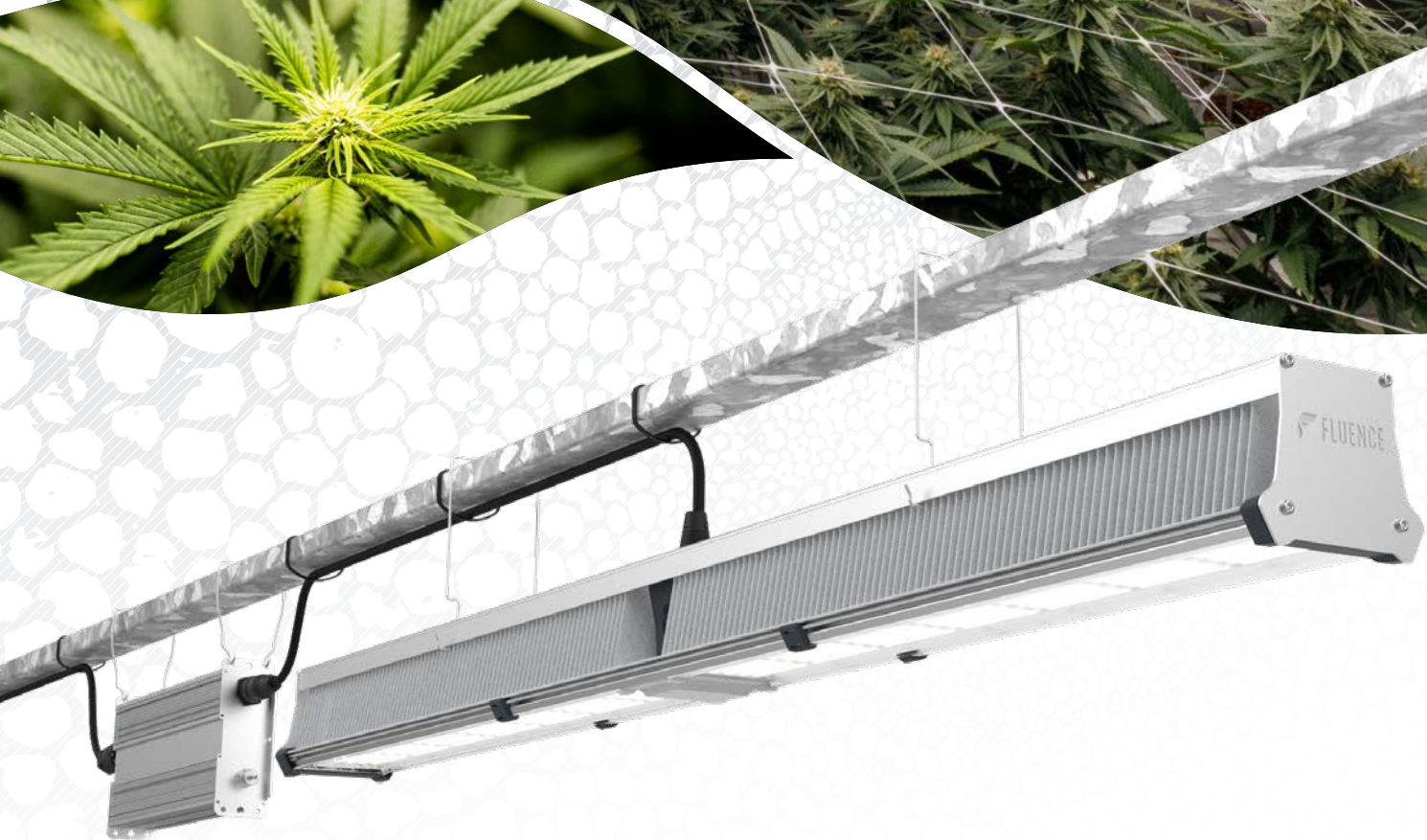




VYPR 4

VYPR 4 is a full-cycle top lighting solution designed for greenhouse and indoor growing environments. This new generation of the VYPR platform includes a compact form factor, increased output and even more versatility with a new wide beam optic for better uniformity at a variety of mounting heights.

