

Product Specifications

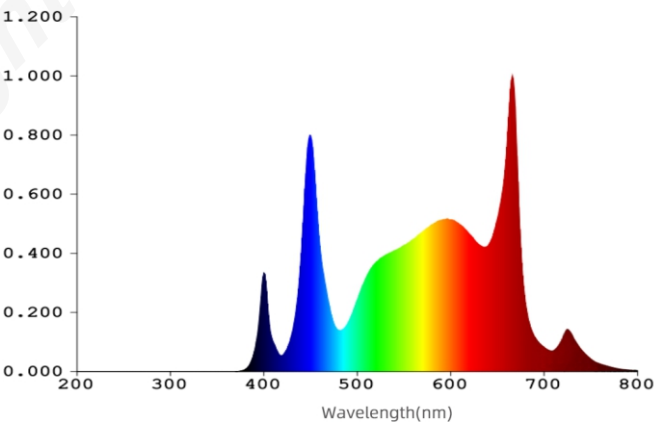
Plant lighting preferred service provider; Make it easy to grow plants in the world

Plug-in quick-connect series

The LED grow lights produced by our company are made of customized full-spectrum LED plant photosensitive lamp beads. The visible light in the full-spectrum plant grow light spectrum is reasonably proportioned from 400-780NM, and the light wave curve simulates the shape of the solar spectrum. At the same time, the energy of the blue light band and red light band required for plant growth is more prominent and sufficient.



Spectrum diagram and the effect of spectrum on plant lights



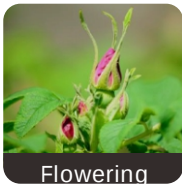
Seeding



Germination



Growth



Flowering



Growing

Purple

Blue

Green

Red

IR

* Purple light affects the morphological construction of plants, inhibits plant growth, stimulates the chromatin of plants, promotes the coloring of plant petals or leaves, and improves quality

* Blue light has a great effect on the early growth of plants, helps plants establish a developed root system, inhibits the growth of the main stem and leaves of plants, and increases the thickness of the main stem

* Green light can improve the synthesis efficiency of various trace elements. In a strong light environment, combined with other light qualities, green light can play a greater role. Green light can neutralize the red and blue spectrum and reduce visual "light pollution"

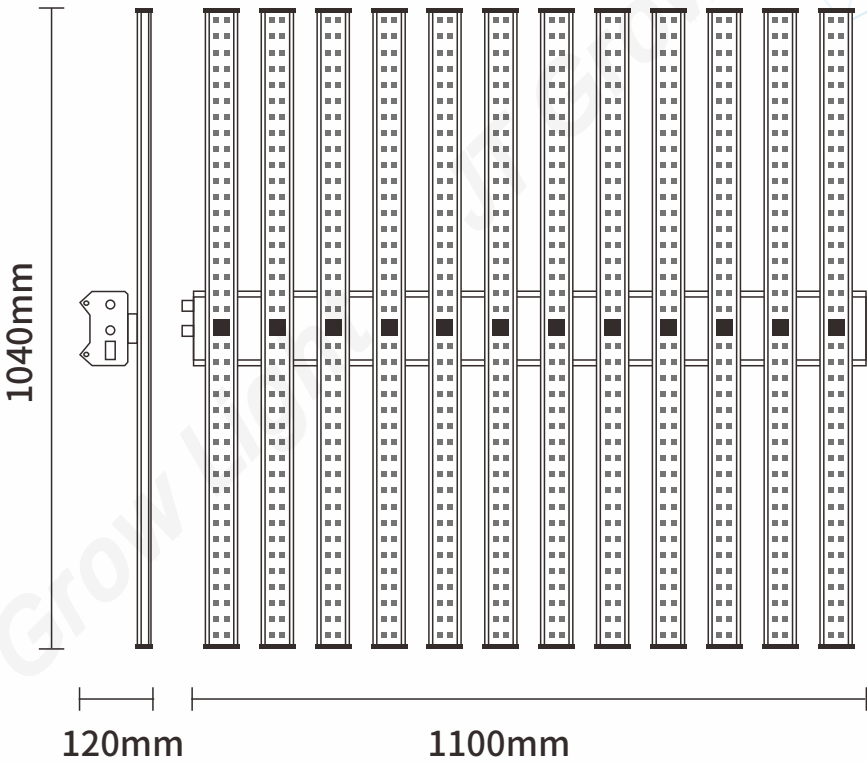
* Red light has a great impact on the photosynthesis efficiency of plants, controls the light cycle to affect flowering and fruiting, and promotes the synthesis of organic matter

