



P.L. LIGHT SYSTEMS

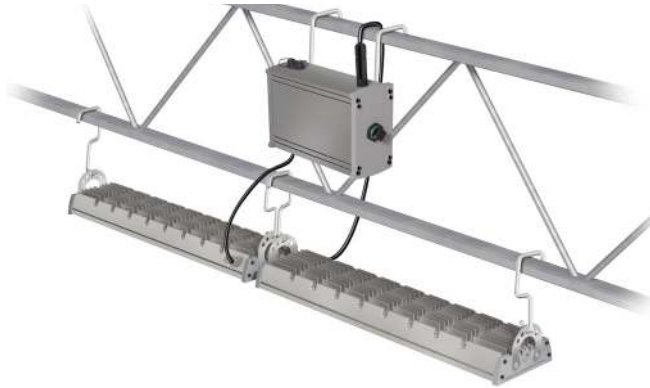
THE LIGHTING KNOWLEDGE COMPANY

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www.pllight.com



PRODUCT	TriPlane Linear
Project	
Notes	



TECHNICAL SPECIFICATIONS[†]

Rated Main Voltage			208-480V											
Amperage (max)			208V		240V		277V		347V		400V		480V	
SINGLE-CHANNEL	RWMB	HO	1.52 ¹	3.22 ²	1.32 ¹	2.79 ²	1.15 ¹	2.42 ²	0.91 ¹	1.93 ²	0.79 ¹	1.68 ²	0.66 ¹	1.40 ²
		LO	0.90 ¹	1.90 ²	0.78 ¹	1.65 ²	0.68 ¹	1.43 ²	0.54 ¹	1.14 ²	0.47 ¹	0.99 ²	0.39 ¹	0.83 ²
	DAYLIGHT	HO	1.46 ¹	3.08 ²	1.26 ¹	2.67 ²	1.09 ¹	2.31 ²	0.87 ¹	1.85 ²	0.76 ¹	1.60 ²	0.63 ¹	1.34 ²
		LO	0.86 ¹	1.82 ²	0.74 ¹	1.58 ²	0.64 ¹	1.37 ²	0.51 ¹	1.09 ²	0.45 ¹	0.95 ²	0.37 ¹	0.79 ²
	RWMB_FR	HO	1.59 ¹	3.39 ²	1.38 ¹	2.94 ²	1.19 ¹	2.55 ²	0.95 ¹	2.03 ²	0.83 ¹	1.76 ²	0.69 ¹	1.47 ²
		LO	0.99 ¹	2.11 ²	0.86 ¹	1.83 ²	0.74 ¹	1.58 ²	0.59 ¹	1.26 ²	0.51 ¹	1.10 ²	0.43 ¹	0.91 ²
DUAL-CHANNEL	RWMB+FR	HO	1.63 ¹	3.42 ²	1.41 ¹	2.97 ²	1.22 ¹	2.57 ²	0.97 ¹	2.05 ²	0.85 ¹	1.78 ²	0.70 ¹	1.48 ²
Power			RWMB		Daylight		RWMB_FR		RWMB+FR [‡] (2 CH)					
			HO	338W ¹	670.8W ²	320W ¹	641.1W ²	350W ¹	705.1W ²	338.2W ¹	712.0W ²			
			LO	198W ¹	396.0W ²	188W ¹	379.2W ²	217W ¹	438.9W ²	N/A				
Light Source			LED											
Photon Efficacy			RWMB		Daylight		RWMB_FR		RWMB+FR [‡] (2 CH)					
(350-800nm)			HO	3.3 µmol/J		2.6 µmol/J		3.1 µmol/J		3.3 µmol/J				
			LO	3.2 µmol/J		2.5 µmol/J		3.2 µmol/J		N/A				
Photon Flux			RWMB		Daylight		RWMB_FR		RWMB+FR [‡] (2 CH)					
(350-800nm)			HO	1042 µmol/s ¹	2084 µmol/s ²	825µmol/s ¹	1651 µmol/s ²	1105 µmol/s ¹	2209 µmol/s ²	1157 µmol/s ¹	2313 µmol/s ²			
			LO	628 µmol/s ¹	1256 µmol/s ²	482 µmol/s ¹	964 µmol/s ²	712 µmol/s ¹	1424 µmol/s ²	N/A				
Power Factor			>0.97											
Input Frequency			50/60Hz											
Application Environment			Intended for use in for Indoor (non-stacked) and Greenhouse controlled environments; Max. Ambient Temp of 40°C											
Lifetime			L90B5 at 50,000 hrs*											

[†]Reported AC-Derated Input Wattage of one LED module. Value shown to meet DLC requirements. Note: The luminaire will only operate when two LED modules are connected to the driver.

