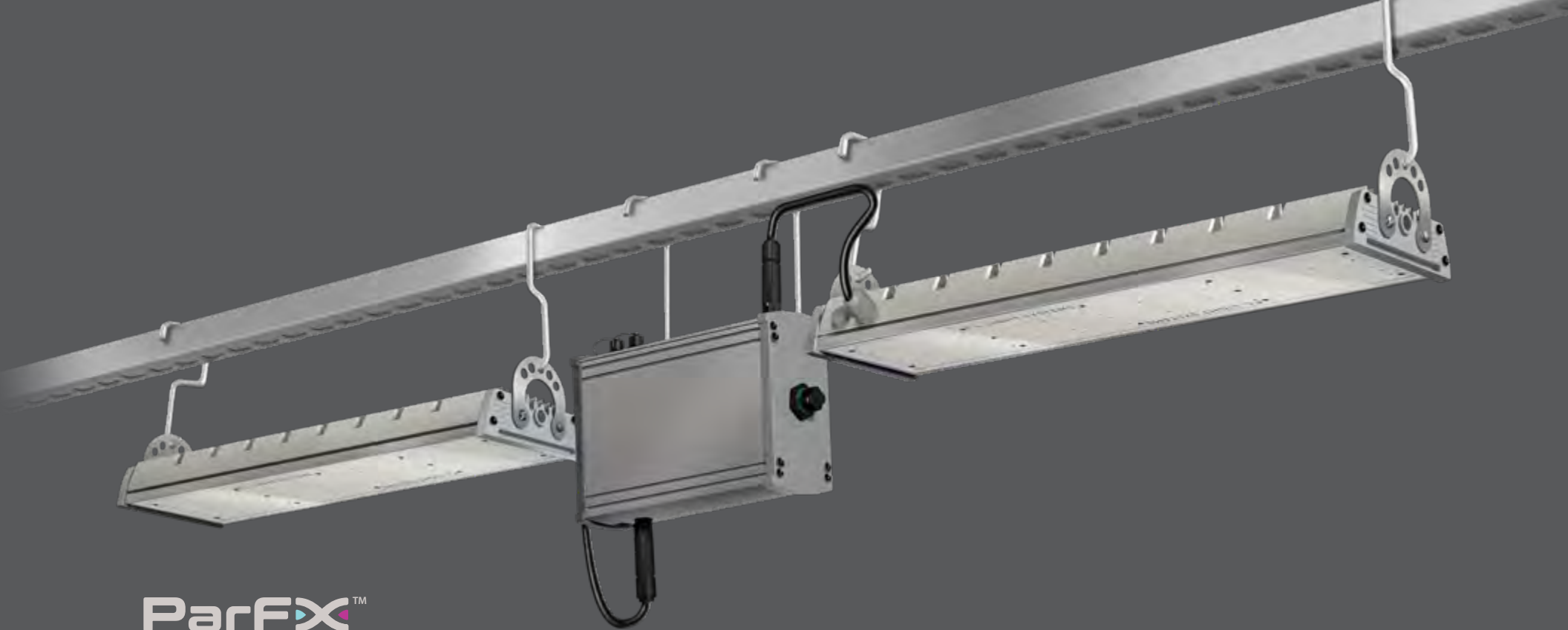




ParFX™

TRIPLANE™

LINEAR REDEFINING LED
GROW LIGHTING



P.L. LIGHT SYSTEMS



TRIPLANETM

LINEAR

The TriPlane Linear leverages the best features of LED and HID technologies — high light output, controlled distribution, optimized efficiencies and exceptional thermal management.

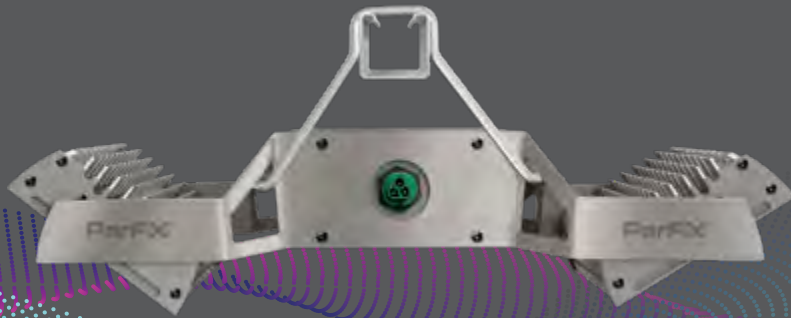
The TriPlane Linear sets a new standard for LED horticultural lighting as a true 1-for-1 replacement of the 1000W HID luminaire and delivers the ideal combination of performance and efficiency.



