



600W LED GROW LIGHT

Contents

01

Introduction

02

Overview

03

Specifications

04

Details

05

Applications



Long life circle



High efficacy



IP65 waterproof



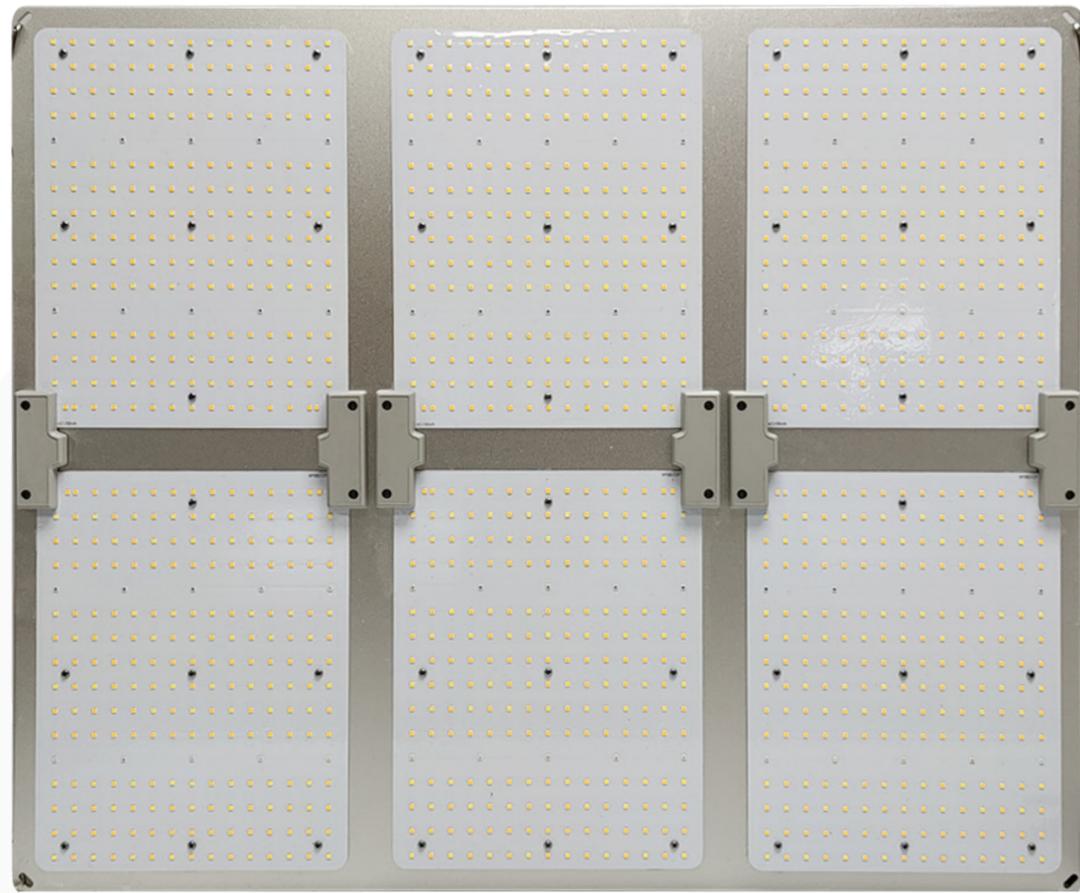
Environment friendly
& Energy saving



Introduction

This series quantum board with wide watts range 100w 220w 450w 650w, high output up to 2.7 $\mu\text{mol} / \text{J}$, Panel design make the light more uniformity which help growers absorb better, usually suits for hydroponics, Horticulture, Medical plants, vegetables, seeds, flowers, fruits, best lights to increase the production output.

Overview



Technical Parameters

PPFD	@18" : 968umol/m ² /s @24" : 556umol/m ² /s
PPE	2.5umol/s
PPF	1500umol/J
Power Supply	ELG-200*3
Beam Angle	110°

Design Features

Power supply :

Adopting Meanwell power supply, voltage input range is AC90-305VAC 50/60Hz, with waterproof IP68 grade, full range of certification, suitable for planting requirements in different countries;

Product Usage :

Simulates the principle that plants need sunlight for photosynthesis, supplements light or completely replaces sunlight. This series of products are mainly used for cannabis cultivation. After the actual use of users is certified, this series of products can effectively promote its growth, prolong flowering, and increase Yield, it is easy to install, can be ceiling-mounted and hoisted, and can be cascaded, suitable for large-area planting;

Spectral composition :

The lamp is composed of full-spectrum yellow light 3000K, full-spectrum white light 5000K, red light 660nm, and far-red light 730nm is optional, It is suitable for plant growth, flowering, and fruiting. The product can be used with a dimmer and can be adjusted according to the outside world. Environmental brightness/plant needs to adjust the brightness of the lamps;

Can be cascaded dimming :

