

ParFX™

TRIPLANE™

REDEFINING LED GROW LIGHTING



P.L. LIGHT SYSTEMS



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REDEFINING LED GROW LIGHTING

As the first luminaire in the ParFX™ product family, the TriPlane leverages the best features of LED and HID technologies — high light output, controlled distribution, optimized efficiencies and exceptional thermal management.

The TriPlane sets a new standard for LED horticultural lighting as a true 1-for-1 replacement of the 1000W HID luminaire and delivers the ideal combination of performance and efficiency.



*RWMB Spectrum

DESIGNED FOR FUNCTIONAL FLEXIBILITY

Designed for maximum flexibility, the TriPlane's LED modules can be field-adjusted independently in precise increments in either direction — allowing for highly customized light distribution, depending on the application.



Standard Distribution



Wide Distribution



Focused Distribution



Asymmetric Distribution



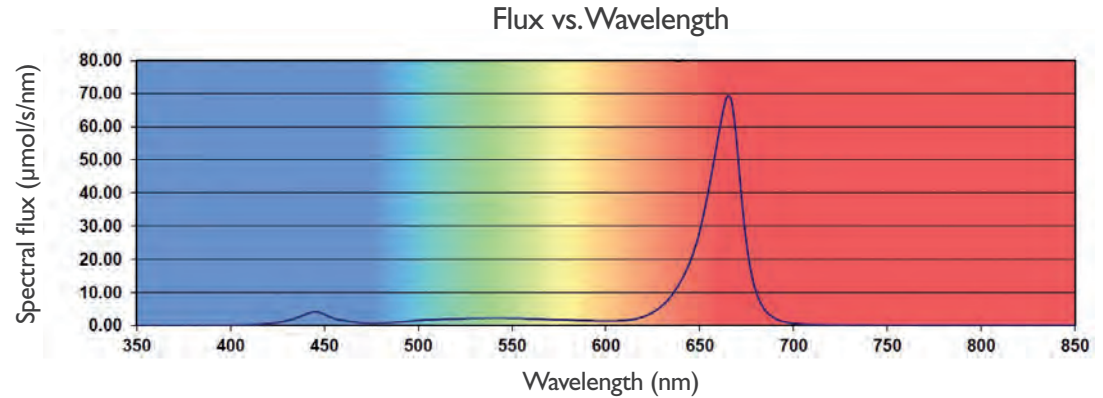
DELIVERING OPTIMUM COLOR EFFICIENCIES,

the TriPlane is available in two spectral recipes which can be used in standalone LED applications, or in combination with HID luminaires for hybrid applications.



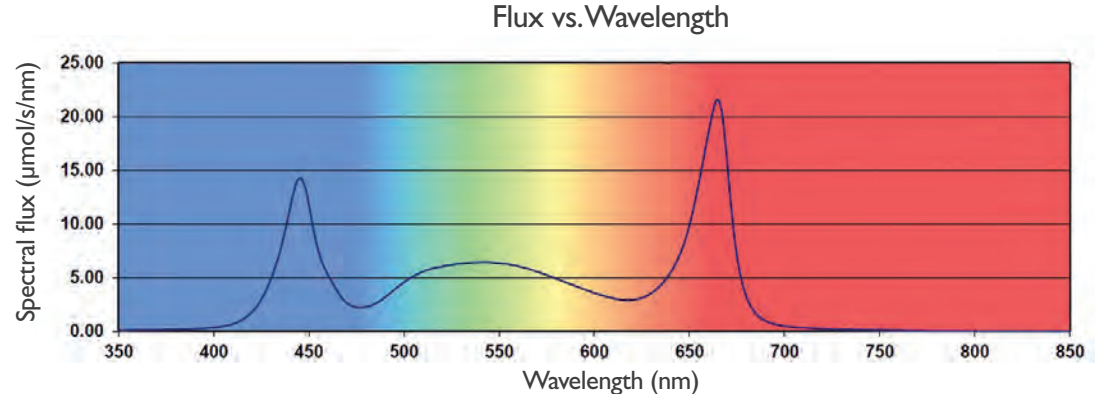
RWMB Spectrum

High efficiency spectrum with peaks in the red and blue wavelengths, optimized for supplementary lighting applications