SPECIFICATIONS

Light Source	LED
Spectrum	PhysioSpec™ Broad R4, R8
Output	1120 - 2760 µmol/s
Efficacy	2.7 - 3.3 µmol/J
Efficacy @50% Dimmed	2.9 - 3.6 µmol/J
AC Input Power	415W-834W @ 400V AC
AC Input Voltage	400V AC, 50 Hz
Light Distribution	Lambertian, Wide Beam Optic (BP8)
Thermal Management	Passive
Max. Ambient Temperature	104°F [40°C]
Dimming	Source Signal Driver, 0-10V, Dim-to-off Dimming: 10%-100%
Dimming Connector and Transmission Hardware/Type	Flying Leads/M12 3-pin Male (1-Channel)
Power Factor	> 0,97 @100%
Total Harmonic Distortion	< 20%
Lifetime Q90	>50,000hrs
IP Rating	IP66; RH <90% non-condensing
Certifications	cETLus, CE, UKCA, Wet Location
Industry Standards	UL1598, UL8750, UL8800, IEC 60598-1
Warranty	5 Year Limited
Photobiological Safety IEC 62471	Risk Group 1

PHOTON FLUX AND EFFICACY @400V AC

Fixture	PhysioSpec™ Spectrum / Configuration	W AC	Output PPF (µmol/s) (400-700nm)	Output PF (µmol/s) (400-800nm)	Efficacy (PE) (µmol/J)	Efficacy (PE) (µmol/J) @50% Dim
4x	BROAD R4 (BW4) CG	422 W	1120	1150	2.7	2.9
	BROAD R8 (BP8) CG	415 W	1370	1380	3.3	3.6
	BROAD R8 (BP8) WB	415 W	1320	1330	3.2	3.5
4p	BROAD R4 (BW4) CG	634 W	1690	1730	2.7	2.9
	BROAD R8 (BP8) CG	624 W	2040	2060	3.3	3.6
	BROAD R8 (BP8) WB	624 W	1980	2010	3.2	3.5
4i	BROAD R4 (BW4) CG	825 W	2290	2340	2.8	2.9
	BROAD R8 (BP8) CG	834 W	2730	2760	3.3	3.6
	BROAD R8 (BP8) WB	834 W	2660	2690	3.2	3.5

Light Distribution: CG = Clear Glass Lens (Lambertian). WB = Wide Beam Optic.

ORDERING GUIDE

Family	Fixture	PhysioSpec™ Spectrum	Distribution	Input Voltage*	Pack Type
VR VYPR	4i 800 W ⁴	BW4 BROAD R4	CG LAMBERTIAN	JVG 200-480 V AC	B BULK PACK
	4p 600 W	BP8 BROAD R8 ¹	WB WIDE BEAM ²		S SINGLE PACK
	4x2 2x 400 W ⁴				

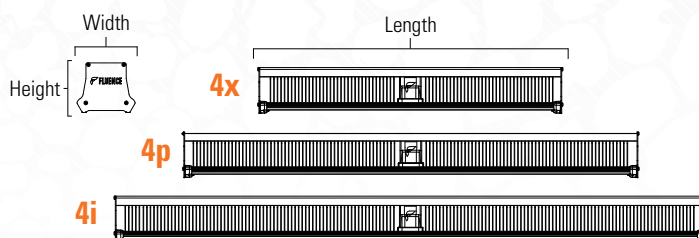
1. Extended lead time applies. Consult Fluence operations for details.

2. Available with Broad R8 (BP8) only

Lifetime and maintenance values are given at an ambient temperature of 25 °C [77 °F]. All measured lifetimes are industry standard measurements indicating average length of operation and not a performance claim specific to any individual product

DIMENSIONS | WEIGHT

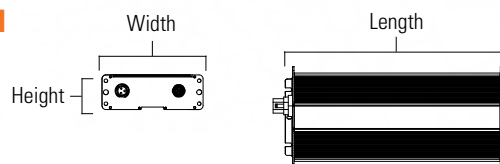
VYPR 4	Length	Width	Height	Weight
4x Light Bar 400w	23.8" 605mm	4.2" 107mm	3.6" 91mm	5.8 lbs 2.6 kg
4p Light Bar 600w	35.5" 900mm	4.2" 107mm	3.6" 91mm	8.4 lbs 3.8 kg
4i Light Bar 800w	46.1" 1170mm	4.2" 107mm	3.6" 91mm	11.7 lbs 5.3 kg



