



P.L. LIGHT SYSTEMS

THE LIGHTING KNOWLEDGE COMPANY

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www.plight.com



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	R44:W33:B23	R37:W37:B18FR8
	805 µmol/s	780 µmol/s	830 µmol/s	600 µmol/s	628 µmol/s
Photon Efficacy (350-800nm)	R90:W5:B5	R79:W8:B5:FR8	R95:B5	R44:W33:B23	R37:W37:B18FR8
	3.5 µmol/J	3.4 µmol/J	3.6 µmol/J	2.6 µmol/J	2.7 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.

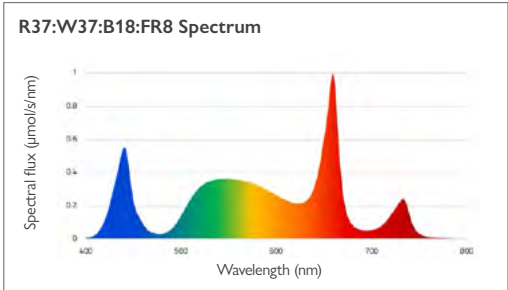
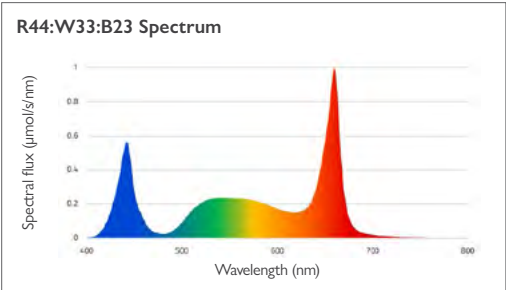
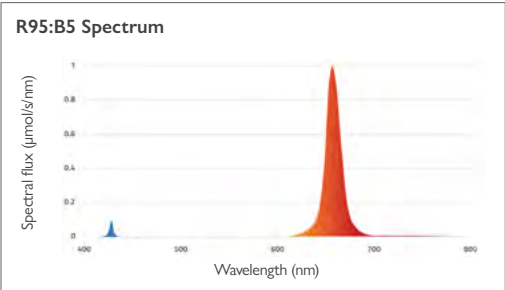
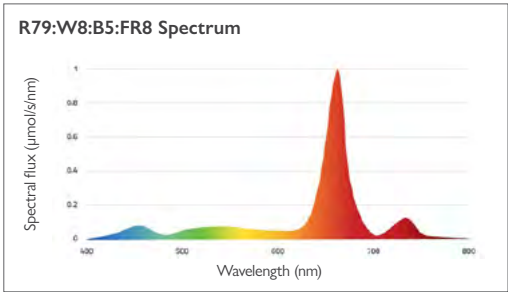
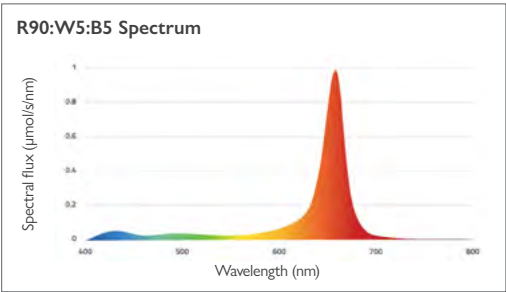
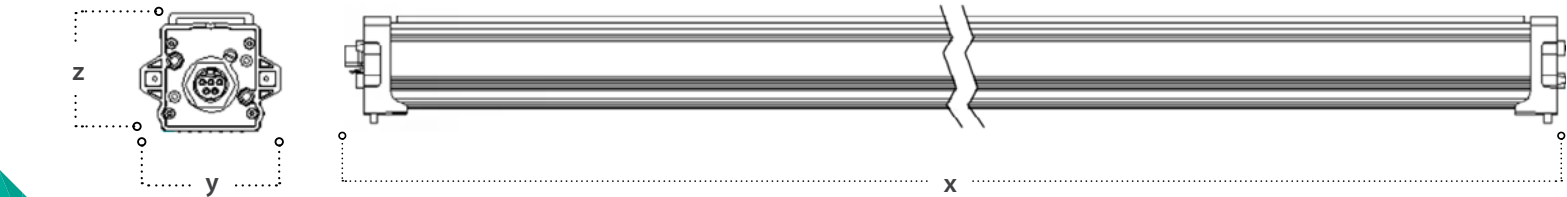
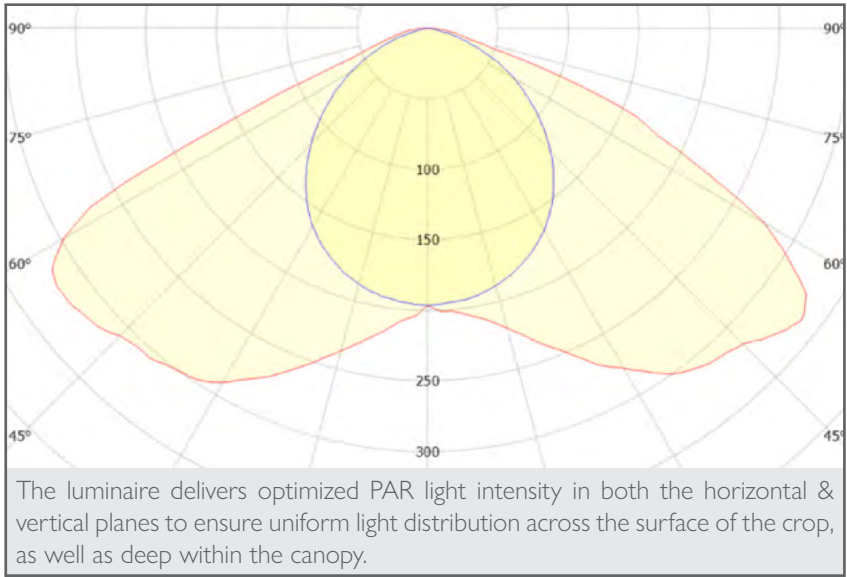
SPECIFICATION

1. LUMINAIRE	2. COLOUR SPECTRUM	3. WATTAGE	3. VOLTAGE	4. DIMMING
ParFX BalensBeam	R90:W5:B5 R79:W8:B5:FR8 R95:B5 R44:W33:B23 R37:W37:B18FR8	230W	208-400V	Digital Dim to Off* (Default) PLC Dim to Off**

*Digital dimming is based on RS485 standard. Compatible with with HLP protocol module enabled climate control systems. Luminaire can be dimmed to 30% of max light output

**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.

DIMENSIONS	
Length (x)	48.98 in (1244 mm)
Width (y)	3.96 in (100.6 mm)
Height (z)	3.37 in (85.7 mm)
Weight	9.17 lb. (4.17 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