



MAXIMUM CANOPY

SPECIFICATIONS VEGETATION LIGHT MC580VC-2 (Set B)

Light Source	LED
Spectrum	Full Spectrum
Total Light Output PPF (Master & Slave unit, 819 $\mu\text{mol/s}$ @ 315W each)	1638 $\mu\text{mol/s}$
*Boost Mode (Master & Slave unit, 966 $\mu\text{mol/s}$ @ 375W each)	1913 $\mu\text{mol/s}$
LED Chips	5054 High power ultra high efficiency 3W LED
Efficacy	2.6 $\mu\text{mol/J}$ @ 277V AC
AC Input Power	630W @ 277V AC
AC Input Power *Boost Mode	750W @ 277V AC
AC Input Voltage	120-277V AC, 50/60Hz
Light Distribution	120°
Mounting Height	1" - 12" (2.5cm - 30.5cm) above canopy of a plant
Thermal Management	Passive
Max. Ambient Temperature	95°F / 35°C
Dimming	0-10V/PWM Source
Total Harmonic Distortion (THD)	<10%
Lifetime	LM80 L80:>50,000hrs
IP Rating	IP66
Certifications	Conform to UL 1598 Wet Location
Warranty	3 Year Standard & 2 Year Additional Warranty (Optional)

NOMINAL ELECTRICAL AC INPUT

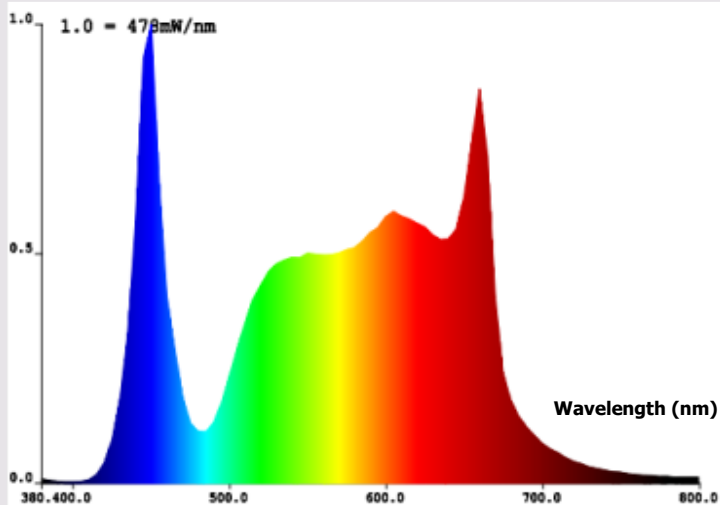
AC VOLTAGE	120V	208V	230V	277V
AC Current	5.42 A	3.03 A	2.73 A	2.23 A
AC Power	652W	636W	635W	631 W
Power Factor	0.997	0.991	0.99	0.98

NOMINAL ELECTRICAL AC INPUT (Boost Mode) *

AC VOLTAGE	120V	208V	230V	277V
AC Current	6.45 A	3.60 A	3.25 A	2.65 A
AC Power	776W	757W	755W	750 W
Power Factor	0.997	0.991	0.99	0.98

* At 77°F ambient temperature & with Tolerance $\pm 10\%$

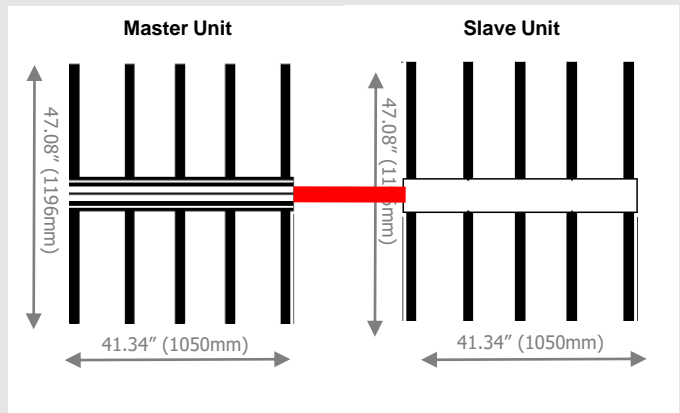
SPECTRA



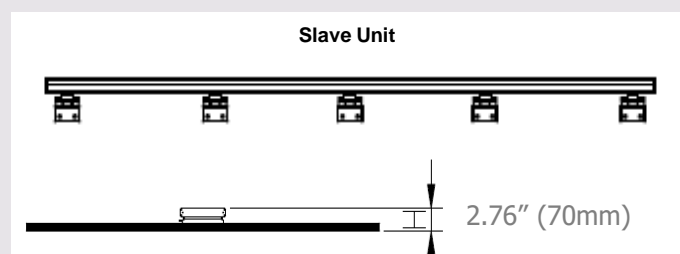
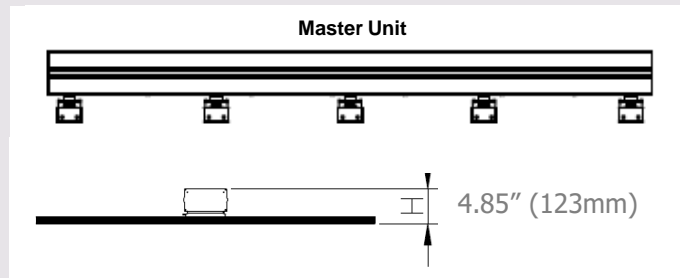
DIMENSIONS

Parts	Length	Width	Height	Weight
Master Unit	41.34" 1050mm	47.08" 1196mm	4.85" 123mm	32.8 lbs. 14.75 kg
Master Ballast Box	41.34" 1050mm	6.06" 156mm	3.07" 78mm	16.4 lbs. 7.35 kg
Slave Unit	41.34" 1050mm	47.08" 1196mm	2.76" 70mm	14.6 lbs. 6.8 kg
Slave Ballast Box	41.34" 1050mm	6.06" 156mm	1.00" 25mm	5.1 lbs. 2.3 kg

Top View



Side View



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