Daylight Spectrum

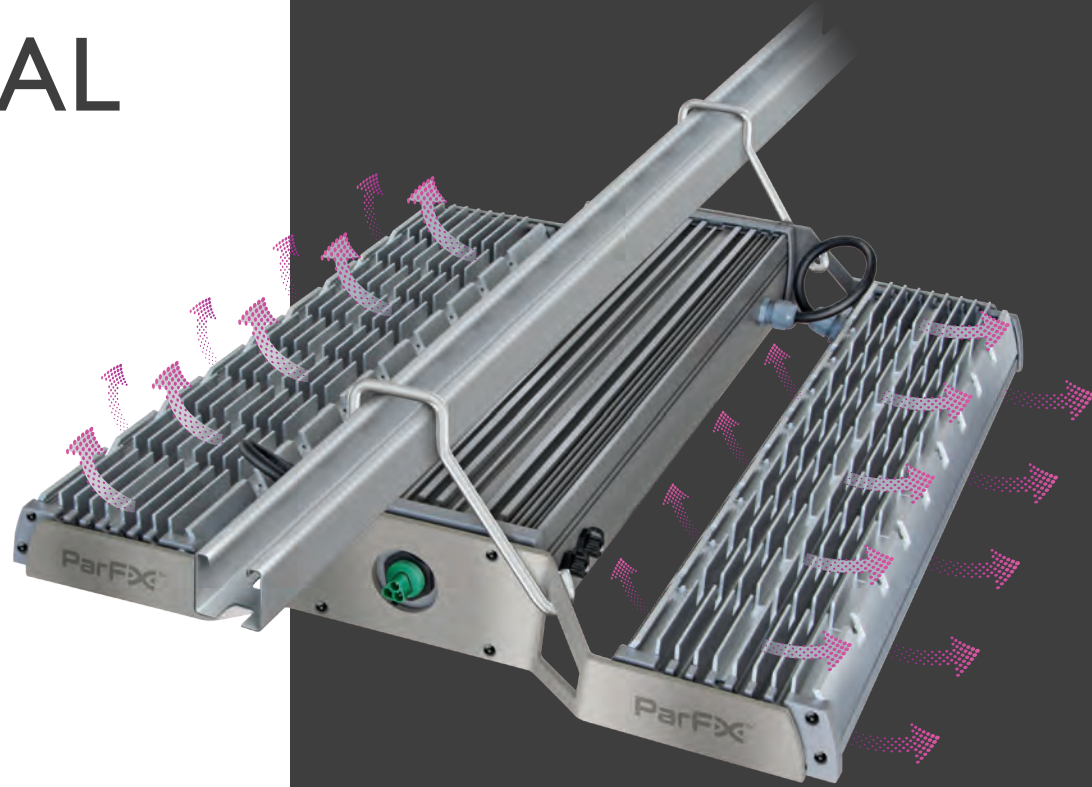
Broad spectrum white light, optimized for sole-source lighting applications



ENGINEERED FOR OPTIMAL THERMAL MANAGEMENT

The TriPlane is thermally and mechanically engineered for optimal thermal management — maximizing the lifetime of the luminaire, reducing heat stress on the plants and lowering HVAC loads.

The integrated fins on the top of the aluminum LED modules are engineered to dissipate heat through conduction for optimal passive thermal management. The integrated driver is housed in an aluminum enclosure that is separated from the two LED modules to allow for maximum airflow around the electronics compartment, further allowing for passive cooling.



TRUE PLUG-AND-PLAY RETROFIT

A standard horticultural power connector, integrated driver and intuitive mounting brackets allow for a true plug-and-play retrofit of existing HID lighting installations.

