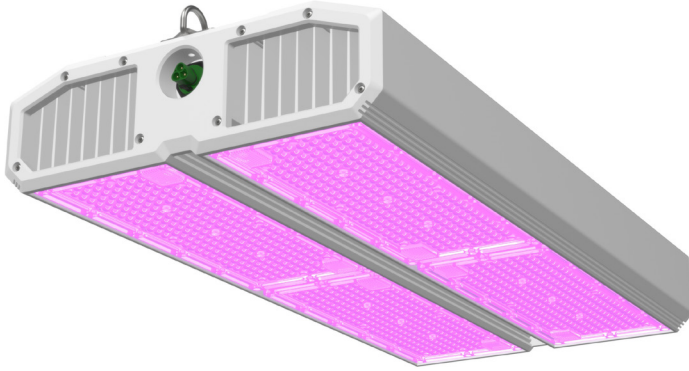




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P.L. LIGHT SYSTEMS

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PRODUCT	ParFX™ Ultra (Single-Channel)
Project	
Notes	



TECHNICAL SPECIFICATIONS†

Rated Main Voltage	277-480V								
Amperage (max)	277V		347V		400V		480V		
	Ultra	2.70		2.16		1.88		1.56	
	Ultra Plus	3.75		3.00		2.60		2.17	
Power	R95:B5	R90:W5:B5	R80:W5:B7:FR8	R37:W37:B18:FR8	R57:W30:B12:FR1	R78:W9:B5:FR8	R85:W5:B5:FR5	R40:W40:B18:FR2	
	Ultra	750W	750W	750W	750W	750W	750W	750W	N/A
	Ultra Plus	1040W	1040W	1040W	1040W	1040W	1040W	1040W	1040W
Light Source	LED								
Photon Flux (350-800nm)	R95:B5	R90:W5:B5	R80:W5:B7:FR8	R37:W37:B18:FR8	R57:W30:B12:FR1	R78:W9:B5:FR8	R85:W5:B5:FR5	R40:W40:B18:FR2	
	Ultra	2827 µmol/s	2774	2849 µmol/s	2215 µmol/s	2189 µmol/s	2819 µmol/s	2929 µmol/s	N/A
	Ultra Plus	4019 µmol/s	3813	3945 µmol/s	2990 µmol/s	3140 µmol/s	3869 µmol/s	3817 µmol/s	2765 µmol/s
Photon Efficacy (350-800nm)	R95:B5	R90:W5:B5	R80:W5:B7:FR8	R37:W37:B18:FR8	R57:W30:B12:FR1	R78:W9:B5:FR8	R85:W5:B5:FR5	R40:W40:B18:FR2	
	Ultra	3.7 µmol/J	3.7 µmol/J	3.8 µmol/J	2.9 µmol/J	2.9 µmol/J	3.8 µmol/J	3.6 µmol/J	N/A
	Ultra Plus	3.9 µmol/J	3.7 µmol/J	3.8 µmol/J	2.9 µmol/J	3.0 µmol/J	3.8 µmol/J	3.7 µmol/J	2.72 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%

*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	Single-Channel	R95:B5* R90:W5:B5* R80:W5:B7: FR8* R37:W37:B18:FR8* R57:W30:B12:FR1* R78:W9:B5:FR8* R85:W5:B5:FR5* R40:W40:B18:FR2* R90:W5:B5+FR8 (2-CH)** Custom	277-400V 480V	0-10V* DIM (default) Digital Dim to Off** *Luminaire 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. **Digital dimming is based on RS485 standard.

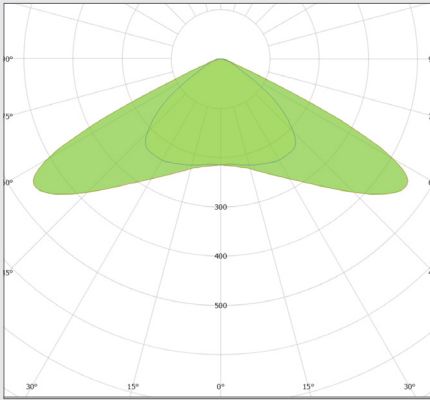
Limited warranty for a period of five (5) years, from date of invoice.



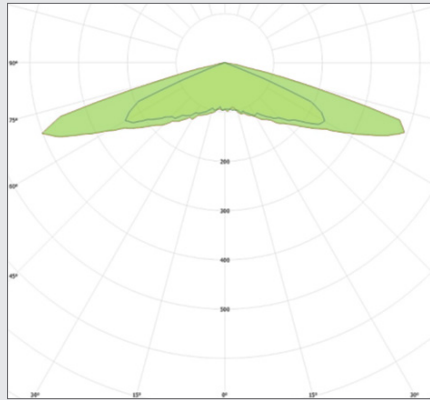
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Medium Wide



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

