

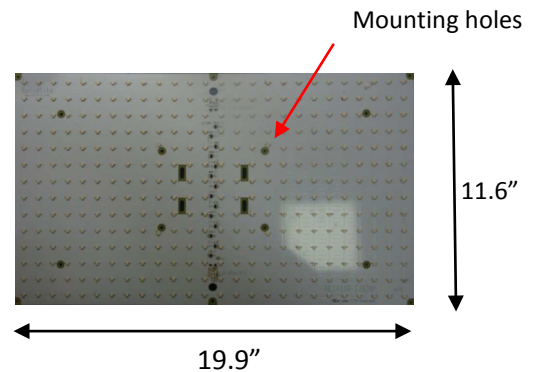
Introduction:

Lumimax LED Grow Light Panel is designed to promote plant growth yield, improve quality and reduce growing cycle. Our LED Grow Light Panel is specially designed with Wide-band Spectrum rich in 450nm/530nm/640nm wavelength, which are the key wavelength for optimal growth at all stages. It generates very low heat and does not require extra cooling system. Our LED Grow Lights are environmental friendly; contain no toxic metals as found in High Pressure Sodium and Metal Halide grow lamps. It is a perfect replacement for High Intensity Discharge (HID) Grow Light. We offer 1 panel and 1x3 panel hanging Grow Light as starting unit. However our Grow Light Panel can be easily configured to different grid sizes for home growing garden to large growing factory.

Features:

- Energy Saving
- Low Heat, Won't burn plant, No extra cooling is needed
- Wide-Band, rich in 450nm/530nm/640nm wavelength
- Custom Spectrum optimized for all growing stages
- Low Profile, good for multilayer setup
- Long Lifetime, >50,000 hours
- Emit only Photosynthetically Active Radiation (PAR) light.
- High Power driver efficiency >80%
- High PPF output, 100 $\mu\text{E}/\text{m}^2/\text{s}$ @20cm (7.87")

Single Panel Dimension:



Application:

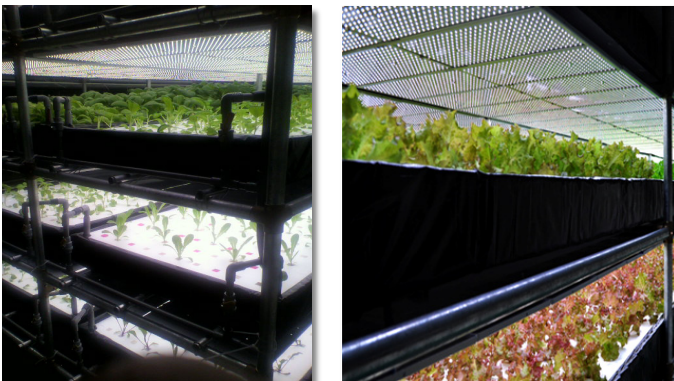
Hydroponics Growing Factory



Home Growing Garden



Increase Growing Capacity with Multi-layer Setup



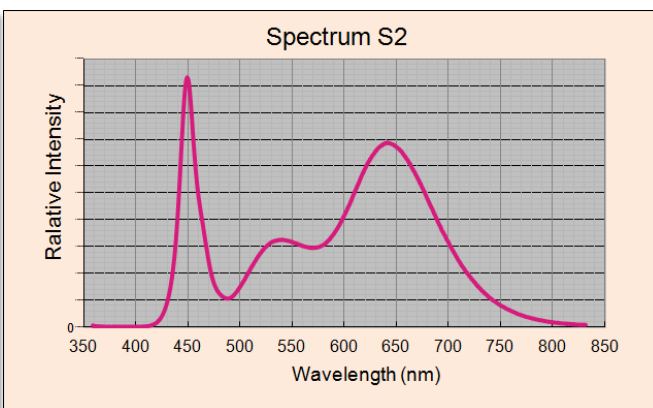
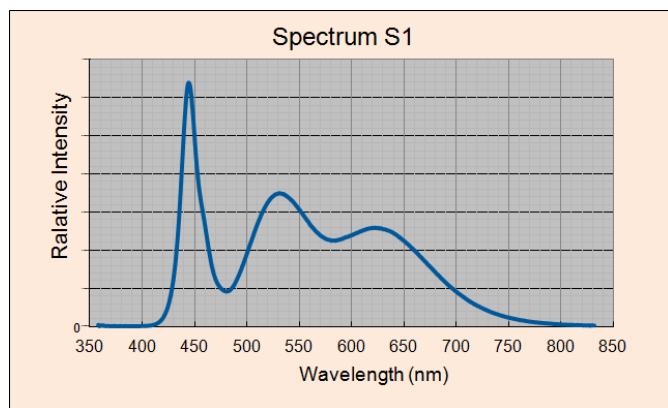
Small Project Growing Unit