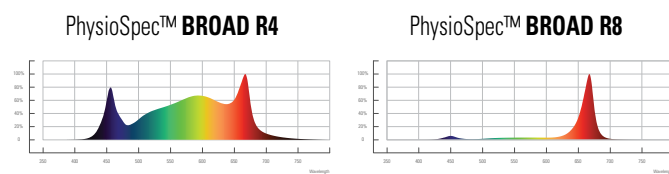
POWER SUPPLY

	Length	Width	Height	Weight
B1 PSU 200-480V AC 600W JVG	10.4" 265 mm	5.6" 143 mm	1.9" 49 mm	6.2 lbs 2.8 kg
B PSU 200-480V AC 800W JVG	12.5" 317 mm	5.6" 143 mm	1.9" 49 mm	7.4 lbs 3.4 kg

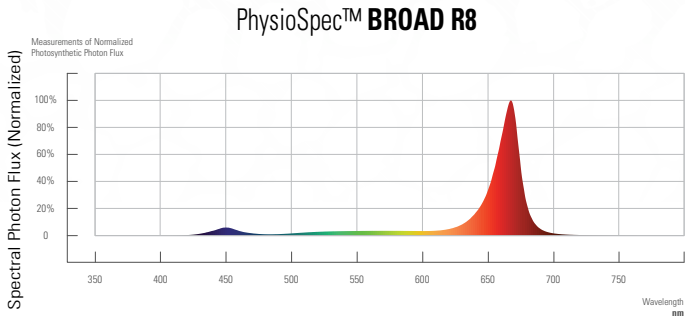
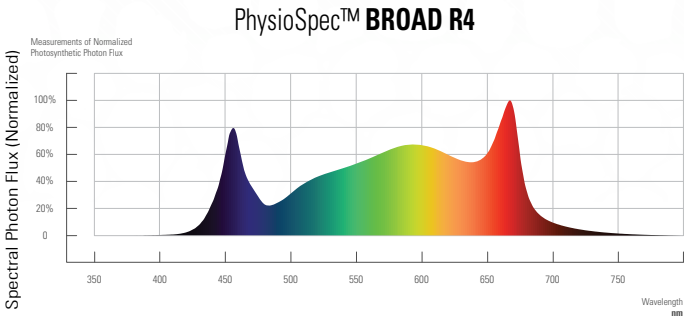
B/B1



SPECTRA



SPECTRA



LIGHT BARS - EMEA

VYPR 4 Model	PhysioSpec™ Spectrum	Lens Type	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Pallet Quantity
4x ¹	Broad R4	Clear Glass	VR-4x-BW4-CG	9124 017 07136	9124 017 07145	56
	Broad R8	Clear Glass	VR-4x-BP8-CG	9124 017 07137	9124 017 07146	
		Wide Beam Optic	VR-4x-BP8-WB	9124 017 07138	9124 017 07147	
4p	Broad R4	Clear Glass	VR-4p-BW4-CG	9124 017 07139	9124 017 07148	40
	Broad R8	Clear Glass	VR-4p-BP8-CG	9124 017 07140	9124 017 07149	
		Wide Beam Optic	VR-4p-BP8-WB	9124 017 07141	9124 017 07150	
4i	Broad R4	Clear Glass	VR-4i-BW4-CG	9124 017 07142	9124 017 07151	32
	Broad R8	Clear Glass	VR-4i-BP8-CG	9124 017 07143	9124 017 07152	
		Wide Beam Optic	VR-4i-BP8-WB	9124 017 07144	9124 017 07153	

1. 4x2 Duo Mount (2 Lightbars: 1 PSU) require (2) 4x light bars and (1) 800 W PSU B (RCC: PJWG-V4B-800-028) per system and related PSU accessories

POWER SUPPLIES - EMEA

PSU	AC Connector Type	DC Current	Compatible Light Bars	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Pallet Quantity
PSU 200-480V AC 600W JVG	Wieland RST	2.13 A	VYPR 4p	PJWG-V4B-680-021	9124 017 02080	9124 017 02075	168 (Multiples of 4)
PSU 200-480V AC 800W JVG	Wieland RST	2.83 A	VYPR 4i VYPR 4x2	PJWG-V4B-800-028	9124 017 01929	9124 017 01928	168 (Multiples of 4)

DC CABLES

Description	Regional Commercial Code	Ordering PN 12NC Single Pack (S)	Ordering PN 12NC Bulk Pack (B)	Bulk Pack Carton Quantity
18in (0.46m) 90° Right Angle DC Cable, M19, 3-pin, 600V	CDG-V4U3P9MR9F0.5	9124 017 07160	9124 017 07163	10
3ft (0.91m) DC Cable, M19, 3-pin, 600V	CDG-V4U3P9MP9F0.9	9124 017 07161	9124 017 07164	10
T-Splitter DC Cable M19, Duo Mount/4x2	CDG-V4U3D9MP9F0.1	9124 017 02090	9124 017 02085	20