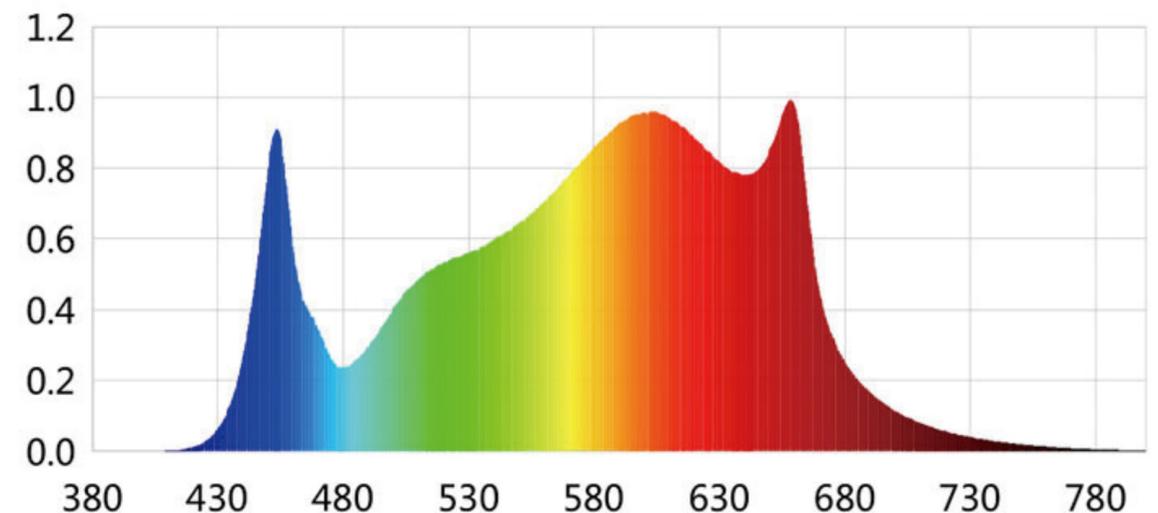
Dimming is 1-10V. The dimmer can be cascaded, up to 50 sets of dimming can be cascaded, easier operation;

The thickness of the lamp body is 4mm :

With a 4mm thick solid radiator, and the structure allows the led driver and the radiator to maintain a distance of 8-10mm, and a special process is used to separate the lamp body and the driving heat, which is conducive to better heat dissipation of the product and guarantee its service life;

IP grade :

The protection grade light board adopts a special process to spray a transparent waterproof three-proof glue with a high light transmittance of 98%. This glue is non-corrosive, anti-uv yellowing, and temperature-resistant -60-200 C .



600W LED GROW LIGHT

Product Parameters

Product Number / 600W	Input Power / 600W	Temperature Working / -35 +55
Power Factor / PF≥0.95	CCT / 3200k±150k	Dimming / 0-10V dimming knob
Frequency / 50/60Hz	CRI / ≥80	Illumination range / 2.5*2/0.75M*0.6M
Service Life / 50.000 hous	Lamp Body Color / Silver	Material / 6063 Pure aluminum
Input Voltage / AC100-277V	IP Grade / IP65 grade	Certificate / ETL,DLC,CE,RoHS
Warranty / 5 years	Installation height / 30-60cm	
Lamp Brand / Samsung lm301b 1260pcs +Osram 660nm 60pcs		

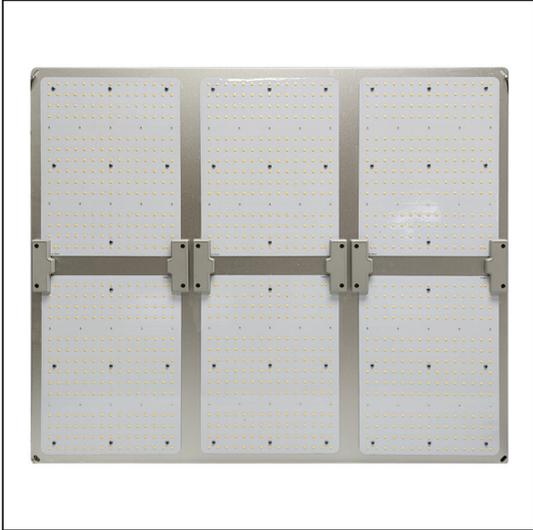
Product Size	Net Weight	Package size	Gross weight
720*600*55mm	9.5KG	740*620*75mm	10.8KG



Specifications

Details

assembling



1



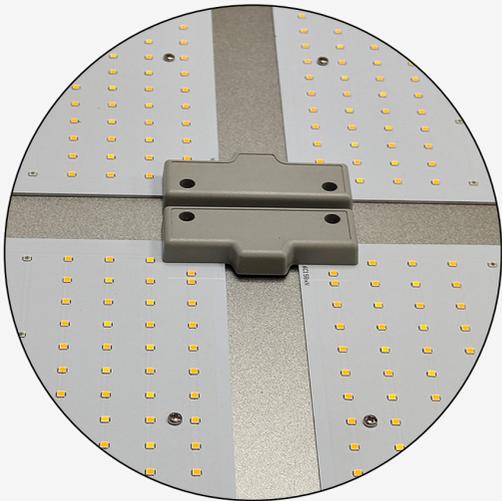
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3



