

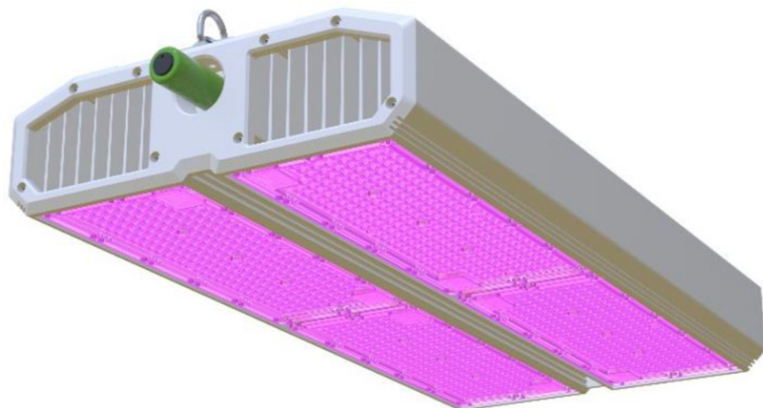


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P.L. LIGHT SYSTEMS

THE LIGHTING KNOWLEDGE COMPANY



PRODUCT	ParFX™ Ultra (Dual-Channel)
Project	
Notes	



TECHNICAL SPECIFICATIONS[†]

Rated Main Voltage	277-400V					
Amperage (max)	277V		347V		400V	
	CHANNEL 1	CHANNEL 2	CHANNEL 1	CHANNEL 2	CHANNEL 1	CHANNEL 2
Ultra	2.7	0.3	2.2	0.2	1.9	0.2
Ultra Plus	3.8	0.3	3.0	0.3	2.6	0.2
Ultra Max	4.3	0.4	3.4	0.3	3.0	0.3
Power	CHANNEL 1			CHANNEL 2		
Ultra	750W			85W		
Ultra Plus	1040W			95W		
Ultra Max	1170W			115W		
Light Source	LED					
Spectrum	CHANNEL 1			CHANNEL 2		
	R90:W5:B5			FR		
Photon Flux	Mode 1 (CH1-ON, CH2-OFF)		Mode 2 (CH1-OFF, CH2-ON)		Mode 3 (CH1-ON, CH2-ON)	
Ultra	2700 μmol/s		281 μmol/s		2675 μmol/s	
Ultra Plus	3744 μmol/s		314 μmol/s		3716 μmol/s	
Ultra Max	4308 μmol/s		379 μmol/s		4274 μmol/s	
Photon Efficacy	Mode 1 (CH1-ON, CH2-OFF)		Mode 2 (CH1-OFF, CH2-ON)		Mode 3 (CH1-ON, CH2-ON)	
	3.6 μmol/J		3.3 μmol/J		3.5 μmol/J	
Power Factor	>0.97					
Input Frequency	50/60Hz					
Environment	35°C Max. Ambient Operating Temperature; Suitable for Wet Locations					
Lifetime (L90)	L90B5 at 50,000 hours*					

[†]Accurate to ± 10%

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*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. CHANNELS	3. COLOUR SPECTRUM	4. VOLTAGE	5. DIMMING
ParFX Ultra ParFX Ultra Plus ParFX Ultra Max	Dual-Channel	R90:W5:B5+FR8	277-400V	Digital 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 20% of max light output. By default, luminaire operates at 100% on CHANNEL 1.

Limited warranty for a period of five (5) years, from date of invoice.

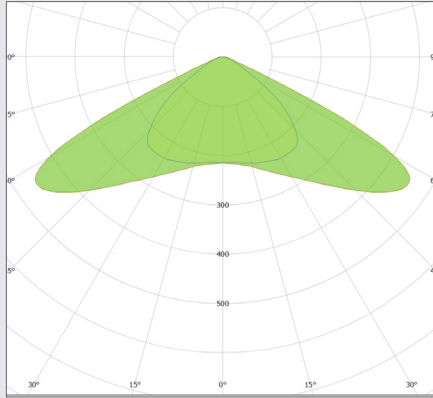


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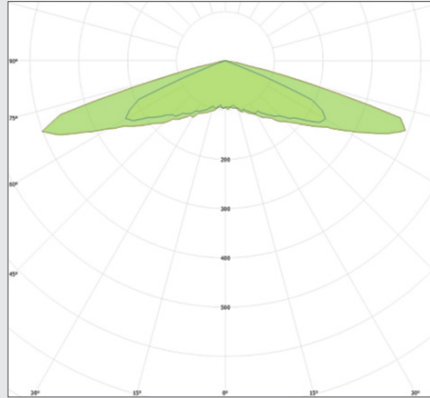
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Medium Wide



Ultra-Wide

The ParFX Ultra's lens is optically engineered to deliver a wide or ultra-wide batwing distribution for exceptional uniformity. This ideal combination of wide light distribution and exceptionally high light output enables wider spacing, so growers can achieve desired light levels—evenly across the surface of the crop—with fewer luminaires.

DIMENSIONS

	Ultra	Ultra Plus	Ultra Max
Length (x)	24.41 in (620 mm)	22.91 in (582 mm)	27.87 in (708 mm)
Width (y)	11.65 in (296 mm)	13.98 in (355 mm)	13.98 in (355 mm)
Height (z)	3.58 in (91 mm)	4.13 in (105 mm)	4.13 in (105 mm)
Weight	22.1 lb. (10 kg)	28.7 lb. (13 kg)	34.8 lb. (15.8 kg)

