under the truss or pairing with chain or cable to suspend the fixture lower.



COMBO MOUNT - Stacking the light fixture and power supply under the truss allows individual VYPRs to be close to one another without a second support structure for hanging the power supplies.



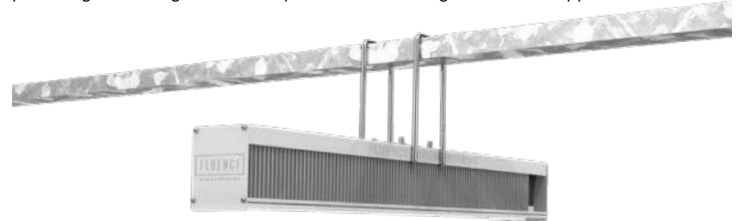
SURFACE MOUNT - Mounting the power supply above the truss increases VYPR's distance to crops for better light uniformity, and allows VYPRs to be close to one another without a second support structure for hanging the power supplies.



VYPR PARALLEL TO TRUSS MOUNT - This mounting option maximizes light fixture's distance to crops for better light uniformity, and clears the space under the truss for operating other equipment.



VYPR PERPENDICULAR TO TRUSS MOUNT - This mounting option allows the fixture to hang perpendicular to the truss to be in parallel to high-wire crop rows, providing better light uniformity without installing additional support structure.



Contact **FLUENCE**

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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.

LUMINAIRE AND POWER SUPPLY

FAMILY	MODEL	PhysioSpec™ SPECTRUM	INPUT VOLTAGE	PACK TYPE
VR VYPR	3X Gen 3X	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

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

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	CDG-XXU2P9MP9F0.9	9124 017 01619	9124 016 55876	10
6 FT (1.83 m) DC Extension Cable, M19 Push Lock	CDG-XXU2P9MP9F1.8'	9124 017 01620	9124 016 55880	10
18 IN (0.46 m) Right Angle DC Extension cable, M19 Push Lock - for Combo Mount, PSU Surface Mount	CDG-XXU2P9MR9F0.5	9124 017 01604	9124 016 55878	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 56020	20
VYPR Parallel Mount Bracket Kit (for strut 25x50 mm)	2	MT-V3-PL-XX'	9124 016 56287	9124 016 56019	20
PSU 320W Power Supply Surface Mount Kit	2	MS-PS-MB-3V'	9124 016 56290	9124 016 56012	10

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

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'	9124 016 56289	9124 016 56037	40

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 (28 cm) 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

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-XXU3WGFWMXX	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-XXU3WGF9M0.1 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.



VYPR 3x LED TOP LIGHT

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	6.2 A	BROAD R3 BROAD R4 BROAD R6	PLMG-V3B-320-062 ¹	9124 016 56230	9124 016 56264	30
120-277 V	M19	5.9 A	BROAD R8 DUAL R9B HE DUAL R9B DUAL R5B	PLMG-V3B-320-059 ¹	9124 016 56238	9124 016 56272	30
277-480 V	M19	6.2 A	BROAD R3 BROAD R4 BROAD R6	PHMG-V3B-320-062 ¹	9124 016 56232	9124 016 56266	30
277-480 V	M19	5.9 A	BROAD R8 DUAL R9B HE DUAL R9B DUAL R5B	PHMG-V3B-320-059 ¹	9124 016 56240	9124 016 56274	30
120-277 V	Wieland RST	6.2 A	BROAD R3 BROAD R4 BROAD R6	PLWG-V3B-320-062 ¹	9124 016 56234	9124 016 56268	30
120-277 V	Wieland RST	5.9 A	BROAD R8 DUAL R9B HE DUAL R9B DUAL R5B	PLWG-V3B-320-059 ¹	9124 016 56242	9124 016 56276	30
277-480 V	Wieland RST	6.2 A	BROAD R3 BROAD R4 BROAD R6	PHWG-V3B-320-062 ¹	9124 016 56236	9124 016 56270	30
277-480 V	Wieland RST	5.9 A	BROAD R8 DUAL R9B HE DUAL R9B DUAL R5B	PHWG-V3B-320-059 ¹	9124 016 56244	9124 016 56278	30

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



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

VYPR 3x LED TOP LIGHT

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 3x, BW3, 120-277 V	VR-3X-BW3-LVG ¹	9123 000 02991	9124 016 56057	Varies
VYPR 3x, BW4, 120-277 V	VR-3X-BW4-LVG ¹	9124 016 56041	9124 016 56058	Varies
VYPR 3x, BP6, 120-277 V	VR-3X-BP6-LVG ¹	9124 016 55939	9124 016 55982	Varies
VYPR 3x, BP8, 120-277 V	VR-3X-BP8-LVG ¹	9124 016 55940	9124 016 55983	Varies
VYPR 3x, DR5, 120-277 V	VR-3X-DR5-LVG ¹	9124 016 55943	9124 016 55986	Varies
VYPR 3x, DR9, 120-277 V	VR-3X-DR9-LVG ¹	9124 016 55942	9124 016 55985	Varies
VYPR 3x, HR9, 120-277 V	VR-3X-HR9-LVG ¹	9124 016 55941	9124 016 55984	Varies
VYPR 3x, BW3, 277-480 V	VR-3X-BW3-HVG ¹	9124 016 55960	9124 016 55999	Varies
VYPR 3x, BW4, 277-480 V	VR-3X-BW4-HVG ¹	9124 016 55961	9124 016 56059	Varies
VYPR 3x, BP6, 277-480 V	VR-3X-BP6-HVG ¹	9124 016 55962	9124 016 56060	Varies
VYPR 3x, BP8, 277-480 V	VR-3X-BP8-HVG ¹	9124 016 55963	9124 016 56001	Varies
VYPR 3x, DR5, 277-480 V	VR-3X-DR5-HVG ¹	9124 016 55966	9124 016 56004	Varies
VYPR 3x, DR9, 277-480 V	VR-3X-DR9-HVG ¹	9124 016 55965	9124 016 56003	Varies
VYPR 3x, HR9, 277-480 V	VR-3X-HR9-HVG ¹	9124 016 55964	9124 016 56002	Varies

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



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