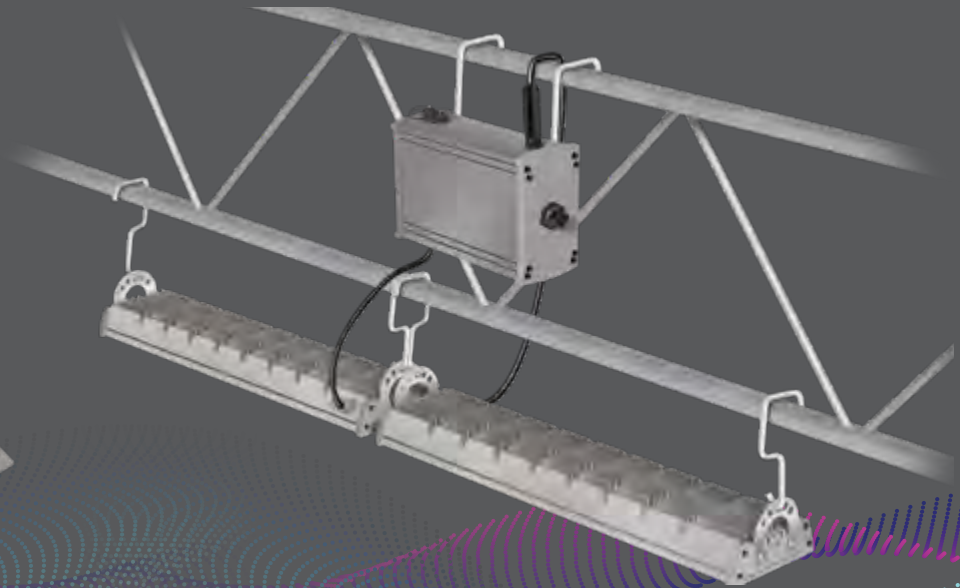
*RWMB_FR Spectrum HO

DESIGNED FOR FUNCTIONAL FLEXIBILITY

Designed for maximum flexibility, the TriPlane Linear offers both Linear and SQ mounting options to deliver the ideal form factor in any application.

