

## VYNE Series

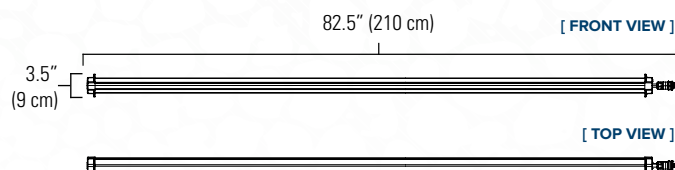
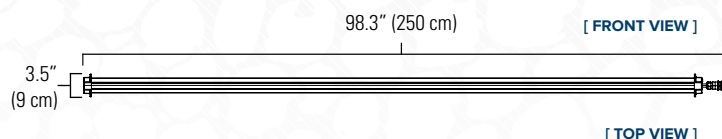
**The VYNE Series** is an Intercanopy Lighting Solution for illuminating the lower shadowed region of the high wire crop in Greenhouses. The flexible lighting system has ultra-low inrush performance and low current draw that allows a single connection to support a long run of luminaires.

## SPECIFICATIONS

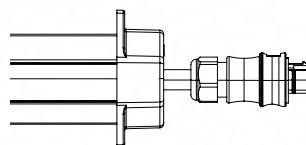
Light Source	LED
AC Input Voltage	Autosensing 200-400 V AC, 50/60 Hz
Spectrum	Broad R6 and Dual R9B
Input Power	72-100W
Power Factor	> 0.9
Total Harmonic Distortion	< 10%
Efficacy	3.0 $\mu\text{mol/J}$ (Broad R6) 3.3 $\mu\text{mol/J}$ (Dual R9B)
Thermal Management	Passive
Mounting Position	Inter-canopy
Optical	Lambertian per side, Canted down 5°
Max. Ambient Temperature	113°F / 45°C
Lifetime (Driver and LED Q90)	> 36,000 hours
IP Rating	IP 66
Appliance Class	Class II (Double Insulated)
Environmental Rating	Wet Location
Certifications	cETLus, CE, UKCA
Industry Standards	UL8800, IEC 60598-1
Maximum connected lightbars	up to 40 <sup>5</sup>
Warranty	5 Year Limited Warranty

## DIMENSIONS

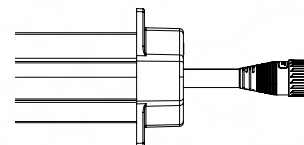
Part	Length	Width	Height	Weight
<b>VYNE 2.5 m</b> Light Fixture	98.4" 250 cm	2.6" 6,7 cm	3.5" 9,0 cm	5.95 lbs 2,7 kg
<b>VYNE 2.0 m</b> Light Fixture	82.5" 210 cm	2.6" 6,7 cm	3.5" 9,0 cm	4.85 lbs 2,2 kg



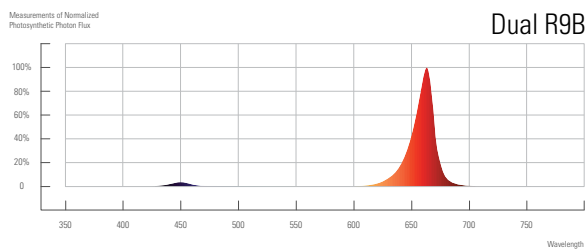
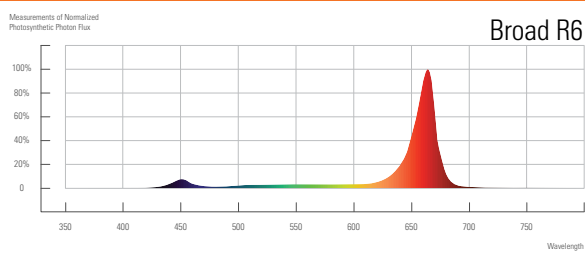
### WIELAND DETAIL



### M19 DETAIL



## SPECTRA



## PHOTOSYNTHETIC PHOTON FLUX AND EFFICACY<sup>2</sup>

PHYSIOSPEC™ SPECTRUM	LIGHT OUTPUT PPF (400-700 nm) ( $\mu\text{mol/s}$ )	AC Power @ 277 V AC (W)	Efficacy (PPE) @ 277 V AC ( $\mu\text{mol/J}$ )
BROAD R6 - 2.5 m	300	100	3.0
DUAL R9B - 2.5 m	300	90	3.3
BROAD R6 - 2.1 m	240	80	3.0
DUAL R9B - 2.1 m	240	72	3.3


## PHOTOSYNTHETIC PHOTON FLUX AND EFFICACY<sup>2</sup>


PHYSIOSPEC™ SPECTRUM	LIGHT OUTPUT PPF (400-700 nm) ( $\mu\text{mol/s}$ )	AC Power @ 230 V AC (W)	Efficacy (PPE) @ 230 V AC ( $\mu\text{mol/J}$ )	AC Power @ 400 V AC (W)	Efficacy (PPE) @ 400 V AC ( $\mu\text{mol/J}$ )
BROAD R6 - 2.5 m	300	100	3.0	100	3.0
DUAL R9B - 2.5 m	300	88	3.3	88	3.3
BROAD R6 - 2.1 m	240	80	3.0	80	3.0
DUAL R9B - 2.1 m	240	71	3.3	71	3.3

**Disclaimer:** Performance values are from representative tests performed in accordance industry standards listed. Actual application performance may vary due to component tolerances and installation, environmental, and field measurements conditions.



