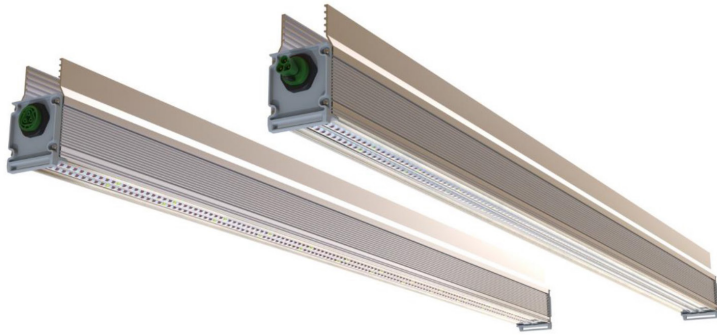




T: 905.563.4133
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P.L. LIGHT SYSTEMS

THE LIGHTING KNOWLEDGE COMPANY



PRODUCT	ParFX™ BalensBeam
Project	
Notes	



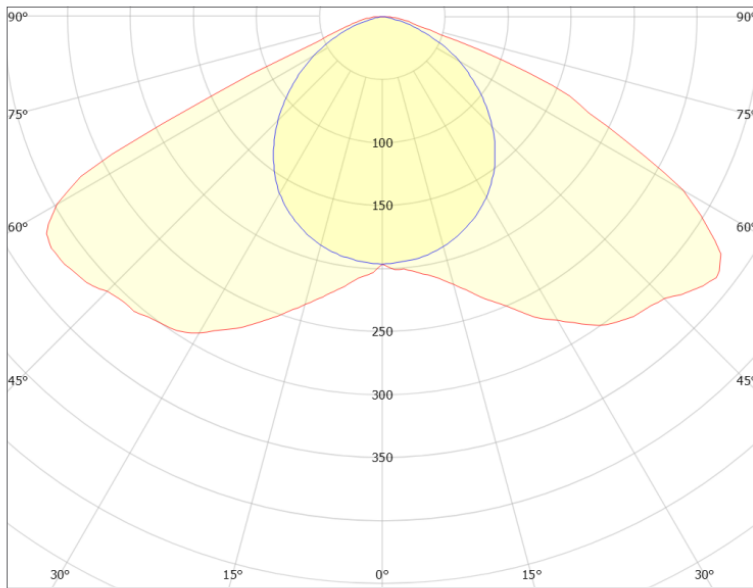
TECHNICAL SPECIFICATIONS [†]					
Rated Main Voltage	208-400V				
Amperage (max)	208V	240V	277V	347V	400V
	1.11	0.96	0.83	0.66	0.58
Power	230W				
Light Source	LED				
Photon Flux (350-800nm)	R90:W5:B5	R79:W8:B5:FR8		R95:B5	
	805 µmol/s	780 µmol/s		830 µmol/s	
Photon Efficacy (350-800nm)	R90:W5:B5	R79:W8:B5:FR8		R95:B5	
	3.5 µmol/J	3.4 µmol/J		3.6 µmol/J	
Power Factor	>0.98				
Input Frequency	50/60Hz				
Environment	35°C Max. Ambient Operating Temperature; Suitable for Wet Locations				
Lifetime (L90)	L90B5 at 36,000 hours [‡]				

[†]Accurate to ± 10%

[‡]Scientifically extrapolated calculation for Par Maintenance of light is L90B5 at 36,000hrs (this means that expected lifespan of LEDs is defined as ≤5% of luminaires can depreciate below the expected 90% PAR maintenance within 36,000 hours). Limited warranty for a period of five (5) years, from date of invoice.

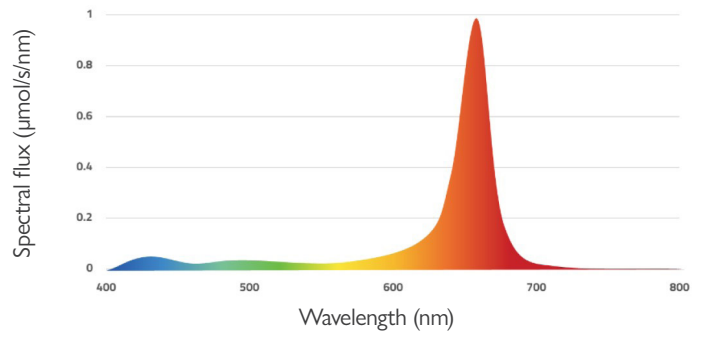
SPECIFICATION				
1. LUMINAIRE	2. COLOUR SPECTRUM	3. WATTAGE	3. VOLTAGE	4. DIMMING
ParFX BalensBeam	R90:W5:B5 R79:W8:B5:FR8 R95:B5	230W	208-400V	PLC Dim to Off*

*Power Line Communication (PLC) dimming requires the purchase of P.L. Light Systems supplied transmitter system, with the gateway connecting to the customer's climate computer via Modbus TCP/IP. Customer's climate computer must utilize HLP.