MOUNTING HARWARE (Light Bar)

Description	Pcs per Kit	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Carton Quantity
Strut/C-Channel Wire Hanger Kit (for strut width ≤ 1-5/8" / 45 mm)	2	MT-VR-US-XX	9124 016 56297	9124 016 55884	20 Kits
Pipe Wire Hanger Kit (for pipe diameter ≤ 1-3/4" / 50 mm)	2	MT-VR-PI-XX	9124 016 56295	9124 016 55877	20 Kits
Square Wire Hanger Kit (for truss width ≤ 2-3/4" / 70 mm)	2	MT-VR-SQ-XX	9124 016 56296	9124 016 55897	20 Kits
VYPR Perpendicular Mount Wire Hanger Kit (for strut 25x50 mm)	2	MT-VR-PP-XX ¹	9124 016 56288	9124 016 56020	20 Kits
VYPR Parallel Mount Bracket Kit (for strut 25x50 mm)	2	MT-V3-PL-XX ¹	9124 016 56287	9124 016 56019	20 Kits

1. Extended leadtime applies. Consult Fluence customer service for details.

MOUNTING HARWARE (Power Supply)

Description	Pcs per Kit	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Carton Quantity
PSU Universal Strut Mount Hanger Kit MGS (PSUs A, B, B1)	2	MT-V4-UL-MGS	9124 017 02093	9124 017 02091	20 Kits
Power Supply Surface Mount Kit, 600/800W, JVG only	2	MS-PS-MB-JV ¹	9124 017 02585	9124 017 02586	10 Kits

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

MOUNTING HARWARE (Combo)

Description	Pcs per Kit	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Carton Quantity
Combo Hanger Kit, 600/800W, JVG only	2	MT-V4-CB-JV	9124 017 02587	9124 017 02588	20 Kits

Contact **FLUENCE** 

support@fluence-led.com 

www.fluence.science/VYPR 

AC POWER CABLE (Power Supply to AC Line)

EMEA (AC Line to Luminaire)	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Carton Quantity
0.8m AC Cable Dca Pigtail with Wieland Connector	RST20I3GDCAPTC80CM	-	9124 017 02496	50
REST OF THE WORLD (AC Line to Luminaire)				
0.9m (3ft) AC Cable H07RN-F Pigtail with Wieland Connector ²	CAE-XXH3WGFL3X0.9 ¹	9124 016 56073	9124 016 56074	10
1.8m (6ft) AC Cable H07RN-F Pigtail with Wieland Connector ²	CAE-XXH3WGFL3X1.8 ¹	9124 016 56075	9124 016 56076	10

1. Extended leadtime applies. Consult Fluence operations for details.
2. For markets using harmonized cable

DIMMING SIGNAL CABLE (Power Supply to Dimming Control)

EMEA/REST OF THE WORLD (Dimming Control to Power Supply)	Regional Commercial Code	Ordering PN 12NC Single Pack (-S)	Ordering PN 12NC Bulk Pack (-B)	Bulk Pack Carton Quantity
0.8m Dimming Signal Cable, Cca, Pigtail, M12 Connector	CCE-XXC3T2FL3X0.8	9124 017 01623	9124 016 55883	10

CABLE ADAPTERS

DESCRIPTION	Ordering PN 12NC Bulk Pack (B)	Bulk Pack Carton Quantity
Fluence Toplighting Female Connector	9124 017 02499	100

NOMINAL ELECTRICAL AC INPUT

FIXTURE	PhysioSpec™ Spectrum	AC VOLTAGE	230 V	400 V
4x2	Broad R4	AC Current	3.78 A	2.10 A
		AC Power	844 W	841 W
	Broad R8	AC Current	3.72 A	2.07 A
		AC Power	831 W	827 W
4p	Broad R4	AC Current	2.83 A	1.57 A
		AC Power	633 W	629 W
	Broad R8	AC Current	2.79 A	1.55 A
		AC Power	623 W	620 W
4i	Broad R4	AC Current	3.77 A	2.09 A
		AC Power	841 W	837 W
	Broad R8	AC Current	3.74 A	2.08 A
		AC Power	835 W	831 W

* At 77°F (25°C) ambient temperature