* Infrared can produce a shading effect on plants, promote the transformation of photosensitive pigments Pfr to Pr, control the flowering cycle, and combine with 660nm to enhance the overall photosynthetic efficiency

Product Specifications

Plant lighting preferred service provider; Make it easy to grow plants in the world

Product size



Specifications

Power cord type	US /AU/EU/GB
Input voltage: V	100-277VAC
Rated voltage: V	120/220VAC
Use light source	SMD2835/3030
Light angle: degree	120±5
Rated power: W	1060±5%
Number of lamp beads	3380
PPFD	400-2600 (μmol/m2·s)
PPE efficiency	2.8 μmol/s/W
Power factor	≥0.9
Light effect	143 lm/W ±5%
Luminous flux	152000lm
Working temperature: °C	-10~+45
Storage temperature: °C	-20~+50
Net weight/carton: kg	14.6kg
Feature	Plug-in design, network control
Application scenario	Large-scale industrial planting, home planting tent

Product Specifications

Plant lighting preferred service provider; Make it easy to grow plants in the world

Optical Parameter Test Data

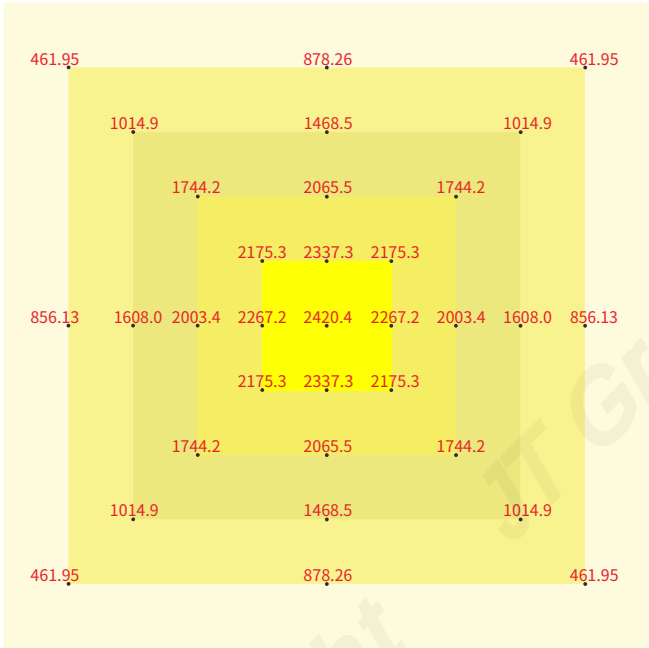
Test environment: 150×150×200cm planting tent

■ PPFD ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)

