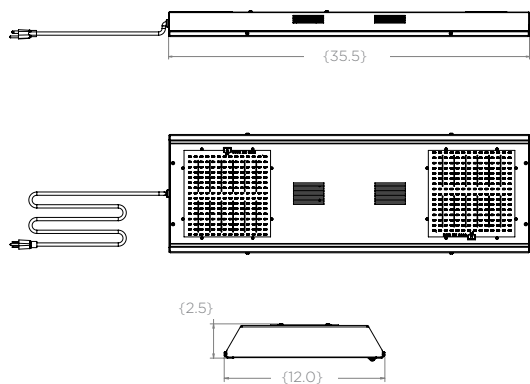


## SPECIFICATIONS

Light Source	LED
Efficacy (80 / 100W)	2.4 / 2.4 $\mu\text{mol/J}$
PPF (80 / 100W)	194 / 250 $\mu\text{mol/sec}$
Input Power	440W~660W MAX
L/H/W   Weight	33 / 2.5 / 36 / 22lbs
Mounting Height	>12 Inches Above Canopy
Operating Temperature	0F ~ 90F
Thermal Management	Passive Convection
Wireless Communication	Self Healing 2.4 GHz Wireless Mesh
Wireless Security	AES128 Encryption
Dimming	0-10V / DALI2
Lifetime per TM21 L70 / L90	80K hrs / 35K hrs
Warranty	5 Year Standard Warranty

## Dimensions



## Ordering Information

Model	Power	Spectrum	Voltage	Cord type	Plug	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
AG	100* = 100W 80 = 80W	VEG* = 40/57 BRD = 30/50 (no kicker)	UNV* = 120-277V HV = 347-480V	10* = 10ft 15 = 15ft # = Custom Length	N5 = 5-15P N6* = 6-15P L7 = L7-15P W = None	NWC = No Wireless Controller  *=Standard Option



## FEATURES

- » Industry Leading Performance
- » Standard 2x4 Foot Print
- » Power Pass Through Optional
- » Natural White Light
- » Patented 4000-5700 or 3000-5000 Spectrum
- » Wireless Mesh Enabled Tunable Spectra
- » Utility Grade Power Monitoring
- » Dimmable from 0%~100%
- » UL1598D Horticultural Approval
- » Architectural White Powder Coated Housing
- » Made in the USA Patent #9820447

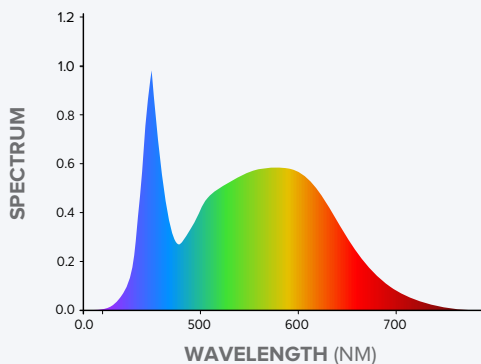
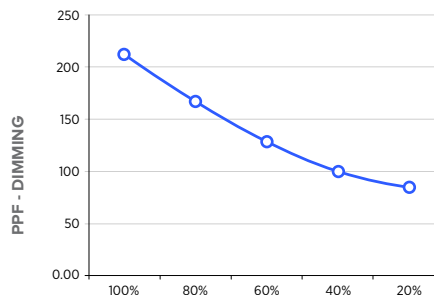
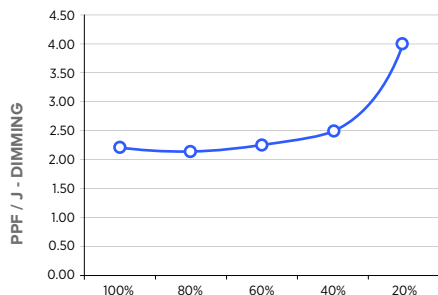
### NOMINAL ELECTRICAL AC INPUT\*

