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## LED grow light quantum panel

Grow light panel quantum customized full spectrum Samsung lm301b 120 degree plant grow lights.

## LED Grow Light Panel Detail

IP 65, sealed waterproof housing

High efficiency more than 2.7 $\mu$ mol/J

Cold-forged heat sink with good heat dissip

Good replacement of traditional grow light



## Product Presentation:

High Efficacy: 2.7  $\mu$ mol/J Samsung Lm301b diodes quantum board and ELG Meanwell driver.

Full Spectrum: Blue, White, Red and IR (660–665nm and IR 750nm), The IR 750nm led chips is added compared with the traditional quantum board. Perfect performance for veg and bloom. You don't need to buy more lights for different spectrum.

Passive cooled design: 4mm thickness heatsink, Make product life up to 54000 hours.

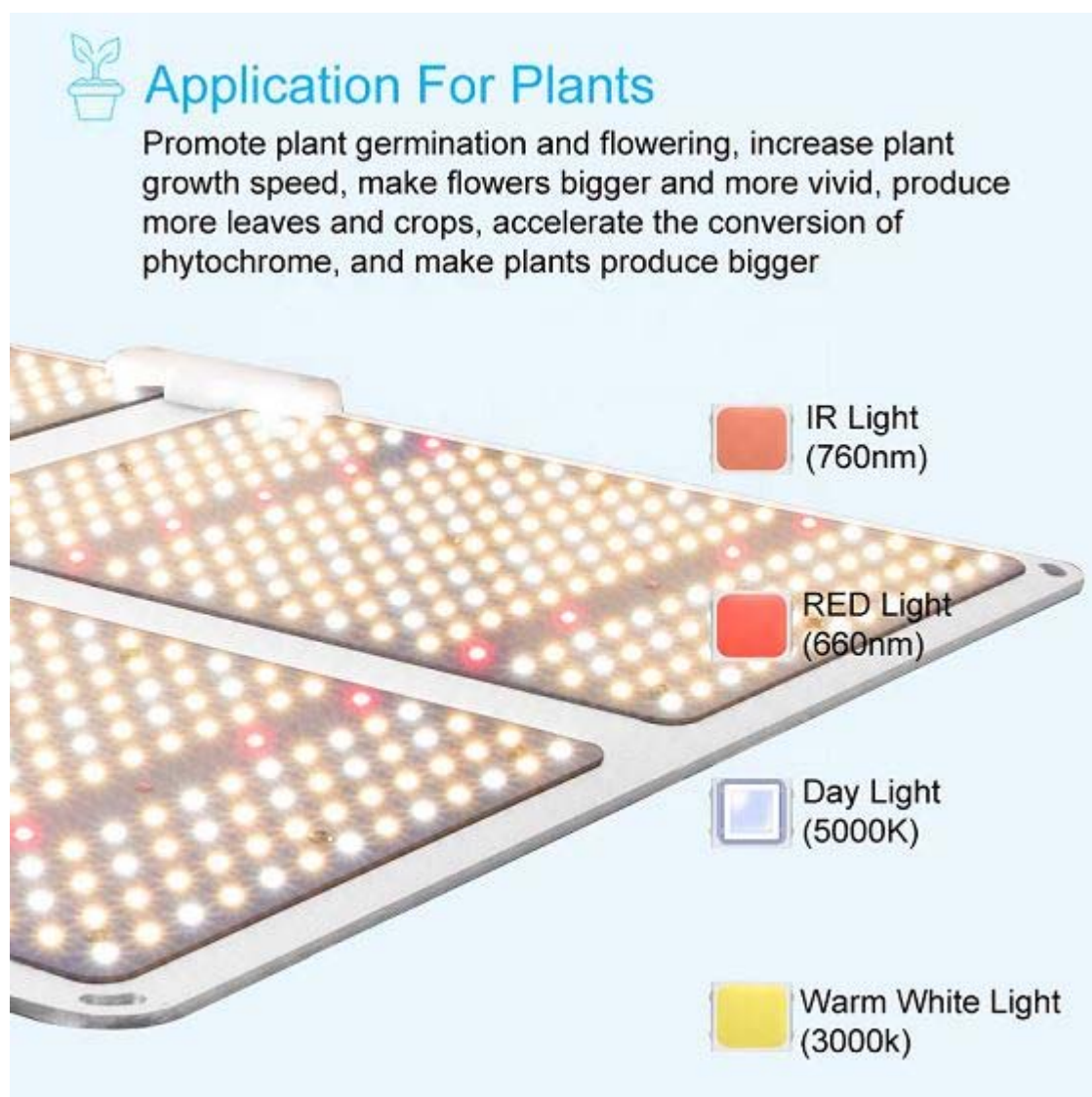
Plug and play: No assembly required. The luminaire is integrated, Right out of the box your LED grow light is ready to use.