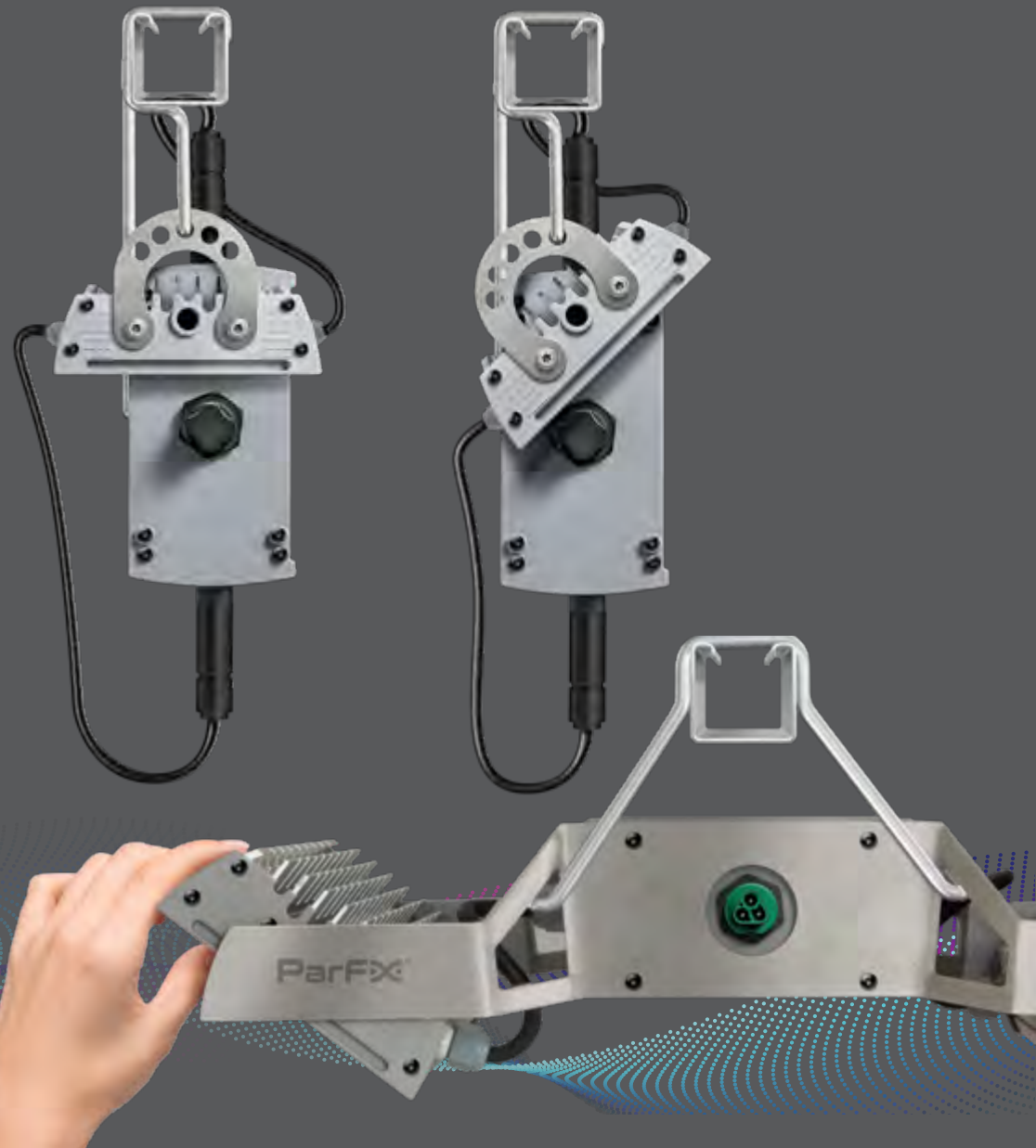


SQ Configuration



Linear Configuration

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



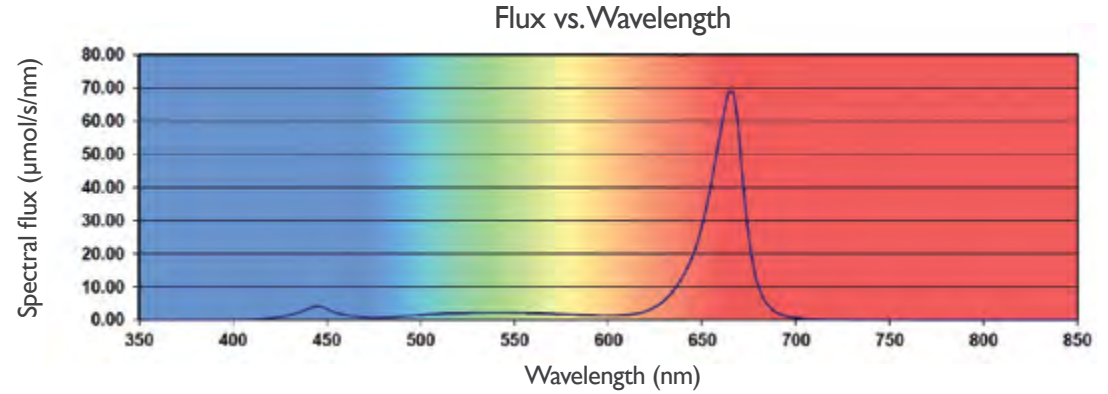
DELIVERING OPTIMUM COLOR EFFICIENCIES

The TriPlane Linear is available in Daylight;
RWMB; RWMB_FR and RWMB+FR spectral
recipes—all of which are optimized for stand-
alone LED applications, or in combination with
HID luminaires for hybrid applications.