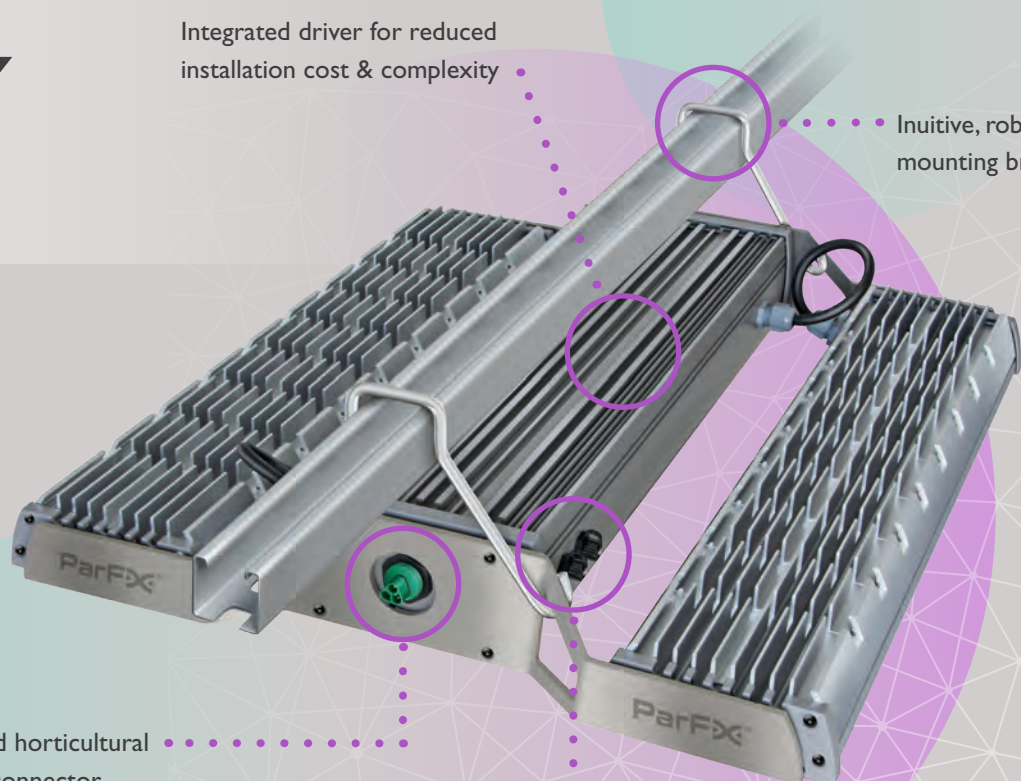
The integrated driver and the ability to daisy-chain both the power and 0-10V control, enables reduced installation cost & complexity.

Standard horticultural
power connector
(can be daisy-chained)

Integrated driver for reduced
installation cost & complexity

Intuitive, robust
mounting brackets

0-10V dimming
(can be daisy-chained)

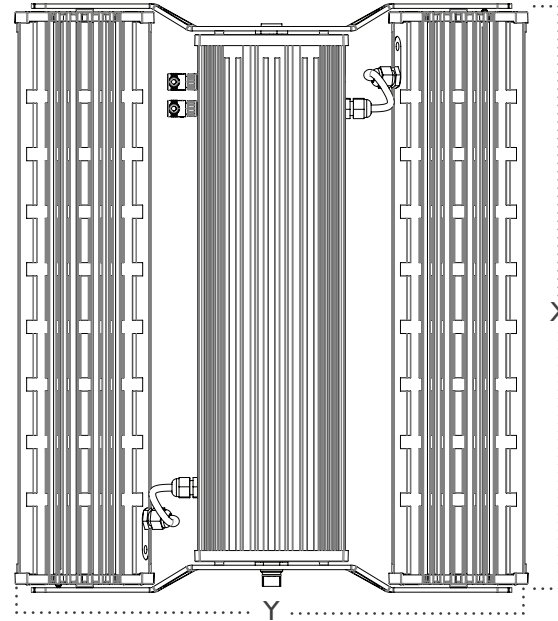


TECHNICAL SPECIFICATIONS*

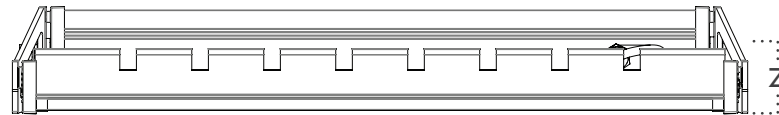
	RWMB	DAYLIGHT
System Efficacy	3.2 $\mu\text{mol/J}$	2.6 $\mu\text{mol/J}$
Flux	2100 $\mu\text{mol/s}$	1673 $\mu\text{mol/s}$
Rated Main Voltage	208 - 400V	
Input Frequency	50 - 60HZ	
Power Factor	>0.98	
Power	660W	
Dimming	0 - 10V (source†)	
Maximum Ambient Operating Temperature	40°C	
Warranty	5 Years	

* Please visit our website for additional and most up-to-date technical information.

†This luminaire is designed as a 0-10V sourcing supply, to be controlled by the customer's 0-10V sinking controller.



DIMENSIONS	
Length (x)	26.14 in (664 mm)
Width (y)	22.80 in (579 mm)
Height (z)	3.81 in (96.7 mm)
Weight	34.1 lb. (15.5 kg)





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