Adjustable installation height: The installation height of the grow light can be adjusted according to the actual situation through the attached lifting rope!

Guarantee: 3 years warranty !

Reliability: Use electric shock proof cover on every connections. IP65 level waterproof and dustproof, make the lamp life longer and use process more secure!

Dimmable power: 0-10V dimmable !



For quantum panel led grow light, we have different size and power for customer's choice. There have 110W, 220W, 450W and 600W power. Detailed information please check below:

TL1000-110W

1×3800k 660nm+750nm bard1×Meanwell Driver

1×Heatsink

1×Plug with power cord

4×Hooks

TL2000-220W

2×3800k 660nm+750nm bard1×Meanwell Driver

1×Heatsink

1×Plug with power cord

4×Hooks

TL4000-450W

4×3800k 660nm+750nm bard1×Meanwell Driver

1×Heatsink

1×Plug with power cord2×Hanging rope

4×Hooks

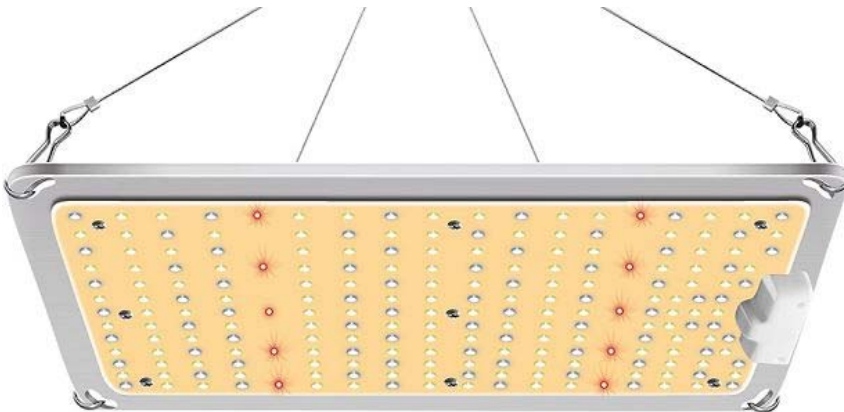
TL6000-600W

6×3800k 660nm+750nm bard1×Meanwell Driver

1×Heatsink

1×Plug with power cord2×Hanging rope

4×Hooks



Daisy-Chain



Dimmable Knob



Switch ON/OFF

Item	TL1000-110W	TL2000-220W	TL4000-450W	TL6000-600W
Wattage	110W	220W	450W	600W
Light Color	Samsung Lm301 b 3800k+660nm +750nm	Samsung Lm301 b 3800k+660nm +750nm	Samsung Lm301 b 3800k+660nm +750nm	Samsung Lm301 b 3800k+660nm +750nm
Driver	Meanwell ELG	Meanwell ELG	Meanwell ELG	Meanwell ELG
Diodes Qty	228pcs	436pcs	952pcs	1308pcs
PPFD(30cm)	895 $\mu\text{mol}/(\text{m}^2 \cdot \text{s})$	1033 $\mu\text{mol}/(\text{m}^2 \cdot \text{s})$	2287 $\mu\text{mol}/(\text{m}^2 \cdot \text{s})$	2930 $\mu\text{mol}/(\text{m}^2 \cdot \text{s})$
Input Voltage	110-277V	110-277V	110-277V	110-277V
Dimension	12.6'' $\times$ 9.4'' $\times$ 2.4'' (320 $\times$ 240 $\times$ 60mm)	25.2'' $\times$ 9.44'' $\times$ 2.36'' (64 $\times$ 240 $\times$ 68mm)	25.2'' $\times$ 18.9'' $\times$ 2.36'' (64 $\times$ 480 $\times$ 60mm)	23.6'' $\times$ 18.9'' $\times$ 2.2'' (720 $\times$ 600 $\times$ 55mm)
Waterproof	IP65	IP65	IP65	IP65
Warranty	3 Years	3 Years	3 Years	3 Years



Different plants require different color ratio and full spectrum grow light. Before asking the quotation, it is important to tell us what plants will need the led grow light.

For quantum panel led grow light, we have different size and power, to meet customer's all requirements. Normally there have standard spectrum, customized service on spectrum also OK.



## PLANTS GROWING PROCESS



Early period of plants



12 days Grow



The 30 Days



Flowering Period



Fruits



Fruits is Rip



Harvest Fruits



A: Firstly, Our products are produced in strict quality control system and the defective rate will be less than 0.2%.

Secondly, during the guarantee period, we will send new lights with new order for small quantity. For defective batch products, we will repair them and resend them to you or we can discuss the solution including re-call according to real situation.

If order quantity is big, we will arrange production as soon as possible according to customer needs. Providing quality service to customers is the basic premise of our Sales. Normally finish samples within one week, mass production lead time is within 15 days.