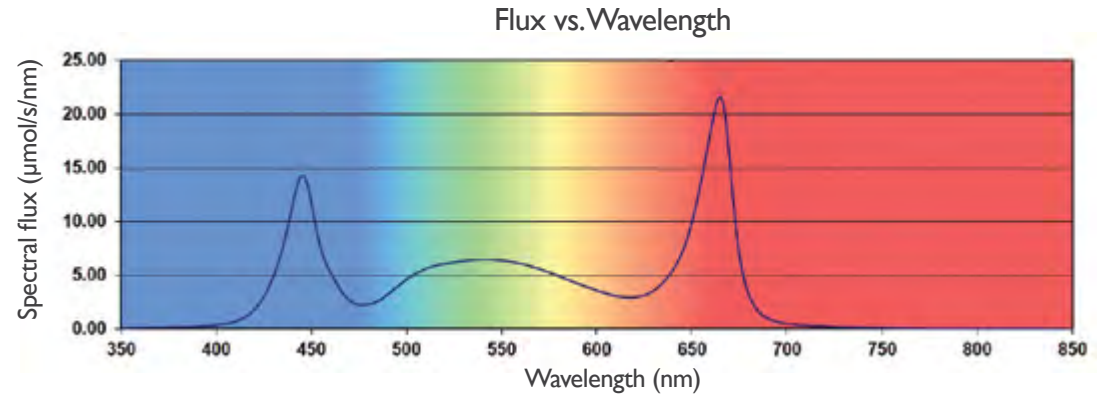
RWMB Spectrum

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



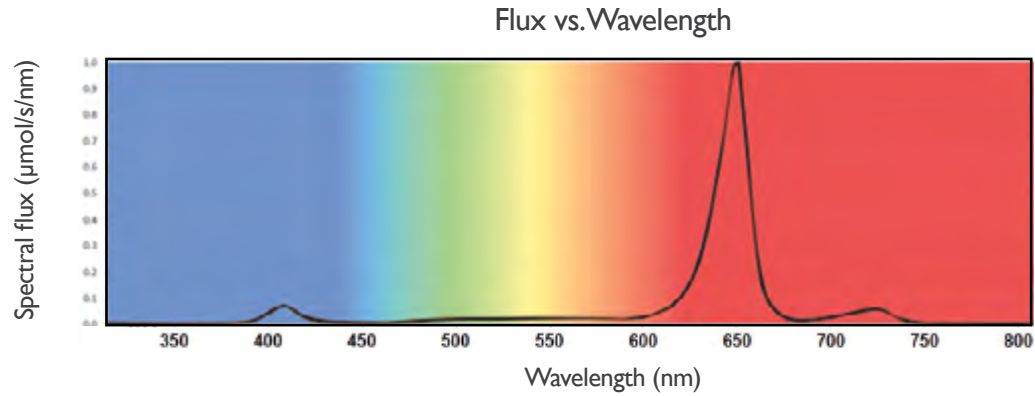
Daylight Spectrum

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



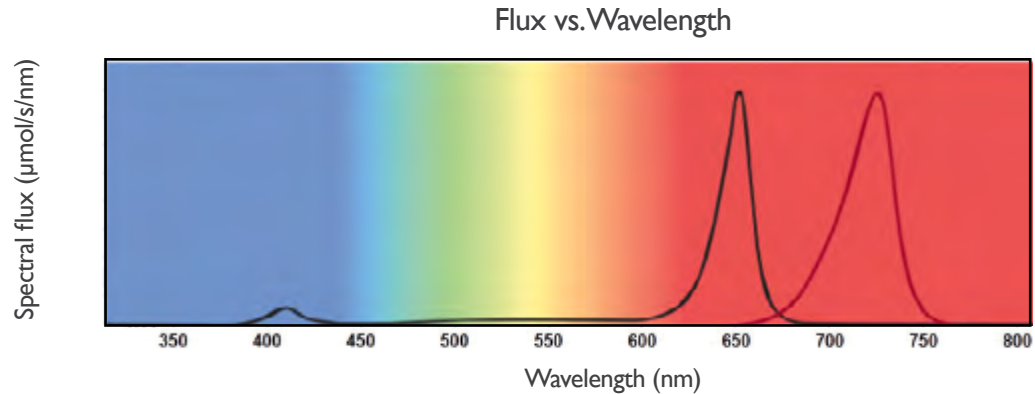
RWMB_FR Spectrum

Optimized for efficiencies in the red and blue wavelengths,
with additional far-red content



