

Dearest Clients

Thanks for your choosing our light ! Before you use our products ,following are some attentions for you .

ATTENTIONS:

- 1.Use the socket of good quality. LED panel Will not work properly with bad connection .
- 2.Don't turn on the light when the power cord is damaged or the socket doesn't grip the plug's prong firmly .
- 3.Ensure the home electrical system (current , voltage and electric cable) can meet the requirement of LED panel , stable voltage is very important .
- 4.For security , insert the plug into three prong grounded socket .
- 5.The panel is not water-proof . Don't sprinkle water on the surface , sides and back of the panel , drop waer in the light is forbidden .
- 6.Don't look at LED light source directly with naked eyes.
- 7.Recommed operating temperature is 20°C-35°C and humidity is below 80% .
- 8.LED panel cannot be exposed to corrosive atmosphere or direct contact with corrosive material .
- 9.LED panel is only for indoor growing .
- 10.Don't touch the surface of the panel with power on .
- 11.Don't use LED panel during thunderstorm weather in case of thunder strike .
- 12.Better to close the door to avoid the insects or small animals being attracted by the light or get into the light .

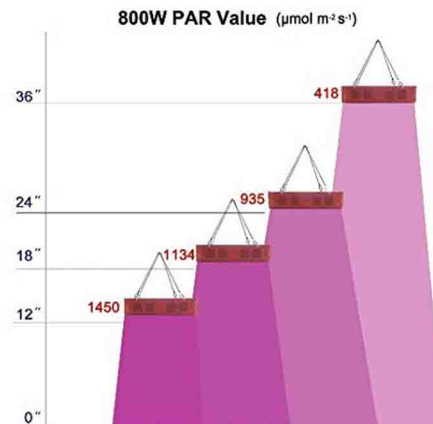


Model	800W	Led Brand	Epistar Led chips
Input voltage	100-240v	Amperage	1.1A@ 110V
Coverage Area	4' X 4'	Hangding Height	3ft
Item Weight	3.5KG	BTU	56DB
Operation Temperature	85F-105F	Deccible Value	
Replaces HPS	600W	Lifespan	50000-100000hours
View angle Of Led	120	Plug Type	US/UK/AI/EU/JP
Power Consumption	215W	Recommend Height	3ft
Spectrum	White/430-440nm/450-475nm/620-630nm/650-670nm		

Package includes:

1 x 300W LED Grow Light 1 x Steel Hanging Kits 1 x Pwver Cord

PAR (umol m⁻² s⁻¹)



PAR (Photosynthetically Active Radiatio)

is an often used (and often misued) term , It is NOT a measurement or " like feet , inches , or kilos . Rather , it defines the type of light (scientists call ligh" electromagnetic radiation") needed to support photosynthesis in plant life . Through photosynthesis, plants convert light energy into chemical energy , which is the food they use to grow and thrive .

TIPS:

When you compare PAR , please do not only compare the central point , you'd better compare the whole coverage area .

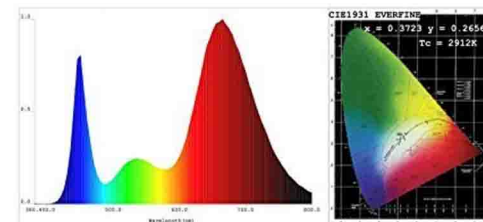
Installation Steps:

Step 1:
Open the package; It include panel ; One set of hanging kit and power cord.

Step 2:
Attach the hanging kit to the four brass bracket.
Hang the panel right above the plants.
Recommend hanging distance is above 1fee .

Step 3:
Connect the power cord to the socket.
Plug and play.

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate : y=0.0970
 Chromaticity Coordinate :v'=0.0970(duv#=-1.49e-01
 TC=100000K Dominant WL:380.0 nm
 Purity= 67.9% Centroid WL629.0nm
 Ratio:R = 50.3% G = 32.1% B =17.6%
 Peak WL:LP = 665.0nm HWL:23.9nm
 Render Index:Ra =89.0
 R1 =-146 R2 =-134 R3 =-39 R4 =-23
 R5 =-117 R6 =-110 R7 =-37 R8 =-180
 R9 =-750 R10 =-411 R11 =-50 R12 =-202
 R13 =-175 R14 =42 R15 =-266

Photo Parameters:

Flux: 2731.11m Fe:39.312W EFFICACY: 19.81 1m/w

Electrical Parameters:

Luminairt: U=100.1V I=1.386A P=137.8W PF=0.9934
 Instrument status:
 Scan Range:380.0nm Interval:5.0nm (0) Ip=29795(G=2,D=52)
 REF=9458(R=3)

Photosynthesis speaking , plants need a lot red and blue to help growing and flowering . so this test shows that this led grow light spectrum Contains a lot red and blue . besides , we do added some other necessary spectrum in , like 730nm which is very helpful for planting .

Grow Tips:

Recommended Hanging Distance Above Plants:
 Seedling: 24"
 Germination: 24"-30"
 Veg: 18"-24"
 Flower: 12"-18"

Recommended Lighting Time:
 Veg: 18/6(on/off)or20/4(on/off)

Flower: 12/12 (on/off)

Recommended Growing Conditions:

The rate of photosynthesis and tran spiration are directly affected bay temperature, humidity and airflow.
 The perfect temperature and humidity for your plants and found between 75°F-85°F and 50%-70% humidity , with plenty of airfrow to replenish CO2.
 PH is 6-6.5 . You may add more celcium and magnesium than normally needed.