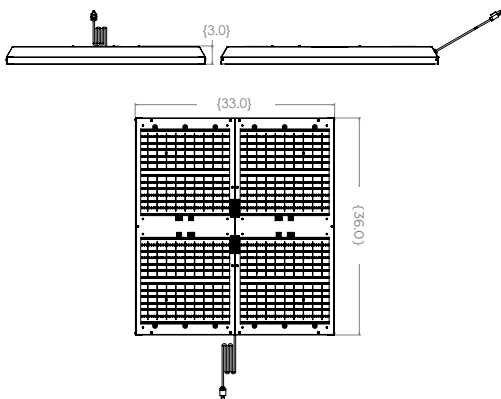


SPECIFICATIONS

Light Source	LED
Efficacy (440W / 660W)	2.4 / 1.8 $\mu\text{mol/J}$
PPF (440W / 660W)	1056 / 1200 $\mu\text{mol/sec}$
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
TE	660* = 660W 440 = 440W	BLM = 27/40 (no kicker) BLM/UV* = 27/40 w/ UV kicker BRD = 30/50 (no kicker) BRD/UV = 30/50 w/ UV kicker BRD/RD = 30/50 w/ Red 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
- » Industry Standard Footprint
- » Fully Customizable to Suit Individual Growing Styles
- » Natural White Light
- » Wireless Mesh Enabled With 2700-5000 Tunable Spectra
- » Utility Grade Power Monitoring
- » Red-Blue-UV Mix 385nm/660nm Kicker
- » White Powder Coated Aluminum Housing
- » UL1598D Horticultural Approval
- » Made in the USA. Patent #9820447

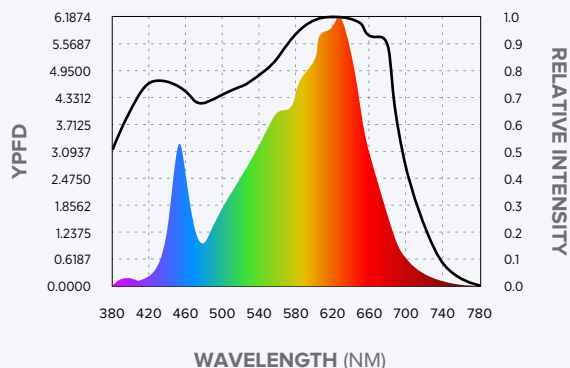
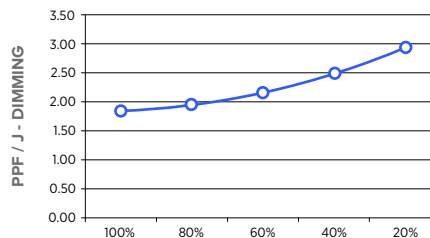
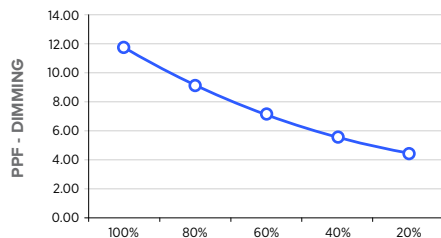
NOMINAL ELECTRICAL AC INPUT*

AC VOLTAGE	120V	208V	230V	277V	347V	400V	480V
AC Current	5.50 A	3.17 A	2.75 A	2.38 A	1.90 A	1.65 A	1.38 A
AC Power	660 W	660 W	660 W	660 W	660 W	660 W	660 W
Power Factor	0.997	0.991	0.990	0.980	0.995	0.989	0.974

* 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

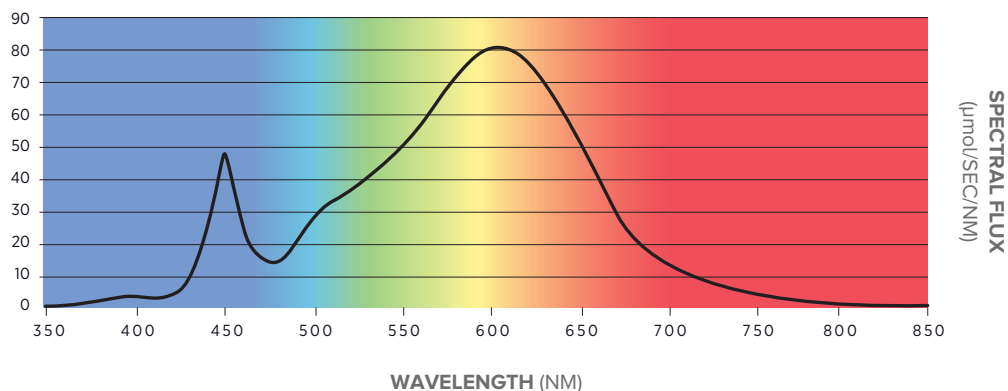
Perfecting Photosynthesis

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	0.309428
	360 - 370	0.349855
	370 - 380	0.855815
	380 - 390	2.767791
	390 - 400	2.073109
VIOLET	400 - 410	0.847787
	410 - 420	1.436211
	420 - 430	4.914774
	430 - 440	14.775535
	440 - 450	36.382552
BLUE	450 - 460	39.087795
	460 - 470	21.424443
	470 - 480	14.980032
	480 - 490	16.940827
	490 - 500	23.280355
CYAN	500 - 510	29.828746
	510 - 520	34.377020
	520 - 530	37.940789
	530 - 540	41.832437
	540 - 550	46.578273
GREEN	550 - 560	52.221848
	560 - 570	58.8303638
	570 - 580	66.308024
	580 - 590	73.497176
	590 - 600	78.975000
YELLOW	600 - 610	81.174454
	610 - 620	79.316997
	620 - 630	73.759685
	630 - 640	65.522698
	640 - 650	55.820996
ORANGE	650 - 660	45.9542216
	660 - 670	36.687032
	670 - 680	28.638667
	680 - 690	21.974312
	690 - 700	16.599117
RED	700 - 710	12.444757
	710 - 720	9.283270
	720 - 730	6.910731
	730 - 740	5.198883
	740 - 750	3.792827
INFRARED	750 - 760	2.826129
	760 - 770	2.133884
	770 - 780	1.582914
	780 - 790	1.191579
	790 - 800	0.904732