[‡]Input power of the luminaire, with two LED modules, as tested by an independent NVLAP accredited laboratory.

¹Accurate to ± 10%

²CSA / 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).

SPECIFICATION

1. LUMINAIRE	2. COLOUR SPECTRUM	3. OUTPUT	4. VOLTAGE	5. DIMMING
TriPlane Linear Single-Channel	RWMB Daylight RWMB_FR	High Output (HO) Low Output (LO)	208-400V 480V	0-10V* Dim to Off
TriPlane Linear Dual-Channel	RWMB+FR	High Output (HO)	277-480V	0-10V* Dim to Off

*The TriPlane is designed as a 0-10V sourcing supply, and is compatible with most major environmental control systems that use 0-10V sinking protocols—including: Hoogendoorn, Argus Control Systems, Priva and Wadsworth Control Systems
Limited warranty for a period of five (5) years, from date of invoice.

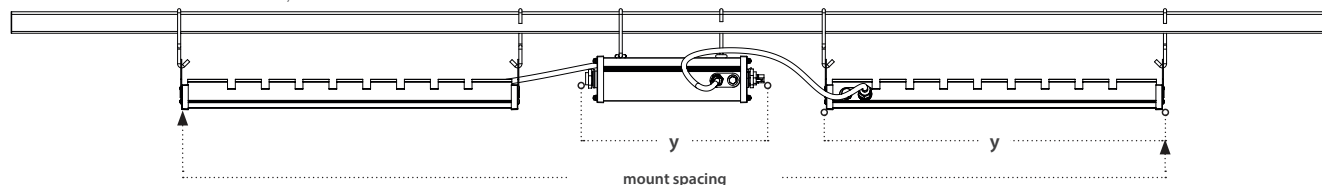


LINEAR MOUNTING CONFIGURATION

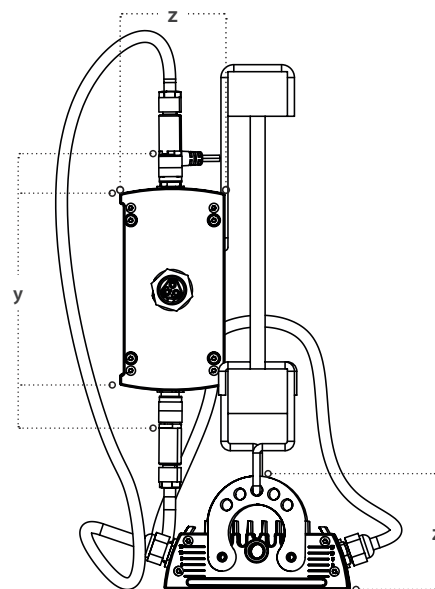
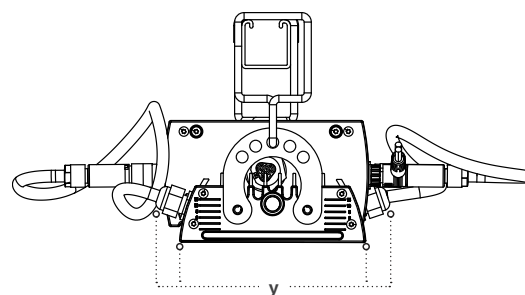
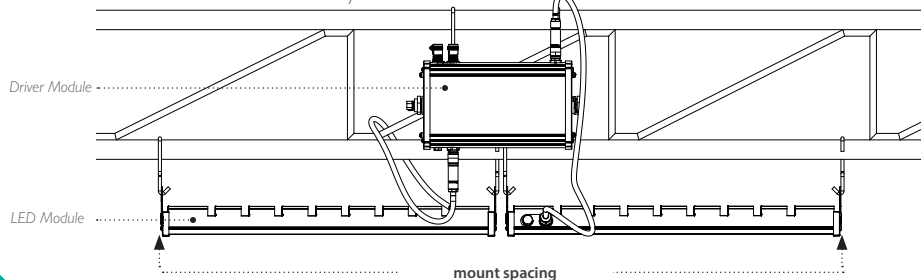
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Driver Module Mounted Horizontally Below the Track



