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## Grow light led indoor plants

Hot sale full spectrum led grow lights grow led light vertical farming indoor plants

### Product Description

Full spectrum grow lights: Custom led grow light

Professional spectrum ratio, high efficiency

High lamp luminous flux and high efficiency

Provides more light for plants and facilitates photosynthesis in plants



### Product Presentation:

High Efficacy: 2.7  $\mu\text{mol}/\text{J}$  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

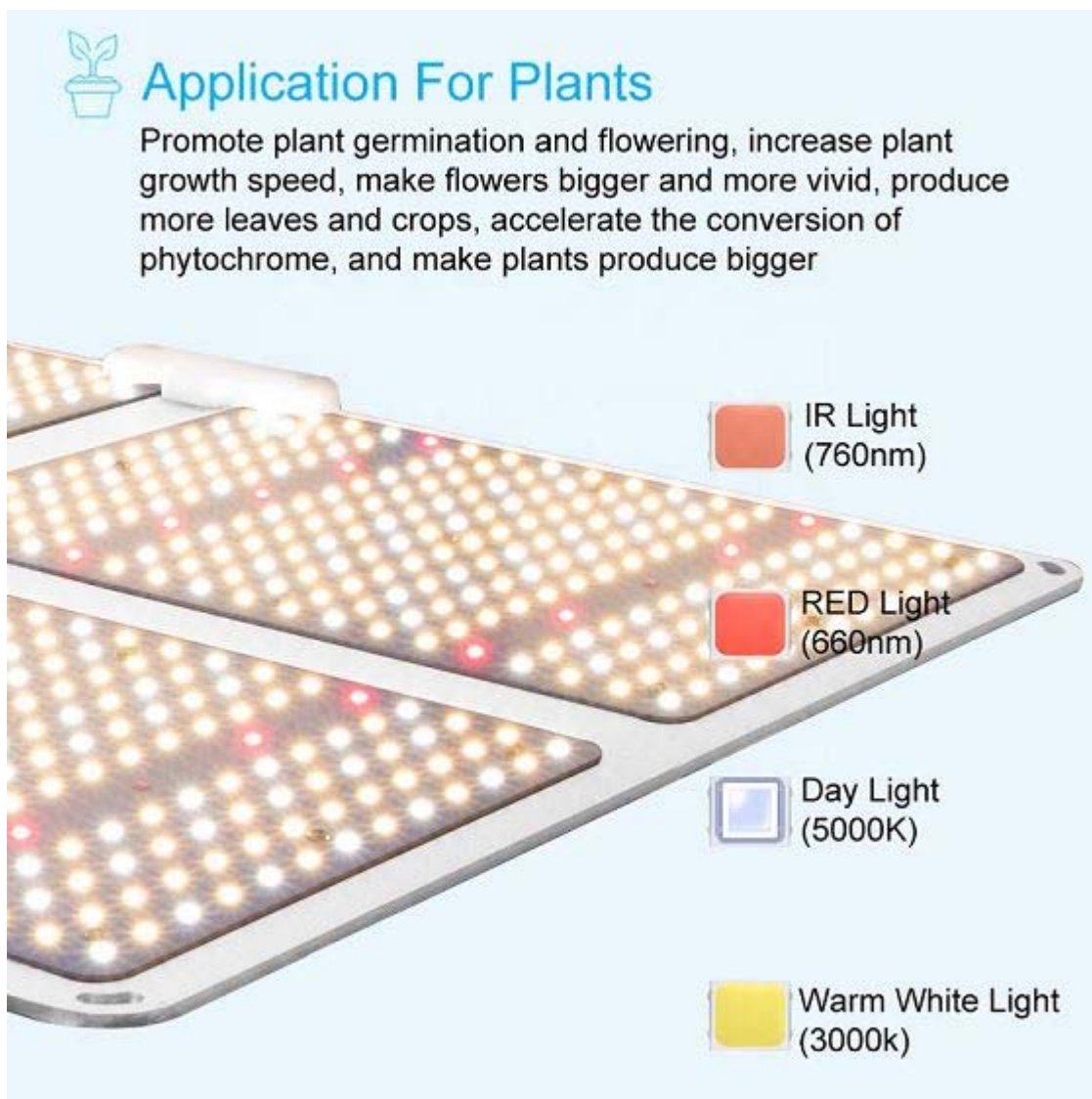
through the attached lifting rope!

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 !



### The effect of different light beams on plant growth

#### Red light:

The import photons on plant growth

Red light can speed up the rate of photosynthesis, especially in the flowering stage.

Red light impacts folwering in two ways. First, because red light is important for photosynthesis, is by extension, also important for flowering, grower also will add far red light when in flowering, far red is the catalyst for red light. Second, red light affect flower number or size in and species.

#### Far-red:

The forgotten Photons on plant growth

Emerson enhancement effect

Far-red photons by themselves do nothing. But synergism occurs when combined with other wavelength. Like red light, this call Emerson enhancement effect.

### **Speeding up the flowering time**

For red light can let plants fast to sleep, grower can use far red at the end of the way to make plants think the night have started and they actually get into the night mode faster and this can speed up flowering time shortening.

### **Does UV light to your grow improve potency?**

UVC is very high – energy photons electromagnetic energy and can damage cells. So we don't use UVC in grow light.