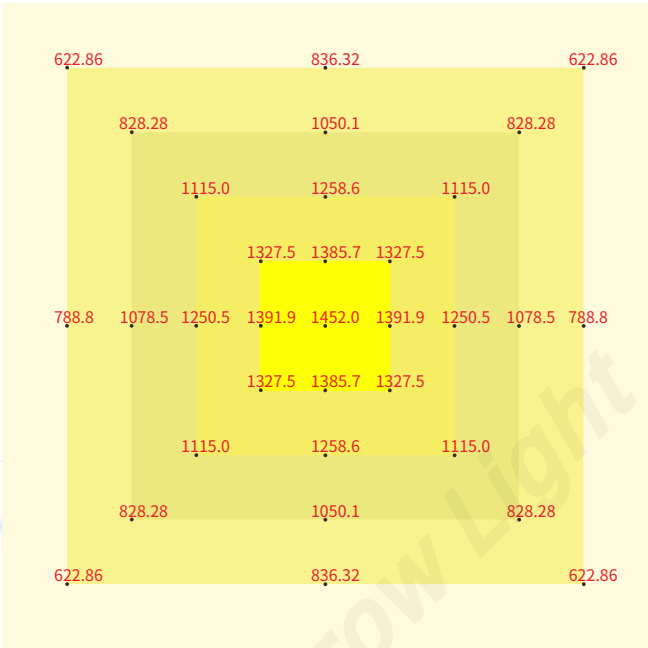
15cm



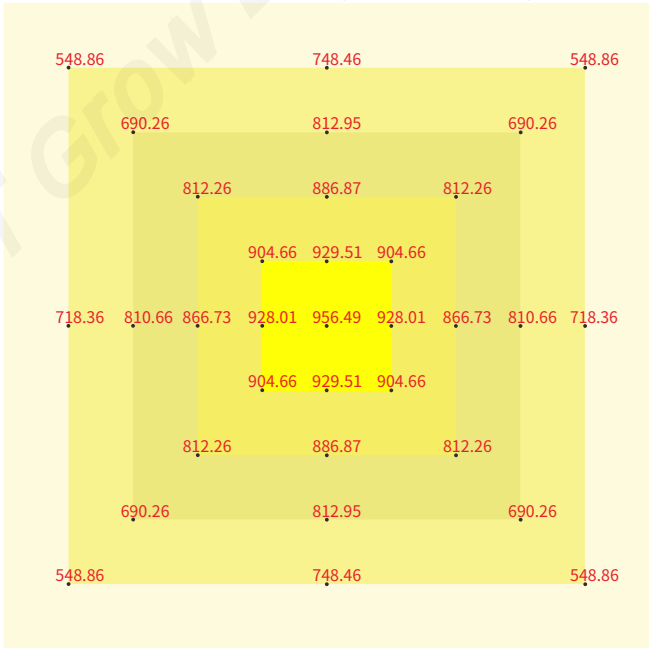
The measurement height is 30CM from the lamp body, and the distance between the measurement points on the same plane is 15CM



The measurement height is 60CM from the lamp body, and the distance between the measurement points on the same plane is 15CM



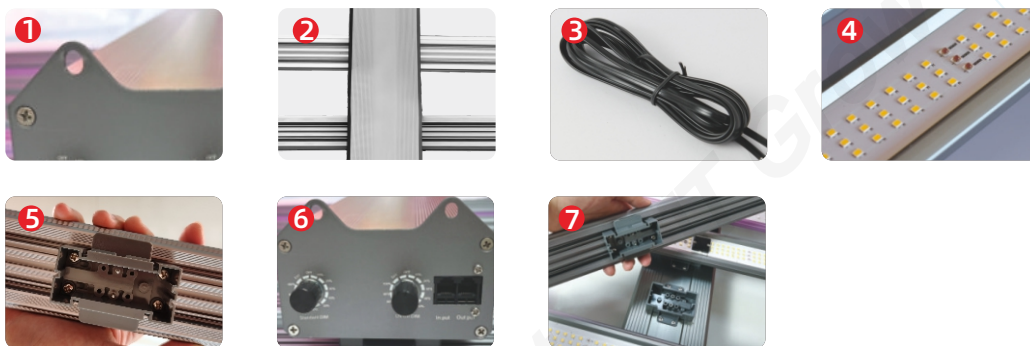
The measurement height is 100CM from the lamp body, and the distance between the measurement points on the same plane is 15CM



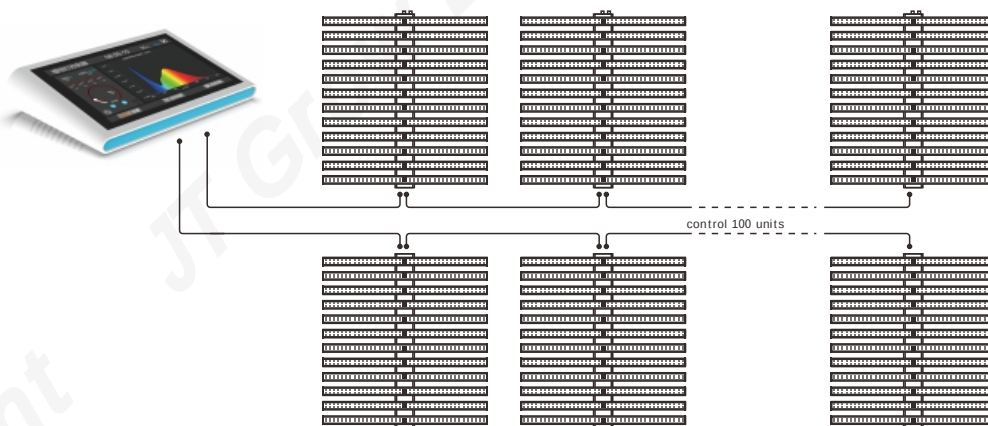
Product Specifications

Plant lighting preferred service provider; Make it easy to grow plants in the world

Product installation and structure instructions



- Structural instructions: 1 Hanging chain hole. 2 Power module. 3 European/American/Australian/Chinese standard power cord. 4 Lighting module. 5 Plug-in light bar. 6 Dimming knob and RJ interface. 7 Plug-in connection.
- Warning: Disconnect the power supply before installation to prevent electric shock
- Special note: Only qualified electricians or electrical engineers can install this product.



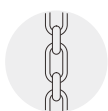
Packaging specifications and accessories



Plant Light*1



Instruction*1



Chain*2



Lifting rope*2



Network cable*1



Hook up*2



Wire Rope*2

Products are packed in neutral cartons..