RWMB+FR

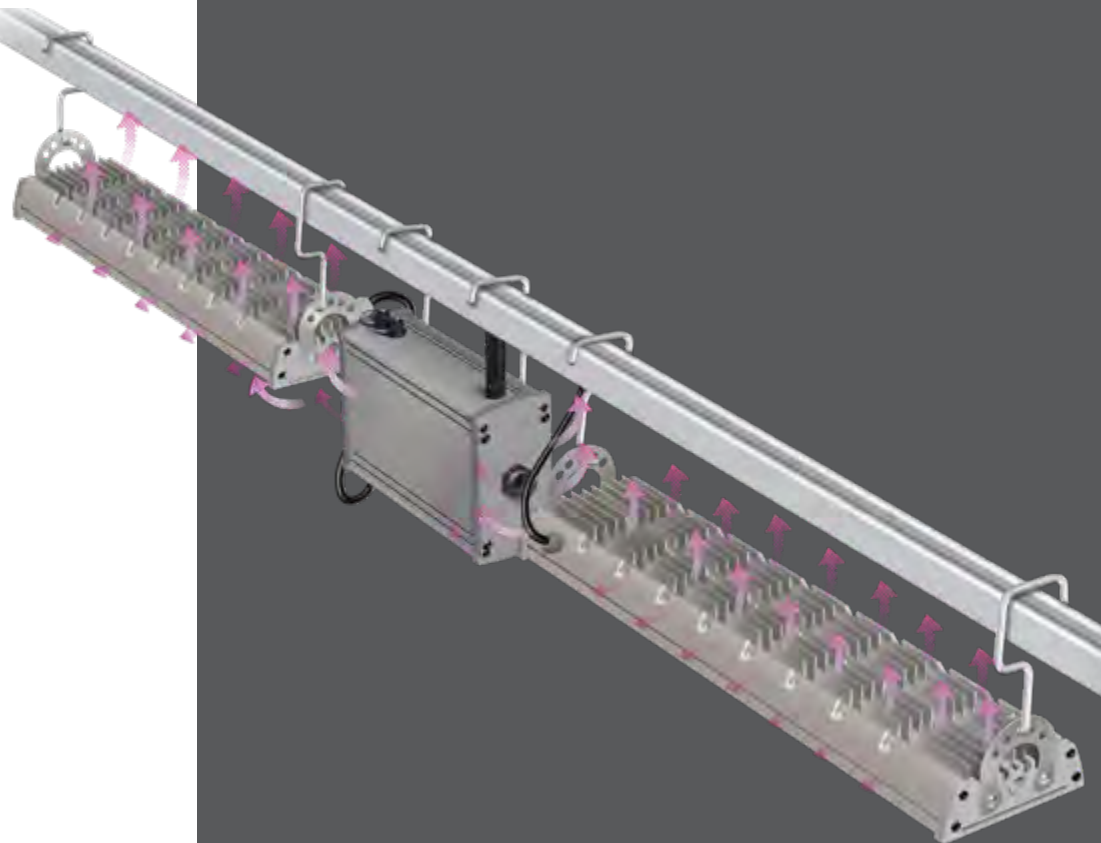
High efficiency spectrum with peaks in the red and blue wavelengths, with
secondary, independently adjustable far-red channel



ENGINEERED FOR OPTIMAL THERMAL MANAGEMENT

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

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 separate from the two LED modules to allow for maximum airflow around the electronics compartment—further allowing for passive cooling.