UVC and UVA (290–400nm) are present in sunlight, if add in grow light, will make the real full spectrum light, that you can improve the concentration in particular of THC and get high yield.

There is a threshold where the damage to yield caused by high level UVB will exceed and benefits in potency, so you don't need much UV light in your grow light.

## **TOP FEATURES**

Free assembly, plug to use

High efficiency white light Boards

White Light Full for better results

Reliable passive cooled design, 15mm thickness heatsink

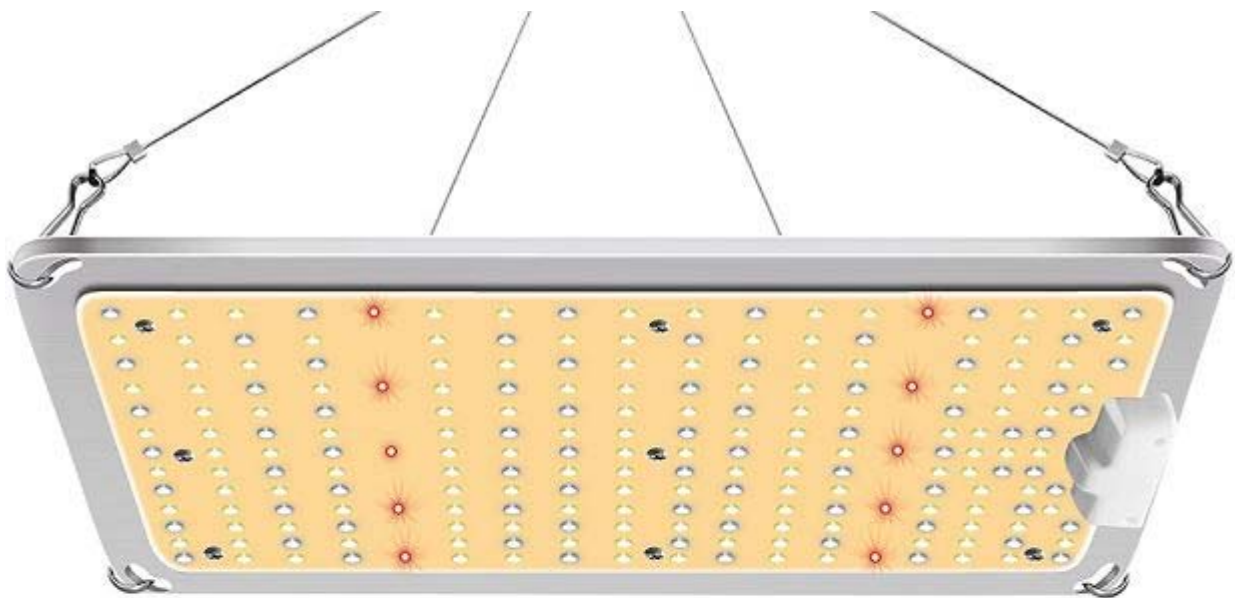
Better canopy light penetration with diffused light

Perfect performance for veg and bloom

Dimmable Power Supply included

1 Year Warranty for board

5 years Warranty for Meanwell driver



Daisy-Chain



Dimmable Knob



Switch ON/OFF

Item	TL1000-110W	TL2000-220W	TL4000-450W	TL6000-600W
Wattage	110W	220W	450W	600W
Light Color	Samsung Lm301b 3800k+660nm+750nm	Samsung Lm301b 3800k+660nm+750nm	Samsung Lm301b 3800k+660nm+750nm	Samsung Lm301b 3800k+660nm+750nm
Driver	Meanwell ELG	Meanwell ELG	Meanwell ELG	Meanwell ELG
Diodes Qty	228pcs	436pcs	952pcs	1308pcs
PPFD(30 cm)	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'' × 9.4'' × 2.4'' (320 × 240 × 60mm)	25.2'' × 9.44'' × 2.36'' (640 × 240 × 68mm)	25.2'' × 18.9'' × 2.36'' (640 × 480 × 60mm)	23.6'' × 18.9'' × 2.2'' (720 × 600 × 55mm)
Waterproof	IP65	IP65	IP65	IP65
Warranty	3 Years	3 Years	3 Years	3 Years

**Product Parameters**

Net Weight: 3.8lbs

- SAMSUNG LM301B
- Mean Well Driver
- 110W Actual Power
- 100-277V AC Input Voltage
- >50,000Hrs Lifespan
- NO Fan, Zero Noise

**Product Parameters**

Net Weight: 7.1lbs

- SAMSUNG LM301B
- Mean Well Driver
- 220W Actual Power
- 100-277V AC Input Voltage
- >50,000Hrs Lifespan
- NO Fan, Zero Noise

**Product Parameters**

Net Weight: 13.7lbs

- SAMSUNG LM301B
- Mean Well Driver
- 450W Actual Power
- 100-277V AC Input Voltage
- >50,000Hrs Lifespan
- NO Fan, Zero Noise

**Product Parameters**

Net Weight: 13.7lbs

- SAMSUNG LM301B
- Mean Well Driver
- 450W Actual Power
- 100-277V AC Input Voltage
- >50,000Hrs Lifespan
- NO Fan, Zero Noise

Promote plant germination and flowering, increase plant growth speed, make flowers bigger and more vivid, produce more leaves and crops, accelerate the conversion of phytochrome, and make plants produce bigger.



