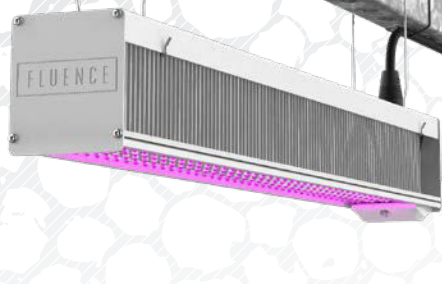




VYPR 3X LED TOP LIGHT EU

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 $\mu\text{mol/J}$, 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

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 LVG 320 W, 230 V AC	VR-3X-XXX-LVG	288 mm 11,3"	109 mm 4,3"	73 mm 2,8"	2,6 kg 5,8 lb
Power Supply HVG 320 W, 400 V AC	VR-3X-XXX-HVG	288 mm 11,3"	109 mm 4,3"	73 mm 2,8"	2,6 kg 5,8 lb

PSU POWER SUPPLY

- Small form factor
- High efficiency
- Flexible mounting



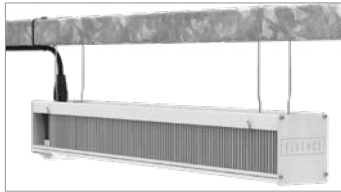
VYPR REFLECTOR

Enhance light uniformity when mounted close to the crop

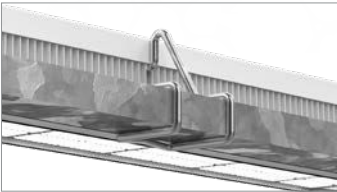
Optimize spectral uniformity in HPS + LED hybrid lighting



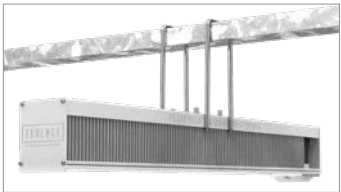
MOUNTING OPTION EXAMPLES



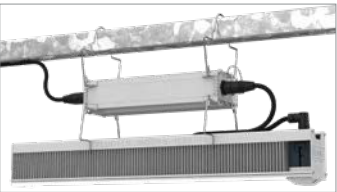
WIRE HANGERS



VYPR PARALLEL MOUNT



VYPR PERPENDICULAR MOUNT



COMBO MOUNT

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



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	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 230 V AC HVG 400 V AC	B Bulk Pack S Single Pack

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

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	6,2 A	BROAD R3 BROAD R4 BROAD R6	PLMG-V3B-320-062	9124 016 56230	9124 016 56264	30
230 V	M19	5,9 A	BROAD R8 DUAL R9B HE DUAL R9B DUAL R5B	PLMG-V3B-320-059	9124 016 56238	9124 016 56272	30
400 V	M19	6,2 A	BROAD R3 BROAD R4 BROAD R6	PHMG-V3B-320-062	9124 016 56232	9124 016 56266	30
400 V	M19	5,9 A	BROAD R8 DUAL R9B HE DUAL R9B DUAL R5B	PHMG-V3B-320-059	9124 016 56240	9124 016 56274	30
230 V	Wieland RST	6,2 A	BROAD R3 BROAD R4 BROAD R6	PLWG-V3B-320-062	9124 016 56234	9124 016 56268	30
230 V	Wieland RST	5,9 A	BROAD R8 DUAL R9B HE DUAL R9B DUAL R5B	PLWG-V3B-320-059	9124 016 56242	9124 016 56276	30
400 V	Wieland RST	6,2 A	BROAD R3 BROAD R4 BROAD R6	PHWG-V3B-320-062	9124 016 56236	9124 016 56270	30
400 V	Wieland RST	5,9 A	BROAD R8 DUAL R9B HE DUAL R9B DUAL R5B	PHWG-V3B-320-059	9124 016 56244	9124 016 56278	30

DC CABLES (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 Extension cable, M19 Push Lock - for Combo Mount, PSU Surface 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 ≤ 45 mm / 1-5/8")	2	MT-VR-US-XX	9124 016 56297	9124 016 55884	20
Pipe Wire Hanger Kit (for pipe diameter ≤ 45 mm / 1-3/4")	2	MT-VR-PI-XX	9124 016 56295	9124 016 55877	20
Square Wire Hanger Kit (for truss width ≤ 70 mm / 2-3/4")	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 320W Power Supply Surface Mount Kit	2	MS-PS-MB-3V	9124 016 56290	9124 016 56012	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 (not for 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 (not for 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-XXD3WGL3X0.8	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-XXH3WGL3X1.8	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-XXH3WGL3X0.9	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 3X Reflector Kit 22 IN	OF-V2-R2-XX	9124 016 56289	9124 016 56037	40





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