Contact **FLUENCE** 

support@fluence-led 

www.fluence.science/VYNE 

## SKU MATRIX FOR LIGHT FIXTURE WITH INTERNAL POWER SUPPLY

FAMILY	REGION	MODEL	SPECTRUM	INPUT VOLTAGE	CONNECTOR
<b>VN</b> VYNE	<b>A</b> AMERICAS <b>C</b> GLOBAL	<b>20</b> 2.1 meters <b>25</b> 2.5 meters	<b>BP6</b> BROAD R6 <b>DR9</b> DUAL BROAD R9	<b>MVG</b> 200 - 400 VAC	<b>RST</b> WIELAND (RST20i3 Gr) <b>M19<sup>4</sup></b> LLT M19 (BLACK)

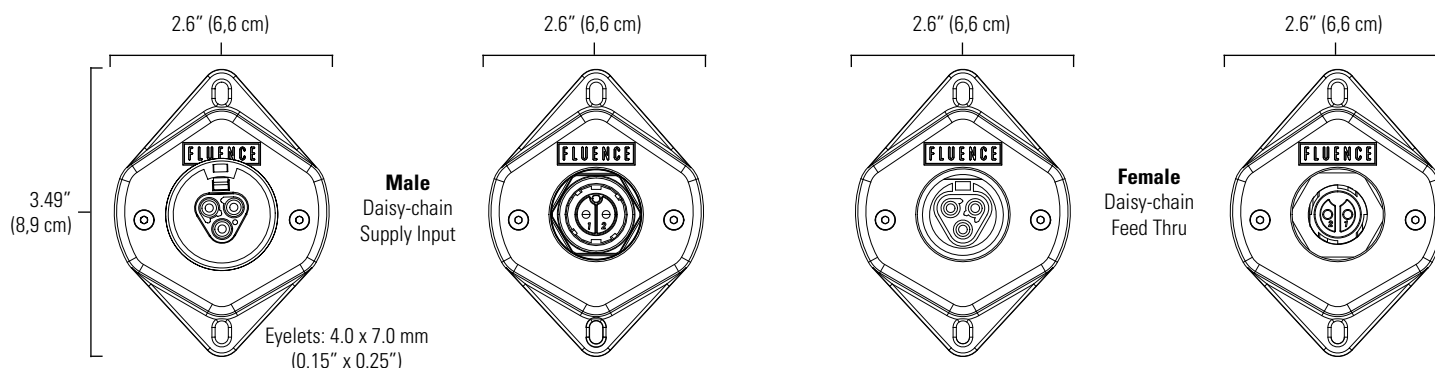
## ACCESSORY AND MOUNTING HARDWARE

MOUNTING HARDWARE AND DUST CAPS	Ordering Code
VYNE Mounting Bracket, 170mm (6.7in.)	VN-BRKT-170
VYNE Mounting Bracket, 270mm <sup>3</sup> (10.6in.) (Quantity (2) ship with every fixture)	VN-BRKT-270
VYNE Mounting Bracket, 600mm (23.6in.) (Used for Two Tier Installations)	VN-BRKT-600
VYNE Wieland Dust Cap/ End Cap	VN-RST1-DUST
VYNE M19 Dust Cap/ End Cap <sup>4</sup>	VN-M19-DUST
VYNE Gripple Metal Wire Rope Kit, 1,5m (5ft)	VN-GC-KIT-5
VYNE Gripple Metal Wire Rope Kit, 3,0m (10ft)	VN-GC-KIT-10

## AC POWER CABLES<sup>1</sup>

AC POWER CABLE - <b>AMERICAS</b> (Luminaire to AC Line or adjacent Luminaire)	Ordering Code
VYNE AC Power Cable, Americas, 6,5m (21.3ft) - RST Wieland - UL, 3x14AWG	CAC-A-IN-RST1-65
VYNE AC Jumper Cable, Americas, 1,0m (3.3ft) - RST Wieland - UL, 2x14AWG	CAC-A-JP-RST1-10
VYNE AC Power Cable, Americas, 6,5m (21.3ft) - M19 - UL <sup>4</sup> , 3x14AWG	CAC-A-IN-M19-65
VYNE AC Jumper Cable, Americas, 1,0m (3.3ft) - M19 - UL <sup>4</sup> , 2x14AWG	CAC-A-JP-M19-10

AC POWER CABLE - <b>GLOBAL</b> (Luminaire to AC Line or adjacent Luminaire)	Ordering Code
VYNE AC Power Cable, Global, 6,5m (21.3ft) - RST Wieland - HARMONIZED H07RN, 3x2,5mm	CAC-C-IN-RST1-65
VYNE AC Jumper Cable, Global, 1,0m (3.3ft) - RST Wieland - HARMONIZED H07RN, 2x2,5mm	CAC-C-JP-RST1-10
VYNE AC Power Cable, Global, 6,5m (21.3ft) - M19 - HARMONIZED H07RN <sup>4</sup> , 3x2,5mm	CAC-C-IN-M19-65
VYNE AC Jumper Cable, Global, 1,0m (3.3ft) - M19 - HARMONIZED H07RN <sup>4</sup> , 2x2,5mm	CAC-C-JP-M19-10



### Notes:

1. All AC power cables are sold and packaged separate from the luminaire product.
2. Nominal value at 25°C per LM79 standards.
3. Quantity (2) ship with every fixture.
4. Extended lead time, please consult factory for lead time estimate.
5. Depends on factors such as voltage and bar power.





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