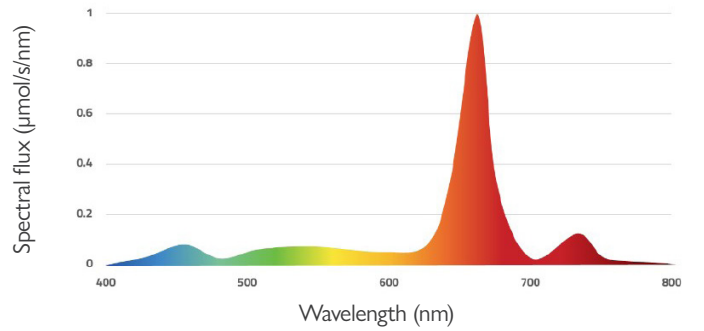


The luminaire delivers optimized PAR light intensity in both the horizontal & vertical planes to ensure uniform light distribution across the surface of the crop, as well as deep within the canopy.

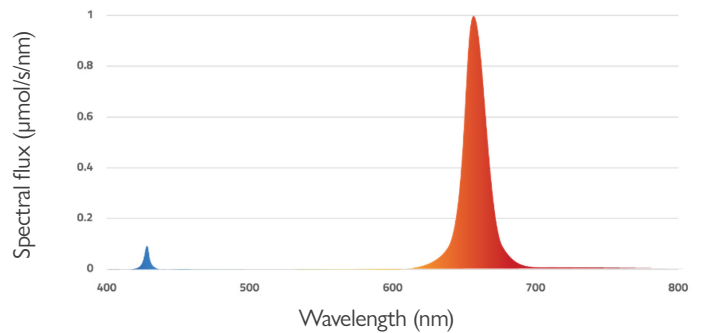
R90:W5:B5 Spectrum



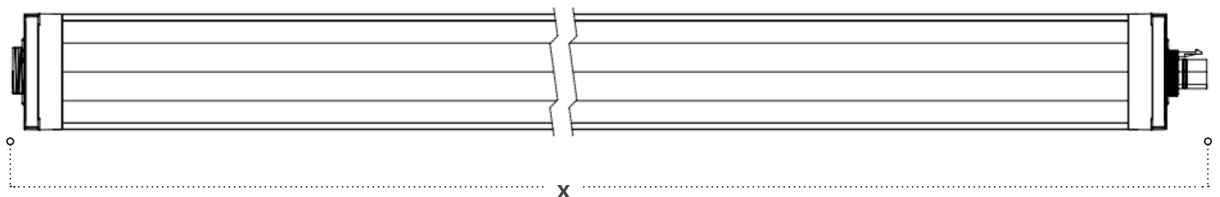
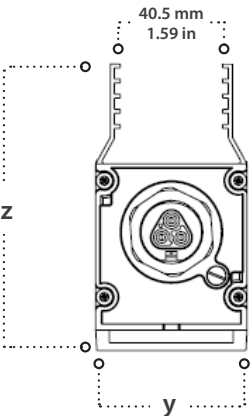
R79:W8:B5:FR8 Spectrum



R95:B5 Spectrum



DIMENSIONS	
Length (x)	48.82 in (1240 mm)
Width (y)	2.36 in (60 mm)
Height (z)	4.45 in (113 mm)
Weight	7.98 lb. (3.62 kg)



DAISY-CHAIN GUIDE	Max. Number of Luminaires / String				
	System	Circuit Breaker C-Type	Circuit Breaker Configuration Type	Max # Modules per Phase Pair	
POWER	208V	P-P	16A	3P	6
	208V	P-P	16A	3*2P	10
	240V	P-P	16A	3P	7
	240V	P-P	16A	3*2P	12
	277V	P-N	16A	4P	14
	347V	P-N	16A	4P	17
	400V	P-P	16A	3*2P	17

N = Neutral P = Phase 2P = 2-Phase Breaker Type 3P = 3-Phase Breaker Type 4P = 3-Phase + Neutral Breaker Type