Close-up views



Original Samsung 301B/H high output Led chip



1-10V dimming knob, can be adjusted 20% 40% 60% 80%



IP67 UL Certification waterproof cords



Durable daisy chain with stainless steel hook

Applications



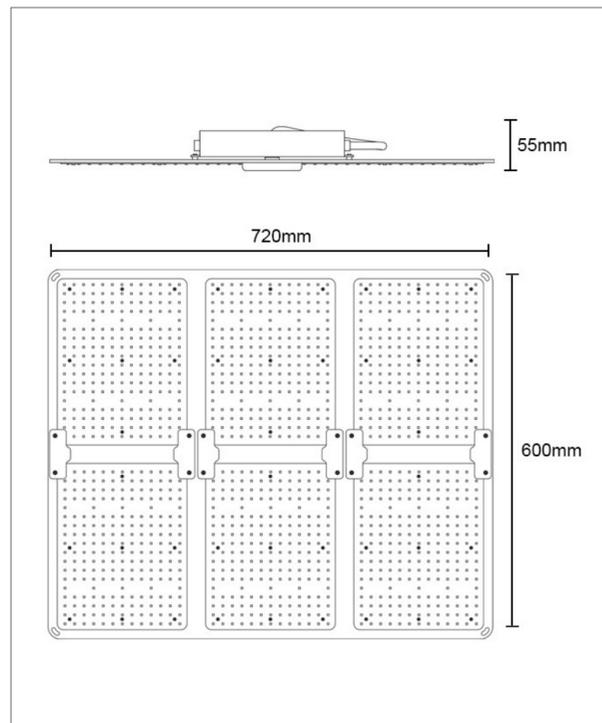
★ Instructions for use

1. The working voltage of this product: AC 100-277V 50/60 Hz, please do not exceed the working voltage range;
2. Please handle with care when transporting and storing, and don't press it heavily.

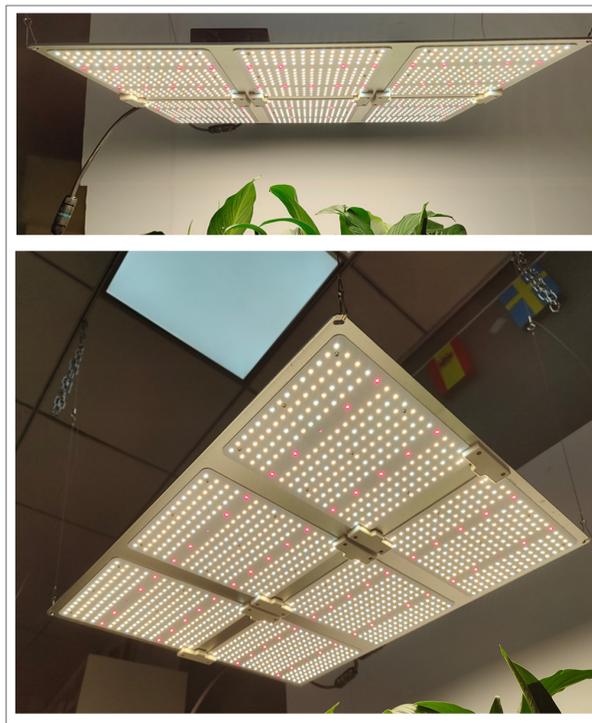
★ Installation instructions

1. Install the hanging wire through the product, directly hanging above the plant, the recommended installation height is 30-60cm;
2. Working environment temperature -30°C $-+55^{\circ}\text{C}$ storage;
3. When installing the lamps, the wiring and the wiring are closed to prevent leakage;
4. When connecting an external power cord, you must take corresponding measures for waterproofing and water leakage;
5. The independent power supply box design is conducive to the heat dissipation of the lamp body, reduces light decay and prolongs the service life of the light source;
6. Support the system to connect to the Internet, which can realize intelligent control of lamps and lanterns and improve energy-saving benefits.

Product dimension



Application Scenario



★ Maintenance and repair instructions

1. Please make sure that the power has been cut off before maintenance;
2. Clean the surface of the lamps regularly to maintain high light transmittance;

★ QUALITY ASSURANCE, AFTER-SALES SERVICE

1. This product has a 3-year warranty for the entire lamp. Under normal conditions of use, quality assurance is based on the correct storage, installation, use and maintenance of the product;
2. Product damage caused by improper installation and use or violation of product operating procedures is not within the scope of the guarantee;
3. For quality problems during the warranty period, the company will choose to repair, exchange (parts) or replace with new products during the warranty period;
4. methods to solve; beyond the warranty period, materials and labor will be charged appropriately.