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LED GROW LIGHT



LED GROW LIGHT

ADVANTAGES :

- Environmental friendly, low heat, no infrared ray or ultraviolet radiation.
- Low power consumption, energy-saving.
- Decorative, high quality and long service life, can light up to 50000 hours.
- Ideal for most kinds of plants in many fields, such as hydroponics, greenhouse lighting, Marijuana cultivation, plants growing, flowering, fruiting.
- Add light to plants, stimulate their photosynthesis, help plants absorb nutrients, especially some trace elements, shorten the growth cycle, prevent the rampant growth of plants.

EFFECT COMPARISON :



PRECISE LIGHT DISTRIBUTION :

Accurate light formula and photoperiod regulation technology can increase crop yield, make leafy vegetables have better selling quality, rich nutrient accumulation, better taste, shorten crop growth cycle and harvest in advance.

Provide the spectrum and light intensity required for fruits and vegetables without additional heat. Carefully adjusted light formula can stabilize and improve plant quality and increase yield, even in winter. High energy efficiency lamps will effectively reduce the load and operation cost of the electrical system.



LED GROW LIGHT :





NO radiation



NO flash



Energy saving



Reliable quality







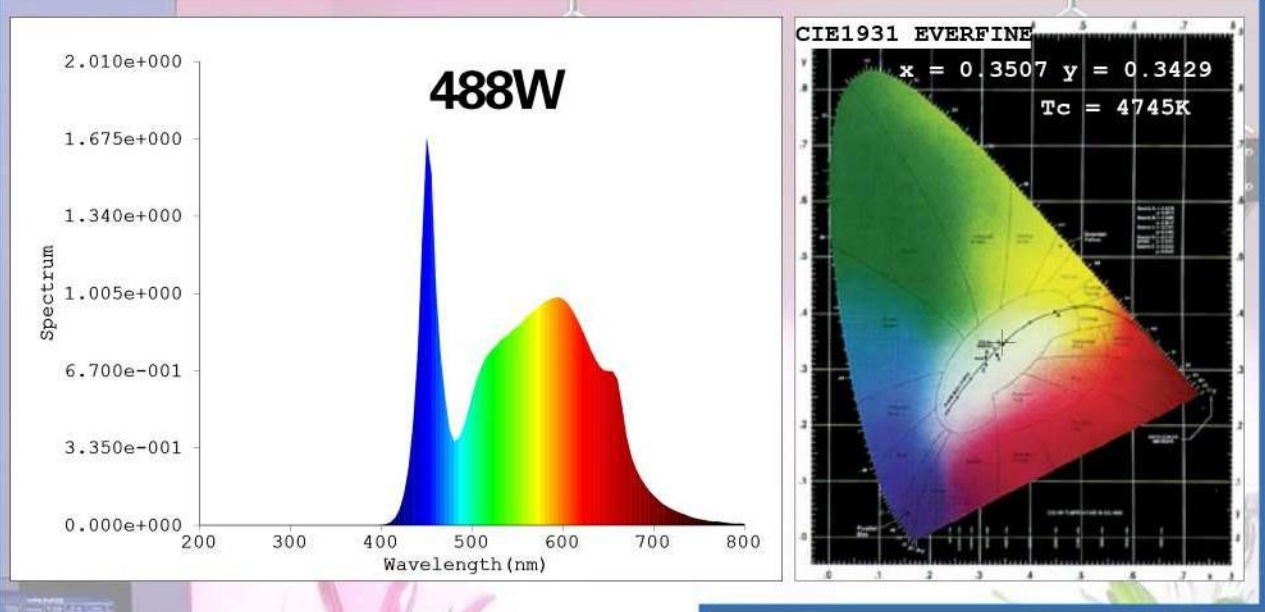
LED GROW LIGHT :

TECHNICAL PARAMETERS

	TL240W	TL480W	TP240W	TP480W	TP720W	TP960W	TP1200W
Wattage:	240W(TL)	480W(TL)	240W(TP)	480W(TP)	720W(TP)	960W(TP)	1200W(TP)
Actual Power:	240W±5%	480W±5%	240W±5%	480W±5%	720W±5%	960W±5%	1200W±5%
LED Quantity:	336PCS	672PCS	336PCS	672PCS	1008PCS	1344PCS	1680PCS
LED Chip:	3030-301D+302H						
LED Diver:	INVENTRONICS						
Spectrum:	Full spectrum+650-670nm						
Color temperature:	5000K+RED						
PPF Efficiency:	2.3 μmol/s						
PPF μmol/s :	PPF(400-500)(μmol/s): 213.2 PPF(500-600)(μmol/s): 411.2 PPF(600-700)(μmol/s): 329						
PF:	0.95						
Input Voltage:	AC 100-277V						
Working Temperature:	-30°C~40°C						
Working Frequency:	50-60Hz						
Lifespan:	50000hours						
Dimension: 240W(TL)	1250.2X106X112.6mm	Dimension: 480W(TL)	1250.2X185.4X112.6mm	Dimension: 240W(TP)	380.6X347.2X112.6mm		
Dimension: 480W(TP)	380.6X690X112.6mm	Dimension: 720W(TP)	550.6X690X112.6mm	Dimension: 960W(TP)	720.6X690X112.6mm		
Dimension: 1200W(TP)	890.6X690X112.6mm						



OPTICS TEST :



Plant Parameters:

Flux(lm): 61291 Qv(lm.s): 61291
Spectral radiance(W/nm): 202.2 Qe(J): 202.2
Flux(W): 198.5 PPE: 1.879
Erb_Ratio: 1.115 Flux_b(W): 202.2
Flux_UV(W): 0.006817 Flux_fr(W): 4.272
PPF.t(umol): 917.2 Kp(umol/s/W): 1.879
Flux(400-700)(W): 198.5
PPF(umol/s): 917.2
PPF(400-500)(umol/s): 213.2
PPF(500-600)(umol/s): 411.2
PPF(600-700)(umol/s): 329

Plant Parameters:

Flux(lm): 91919 Qv(lm.s): 91919
Spectral radiance(W/nm): 304.4 Qe(J): 304.4
Flux(W): 298.8 PPE: 1.895
Erb_Ratio: 1.110 Flux_b(W): 304.4
Flux_UV(W): 0.01101 Flux_fr(W): 6.544
PPF.t(umol): 1380 Kp(umol/s/W): 1.895
Flux(400-700)(W): 298.8
PPF(umol/s): 1380
PPF(400-500)(umol/s): 322.7
PPF(500-600)(umol/s): 616.2
PPF(600-700)(umol/s): 495.6