Driver Module Mounted Vertically Above the Track



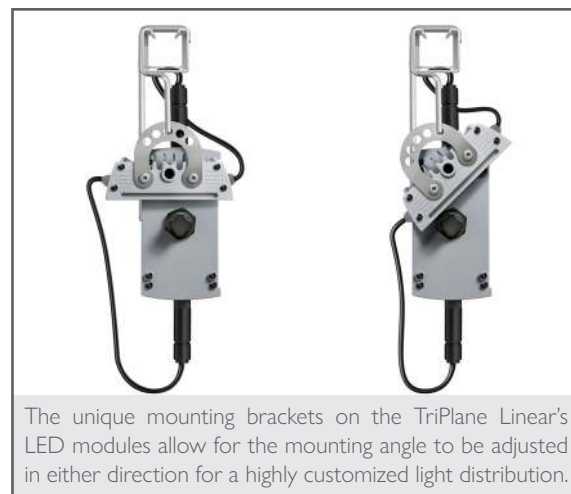
DIMENSIONS

	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 (97mm)		3.55 in (90mm)		3.55 in (90mm)	
Weight	11.2 lb. (5.1 kg)		6.8 lb. (3.1 kg)		16.1 lb. (7.3 kg)	

MOUNT SPACING

	Driver Module Mounted Above Track	Driver Module Mounted Below Track	
		208-400V models	480V models
Minimum	51.97 in (1320 mm)	74.41 in (1890 mm)	86.30 in (2192 mm)
Maximum	292.25 in (7423 mm)	316.50 in (8039 mm)	328.5 in (8344 mm)

DAISY-CHAIN GUIDE		Max. Number of Luminaires / String	
		Luminaire Output	
POWER	208V	HO	LO
	240V	3	6
	277V	4	7
	347V	4	8
	400V	5	10
	480V	6	12
DIMMING		6	12
		25	25





SQ MOUNTING CONFIGURATION

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With the TriPlane Linear's SQ mounting configuration, LED modules can be field-adjusted independently in 15° increments in either direction — allowing for highly customized light distribution.

Standard Distribution



Wide Distribution



Focused Distribution

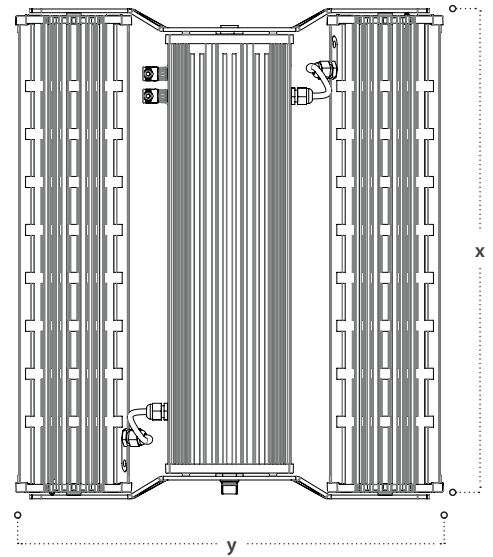
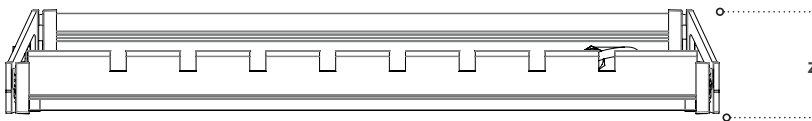


Asymmetric Distribution



DIMENSIONS

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)



DAISY-CHAIN GUIDE		Max. Number of Luminaires / String	
		Luminaire Output	
POWER	208V	HO	LO
	240V	3	6
	277V	4	7
	347V	4	8
	400V	5	10
	480V	6	12
DIMMING		6	12
		25	25