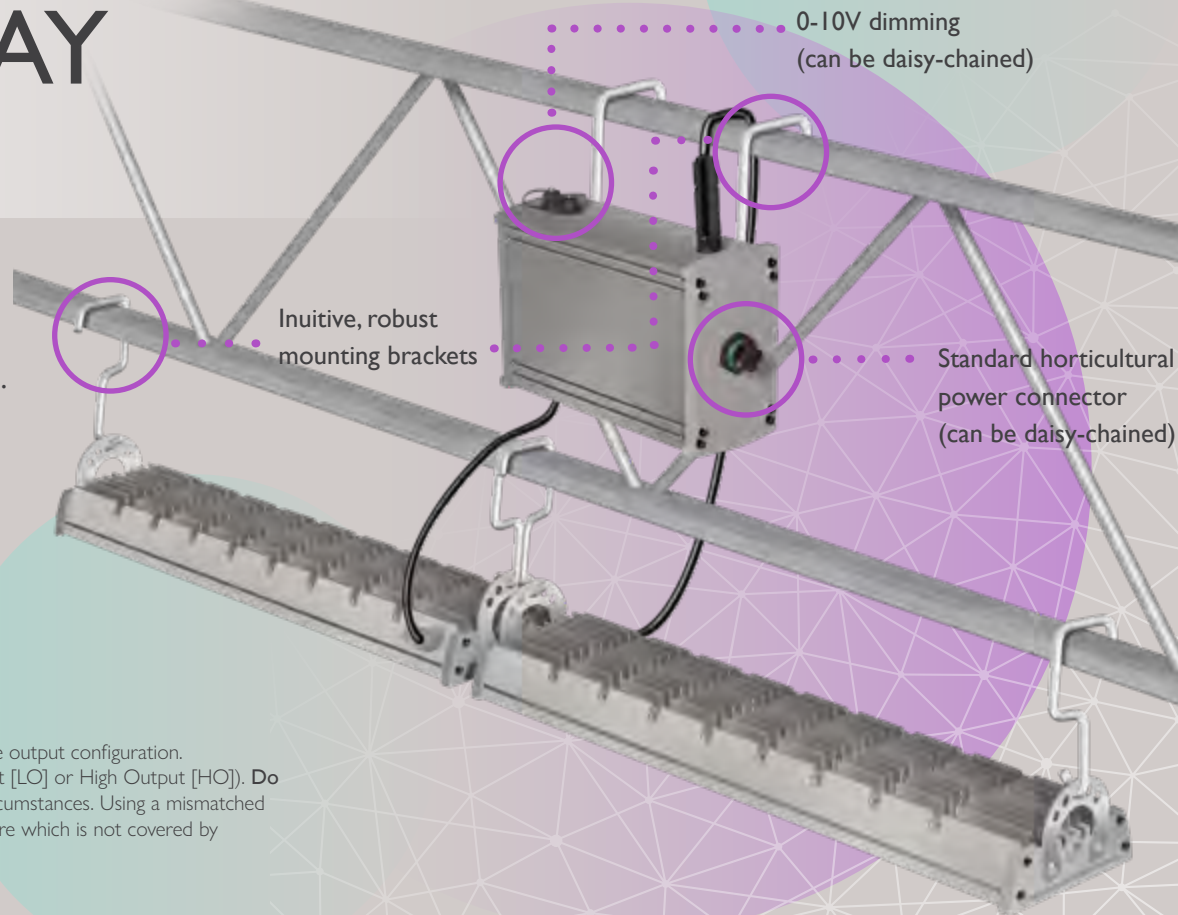
TRUE PLUG-AND-PLAY RETROFIT

A standard horticultural power connector—along with intuitive, toolless mounting brackets—allows for an easy plug-and-play retrofit of existing HID installations.

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

DISCLAIMER

The Triplane Linear system is modular in form but **not** interchangeable in LED module output configuration. Each LED module must be paired **only** with its correctly matched ballast (Low Output [LO] or High Output [HO]). **Do not mix, swap, or cross-pair** different output LED modules and ballasts under any circumstances. Using a mismatched combination can result in **malfunction** and may cause **permanent damage** to the fixture which is not covered by warranty. Always verify output compatibility before installation or service.



