



PRODUCT GUIDE

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SPECIFICATIONS

Light Source

LED

Efficacy (100W)

>2.43 $\mu\text{mol}/\text{J}$

PPF (100W)

250 $\mu\text{mol}/\text{sec}$

Input Power

80W~100W MAX

Input Voltage / Current (90W)

120 @.85A | 240 @ .43A | 277 @ .40A

L/H/W/Weight

36 / 2.5 / 10 / 8lbs

Mounting Height

>12 Inches Above Canopy

Operating Temperature

0F ~ 90F

Thermal Management

PASSIVE CONVECTION

Dimming

0-10V / PWM / MANUAL PRESET

Lifetime per TM21 L70 / L90

80K hrs / 35K hrs

Warranty

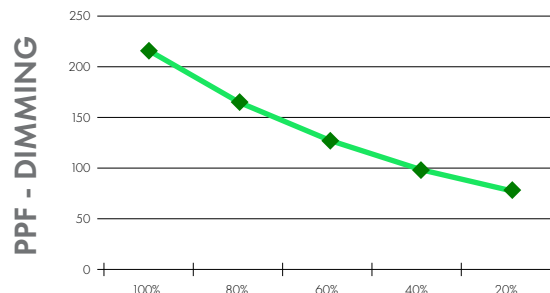
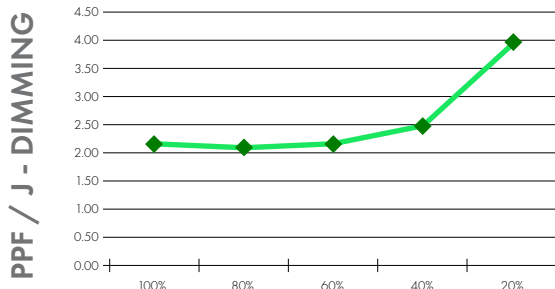
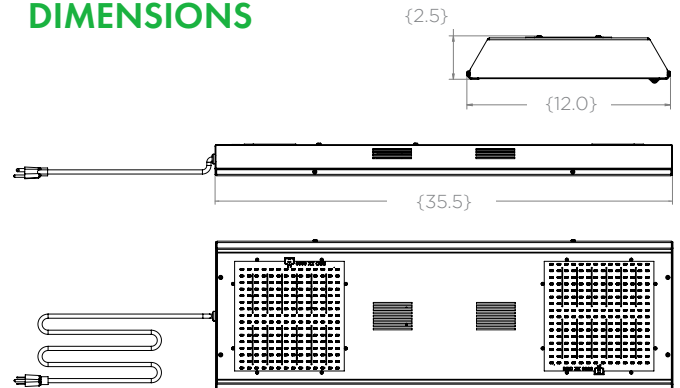
5 Year Standard Warranty



FEATURES

- » Industry leading performance
- » Standard 2x4 foot print
- » Power pass through optional
- » Natural white light
- » Patented 40-57 or 30-50 spectral
- » Dimmable from 5%-100%
- » UL1598D horticultural approval
- » Architectural white powder coated housing
- » Made in the USA patent #9820447

DIMENSIONS

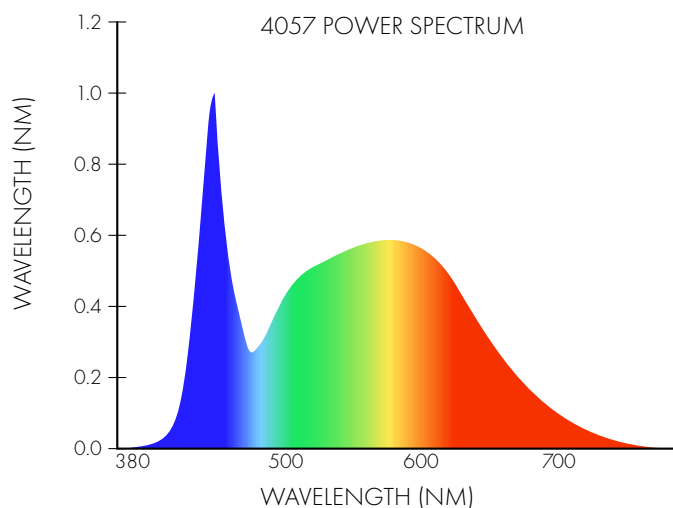
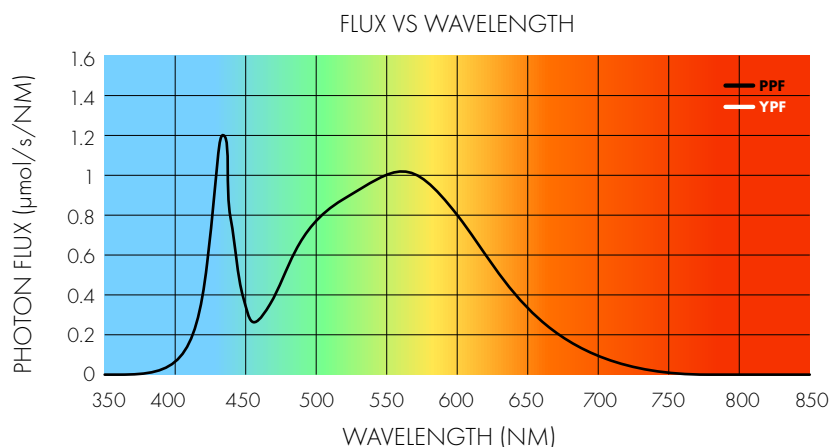


CLONE LIGHT



	WAVELENGTH RANGE (NM)	PHOTON FLUX ($\mu\text{mol}/\text{SEC}$)
ORANGE	590 - 600	22.836832
	600 - 610	22.394389
	610 - 620	21.129417
	620 - 630	19.124796
	630 - 640	16.653395
RED	640 - 650	13.941318
	650 - 660	11.315900
	660 - 670	8.934050
	670 - 680	6.909515
	680 - 690	5.263733
INFARED	690 - 700	3.959170
	700 - 710	2.955288
	710 - 720	2.198651
	720 - 730	1.634687
	730 - 740	1.208980
	740 - 750	0.894305
	750 - 760	0.666947
	760 - 770	0.501310
	770 - 780	0.378130
	780 - 790	0.289253
790 - 800	0.222187	

	WAVELENGTH RANGE (NM)	PHOTON FLUX ($\mu\text{mol}/\text{SEC}$)
UVA	350 - 360	0.120251
	360 - 370	0.119266
	370 - 380	0.117364
	380 - 390	0.111279
	390 - 400	0.118378
VIOLET	400 - 410	0.180335
	410 - 420	0.517872
	420 - 430	1.929884
	430 - 440	6.492046
	440 - 450	20.274443
BLUE	450 - 460	22.415668
	460 - 470	11.919320
	470 - 480	6.951445
	480 - 490	6.680682
	490 - 500	8.861849
CYAN	500 - 510	11.948894
	510 - 520	14.399692
	520 - 530	16.096399
GREEN	530 - 540	17.340881
	540 - 550	18.458886
	550 - 560	19.579392
	560 - 570	20.719443
YELLOW	570 - 580	21.788289
	580 - 590	22.559319



Family	Power	Spectrum	Input Voltage	Cord
ZC	100 = 100W (standard) 80 = 80W	V = 40/57 (standard) U = 30/50	ST = 90-305V (standard) HV = 180-528V	# = Cord Length (10' Standard, 15' option) #W = Whip (no plug) #N5 = 5-15P (standard) #N6 = 6-15P (standard) #L7 = L7-15P