

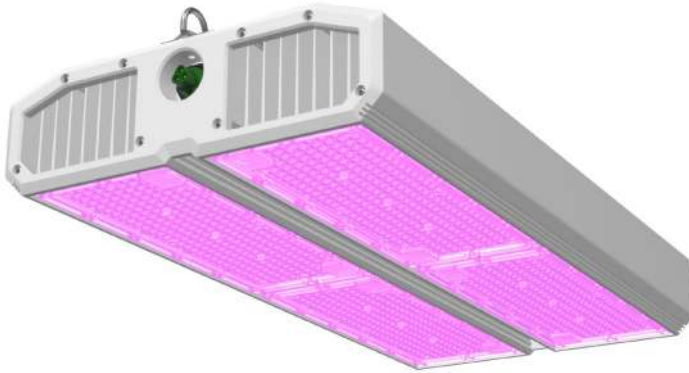


T: 905.563.4133

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P.L. LIGHT SYSTEMS

THE LIGHTING KNOWLEDGE COMPANY



PRODUCT	ParFX™ Ultra (Single-Channel)
Project	
Notes	



TECHNICAL SPECIFICATIONS†

		Ultra Lite			Ultra			Ultra Plus		
Rated Main Voltage		208-240V / 480V			277-480V			277-400V		
Amperage (max)		208V		240V	277V		347V		400V	480V
		Ultra Lite	2.88	2.50	-		-		-	1.25
		Ultra	-	-	2.70		2.16		1.88	1.56
		Ultra Plus	-	-	3.75		3.00		2.60	-
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 Lite	-	600W	600W	600W	600W	-	-	600W
		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 Lite	-	2185 µmol/s	2005 µmol/s	1557 µmol/s	1722 µmol/s	-	-	1588 µmol/s
		Ultra	2827 µmol/s	2774 µmol/s	2849 µmol/s	2215 µmol/s	2189 µmol/s	2819 µmol/s	2929 µmol/s	-
		Ultra Plus	4019 µmol/s	3813 µmol/s	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 Lite	-	3.6 µmol/J	3.4 µmol/J	2.6 µmol/J	2.9 µmol/J	-	-	2.6 µmol/J
		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	-
		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	2.7 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 (expected lifespan of LEDs is defined as ≤5% of luminaires can depreciate below expected 90% PAR maintenance within 50,000 hrs).

SPECIFICATION

1. LUMINAIRE	2. CHANNELS	3. COLOUR SPECTRUM	4. VOLTAGE	5. DIMMING
ParFX Ultra Lite ParFX Ultra ParFX Ultra Plus	Single-Channel	Available for Ultra Lite models Available for Ultra Plus models R40:W40:B18:FR2* R90:W5:B5* R80:W5:B7: FR8* R37:W37:B18:FR8* R57:W30:B12:FR1* R78:W9:B5:FR8* R85:W5:B5:FR5* R95:B5*	208-240V† 277-400V‡ 480V †Ultra Lite models only ‡Ultra / Ultra Plus models only	0-10V" DIM (default) Digital Dim to Off** *Luminaire is designed as a 0-10V sourcing supply, and compatible with most major environmental control systems using 0-10V sinking protocols—including: Hoogendoom, Argus Control Systems, Priva & Wadsworth Control Systems. Luminaire can be dimmed to 30% of max light output. **Digital dimming is based on RS485 standard. Compatible with with H-LP protocol module enabled climate control systems. Luminaire can be dimmed to 20% of max light output.

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

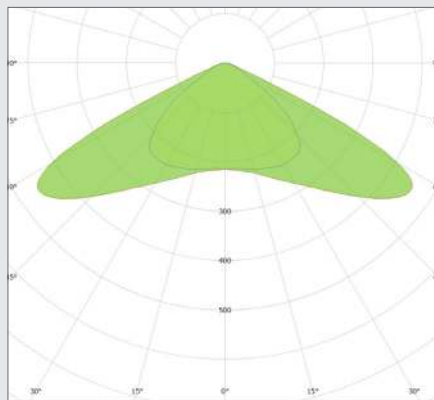


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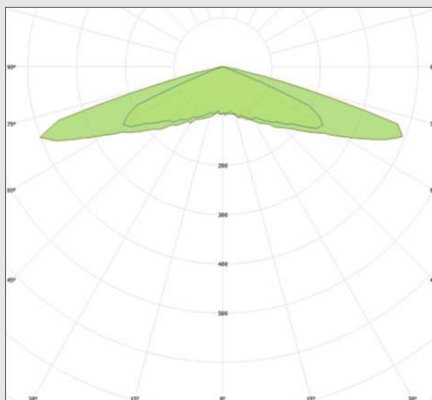
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Medium Wide



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 Lite	Ultra	Ultra Plus
Length (x)	19.48 in (495 mm)	24.41 in (620 mm)	22.91 in (582 mm)
Width (y)	12.05 in (306 mm)	11.65 in (296 mm)	13.98 in (355 mm)
Height (z)	3.66 in (93 mm)	3.58 in (91 mm)	4.13 in (105 mm)
Weight	20.7 lb. (9.4 kg)	22.1 lb. (10 kg)	28.7 lb. (13 kg)