TECHNICAL SPECIFICATIONS*

Rated Main Voltage			208-480V						
Amperage (max)			208V	240V	277V	347V	400V	480V	
SINGLE-CHANNEL	RWMB	HO	3.22	2.79	2.42	1.89	1.68	1.40	
		LO	1.90	1.65	1.43	1.14	0.99	0.83	
	DAYLIGHT	HO	3.08	2.67	2.31	1.85	1.60	1.34	
		LO	1.82	1.58	1.37	1.09	0.95	0.79	
	RWMB_FR	HO	3.39	2.94	2.55	2.03	1.76	1.47	
		LO	2.11	1.83	1.58	1.26	1.10	0.91	
DUAL-CHANNEL	RWMB+FR	HO	3.42	2.97	2.57	2.05	1.78	1.48	
Power			RWMB		Daylight		RWMB_FR		RWMB+FR [‡] (2 CH)
			HO		670.8W		705.1W		712.0W
			LO		396.07W		438.9W		N/A
Light Source			LED						
Photon Flux (350-800nm)			RWMB		Daylight		RWMB_FR		RWMB+FR [‡] (2 CH)
			HO		3.3 µmol/J		3.1 µmol/J		3.3 µmol/J
			LO		3.2 µmol/J		3.2 µmol/J		N/A
Photon Efficacy (350-800nm)			RWMB		Daylight		RWMB_FR		RWMB+FR [‡] (2 CH)
			HO		2084 µmol/s		2209 µmol/s		2313 µmol/s
			LO		1256 µmol/s		1424 µmol/s		N/A
Power Factor			>0.97						
Input Frequency			50/60Hz						
Ambient Operating Temperature			40°C (max)						
Lifetime			L90B5 at 50,000 hrs*						

* Accurate to ± 10%

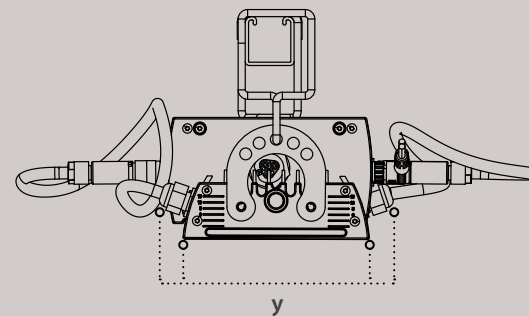
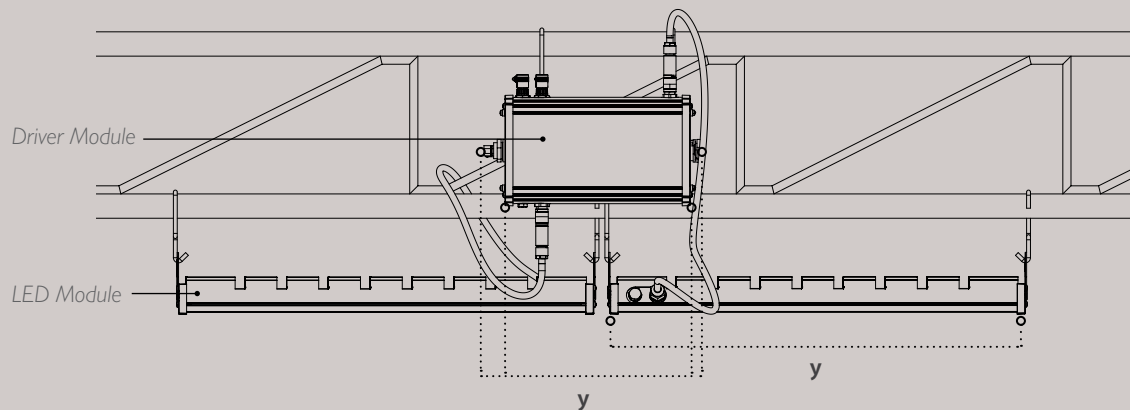
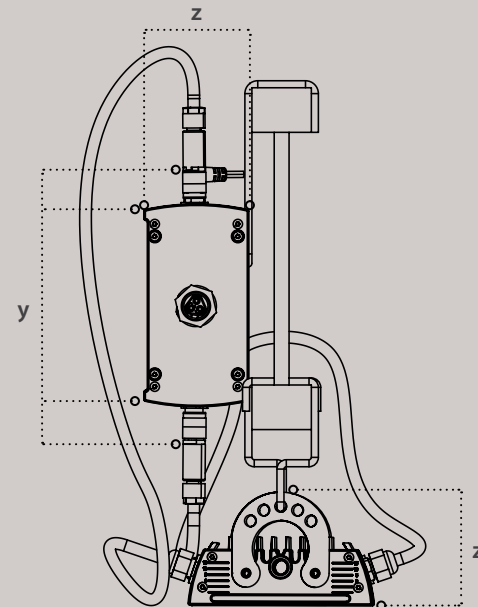
[‡] CSA / DLC pending (RWMB+FR only)