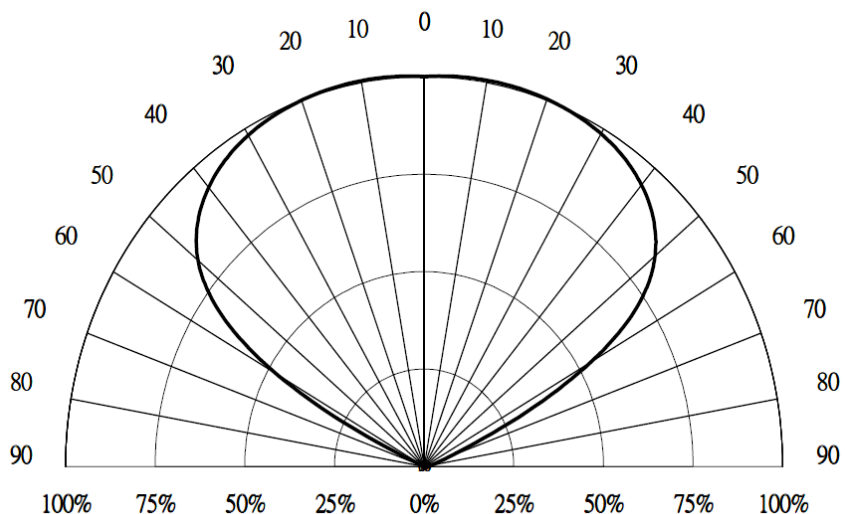
Specification:

Model Number	LGL42TGSTXN1	LGL126TGSTXN3
Power Consumption	42W	126W
Beam Angle	120°	
LED	Wide-Band - SMD 3528 (14 row x 26 column = 364pc/panel)	
Socket/Connection	Wire Terminal	
Number of Panel	1 Panel	3 Panel
Luminous Flux (est.)	1,200 lm	3,600 lm
Recommended Height above Plant	8 ~ 16 inches	
Light Panel Dimension (inch)	19.9" (L) x 11.6" (W)	
Housing	Light Weight Hanging Frame	
Hanging Frame Dimension (inch)	21.5"(L) x 12.5"(W) x 1"(H)	38"(L) x 21.5"(W) x 1"(H)
Operation Temperature	-20°C ~ +40°C	
Lifetime	50,000 hours	
Wavelength	450nm, 530nm, 640nm	
Light Spectrum	Spectrum S1 (Green Plant) or S2 (All stages)	
Input Voltage	100~240VAC, 1.3A, 50/60Hz	100 ~ 240VAC, 2A, 50/60Hz
Driver / Transformer (External)	Output 48VDC, 1.1A.	Output 48VDC, 3.2A.
Driver Listing	UL, CE	UL, CE
Net Weight	2.5 lb	7 lb
Option (-SH)	With Counter Top Shelf	With 6' high shelf

Standard Spectra:



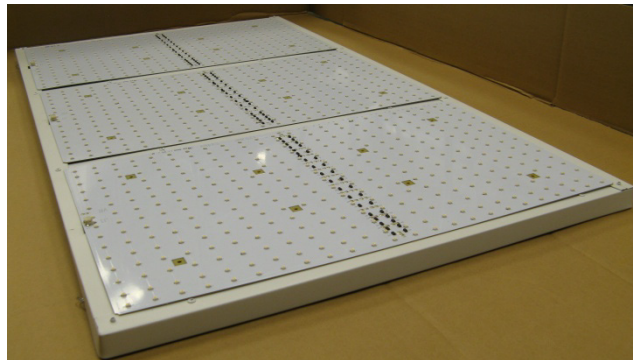
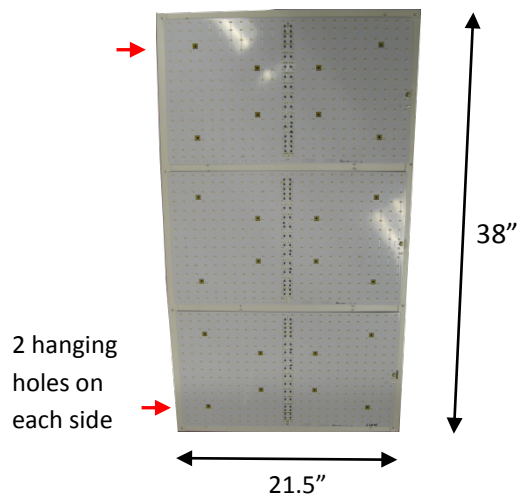
Luminous Intensity Distribution:



Photosynthetic Photon Flux Density per Panel:

Distance from Panel	Spectrum S1 Center PPFD	Spectrum S2 Center PPFD
20 cm	109 $\mu\text{mol}/\text{m}^2/\text{s}$	135 $\mu\text{mol}/\text{m}^2/\text{s}$
25 cm	100 $\mu\text{mol}/\text{m}^2/\text{s}$	121 $\mu\text{mol}/\text{m}^2/\text{s}$
30 cm	91 $\mu\text{mol}/\text{m}^2/\text{s}$	107 $\mu\text{mol}/\text{m}^2/\text{s}$

3 Panel Standard Model (P/N: **LGL126TGSTXN3**)



3 Panel Model with option* 6 feet high shelf (P/N: LGL126TGSTXN3)



* Add option chrome plated steel shelf to build a complete growing unit for home or small growing project. (Shelf size: 24"(D)x36"(W)x72"(H) or 18"(D)x48"(W)x72"(H))

Single Panel with option** 24 inches high Counter Top Shelf (P/N: LGL42TGSTXN1-SH)