AC VOLTAGE	120V	208V	230V	277V	347V	400V	480V
AC Current	0.83A	0.48A	0.42A	0.36A	0.29A	0.25A	0.2A
AC Power	100 W	100 W	100 W	100 W	100 W	100 W	100 W
Power Factor	0.997	0.990	0.985	0.967	0.980	0.973	0.958

\* At 77°F (25°C) ambient temperature

## DIMMING CURVES

In a horticulture application, lumens do not adequately represent the light within the visible spectrum that is critical to the plant biological cycle. PPF ( $\mu\text{mol/s}$ ) measures the total amount of PAR that is emitted by the light while PPF per Joule ( $\mu\text{mol/J}$ ) measures how efficiently a light converts electrical energy into photons for your plant growth. AGxano LED lights give your plants the required photons while consuming less energy.



## MCCREE ACTION SPECTRUM

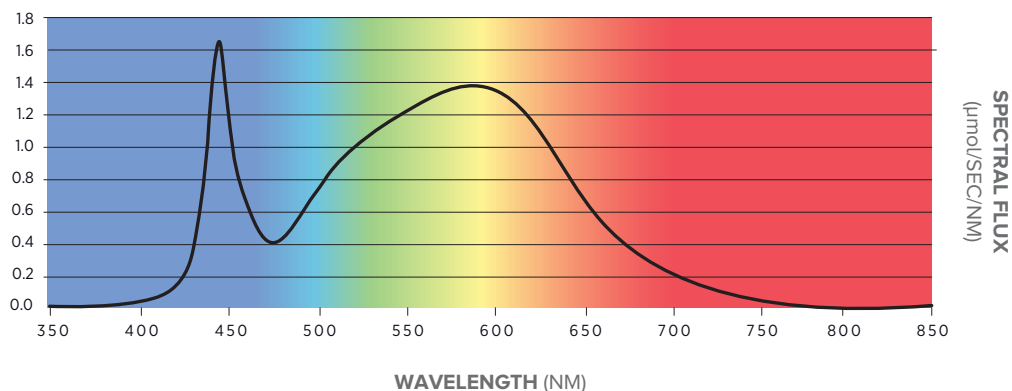
### Perfecting Photosynthesis

The Action Spectrum graphs the general photosynthesis response for different wavelengths of light. It highlights the importance of certain wavelengths for photosynthesis in relation to one another and not the specific needs of a plant. AGxano's spectral distribution is curated to match the wavelengths critical for your plants progression through the photosynthesis process.

## SPECTRUM DISTRIBUTION

### Light Catered for Yield

The wavelength of the light's spectral distribution is the driving force in a plant's photosynthesis process. The most important are blue and red wavelengths which are absorbed by chlorophyll that work to convert light to energy for the plant. AGxano's patented spectra are engineered to deliver the exact blend your plant needs for optimal health and yield. Our proven science based technology delivers a full spectrum and uniform light intensity across the entire canopy in all stages of growth.



	WAVELENGTH RANGE (NM)	PHOTON FLUX ( $\mu\text{mol/SEC}$ )
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	0.57872
	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
	530 - 540	17.340881
	540 - 550	18.458886
GREEN	550 - 560	19.579392
	560 - 570	20.719443
	570 - 580	21.788289
	580 - 590	22.559319
	590 - 600	22.836832
YELLOW	600 - 610	22.394389
	610 - 620	21.129417
	620 - 630	19.124796
	630 - 640	16.653395
	640 - 650	13.941318
ORANGE	650 - 660	11.315900
	660 - 670	8.934050
	670 - 680	6.909515
	680 - 690	5.263733
	690 - 700	3.959170
RED	700 - 710	2.955288
	710 - 720	2.198651
	720 - 730	1.634687
	730 - 740	1.208980
	740 - 750	0.894305
INFRARED	750 - 760	0.666947
	760 - 770	0.501310
	770 - 780	0.378130
	780 - 790	0.289253
	790 - 800	0.222187