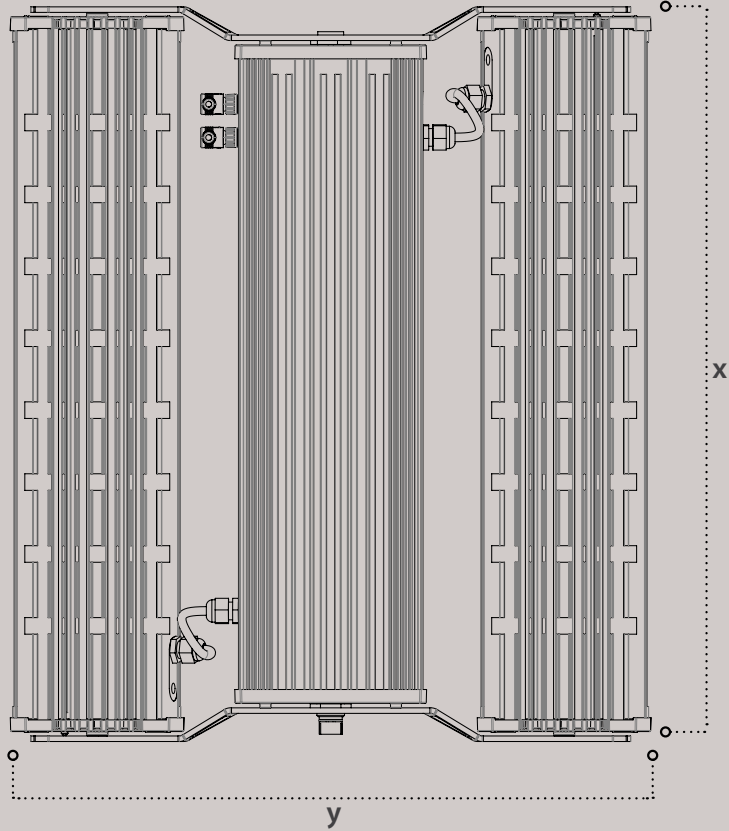
*Scientifically extrapolated calculation for Par Maintenance of light is L90B5 at 50,000hrs (this means that expected lifespan of LEDs is defined as ≤5% of luminaires can depreciate below the expected 90% PAR maintenance within 50,000 hours)



DIMENSIONS - LINEAR CONFIGURATION

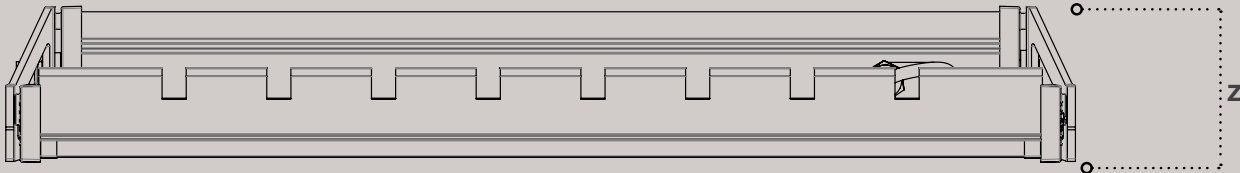
	LED Module		Driver Module (208-400V models)		Driver Module (480V models)	
Length (x)	25.60 in (650mm)		13.30 in (338 mm)		25.20 in (640 mm)	
Width (y)	excl. connectors	incl. connectors	excl. connectors	incl. connectors	excl. connectors	incl. connectors
	6.22 in (158 mm)	7.83 in (199 mm)	9.13 in (232 mm)	13.31 in (338 mm)	9.13 in (232 mm)	13.31 in (338 mm)
Height (z)	3.82 in (97 mm)		3.55 in (90 mm)		3.55 in (90 mm)	
Weight	11.2 lb. (5.1 kg)		6.8 lb. (3.1 kg)		16.1 lb. (7.3 kg)	





DIMENSIONS - SQ CONFIGURATION

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





P.L. LIGHT SYSTEMS

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