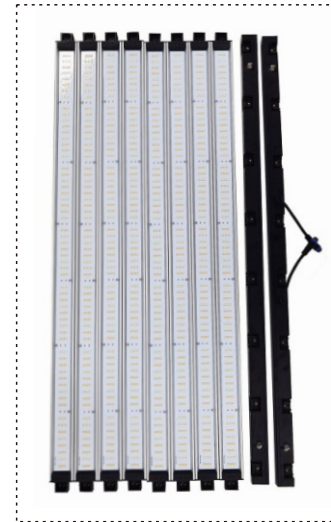


LED PLANT GROWTH LIGHT

Specification



BB-GKD-XXXW-G3-D3
 (Detachable style)



2.8 $\mu\text{mol}/\text{J}$
 Fixture Efficiency

2240 $\mu\text{mol}/\text{s}$
 800W Total Output

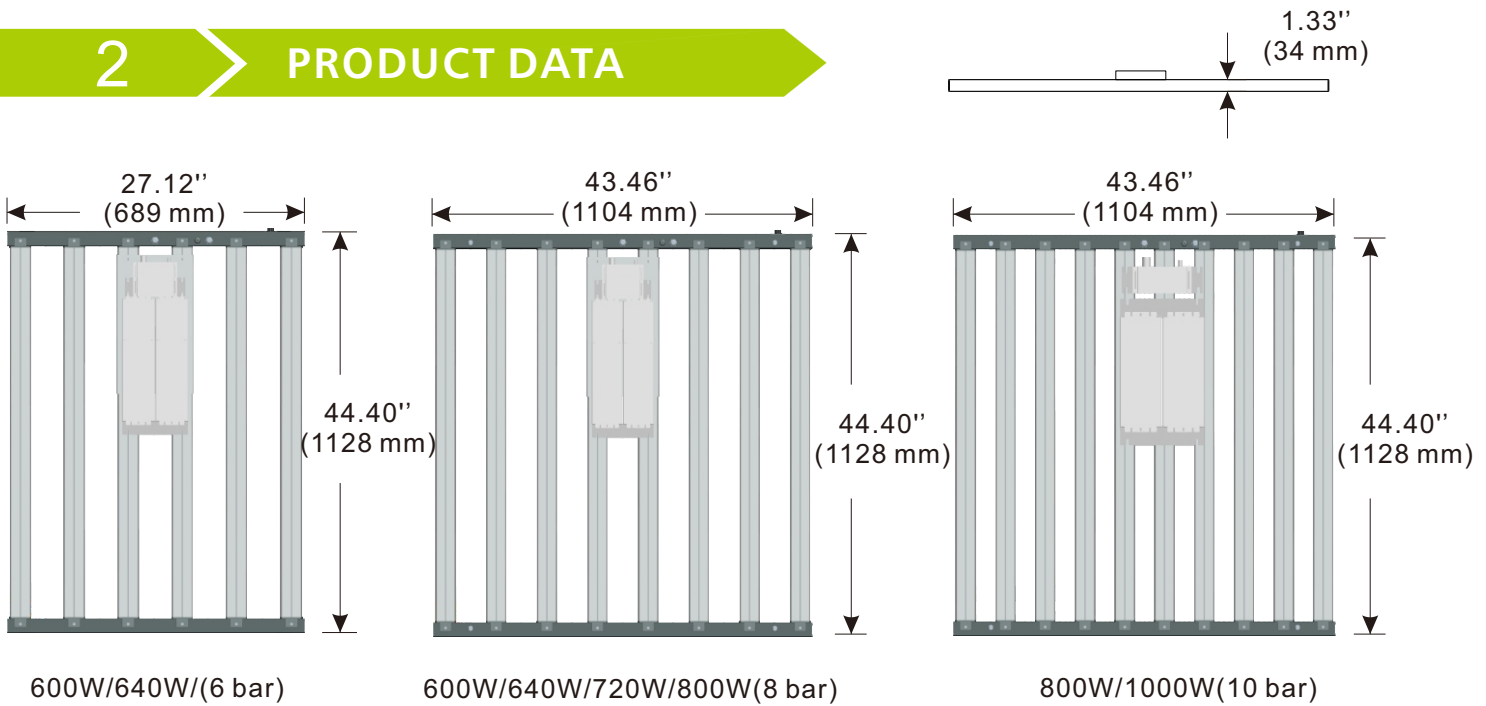
The plant growth light series has the high-performance solution for the most demanding applications within a unique design. It can be used in many applications such as greenhouse, farm, anywhere planting Flowers, Succulents, Fruits.

1 KEY FEATURES

- ✓ Full spectrum light output
- ✓ Samsung LED chips
- ✓ Includes remote dimmer
- ✓ 0/1-100% knob dimmer
- ✓ Added red light for enhanced flowering
- ✓ UL listed power supply (IP 67)
- ✓ Aluminum alloy with white/black coat
- ✓ Energy efficient, low heat output
- ✓ No fans or moving parts, silent running
- ✓ Excellent heat dissipation
- ✓ Enhanced light penetration
- ✓ Easy Installation
- ✓ 50,000 hour lifespan
- ✓ plug and play
- ✓ Control multiple units with iLink technology
- ✓ Lower Transportation Cost
- ✓ Easy to use heavy duty hanging brackets
- ✓ Lightweight slimline design
- ✓ Easy clip on bars
- ✓ Use in moist environment

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PRODUCT DATA



Model	BB-GKD-600W -G3-6bar	BB-GKD-640W -G3-6bar	BB-GKD-600W -G3-8bar	BB-GKD-640W -G3-8bar
Power	600W	640W	600W	640W
PPF	2.8Umol/j	2.8Umol/j	2.8Umol/j	2.8Umol/j
Replacement	HPS 2000W	HPS 2200W	HPS 2000W	HPS 2200W
Net weight	11kg	11kg	15.8kg	11kg
PPE	1680Umol/j	1792Umol/j	1680Umol/j	1792Umol/j
Size	L689*W1128 *H34mm	L689*W1128 *H34mm	L1104*W1128 *H34mm	L1104*W1128 *H34mm
Model	BB-GKD-720W -G3-8bar	BB-GKD-800W -G3-8bar	BB-GKD-800W -G3-10bar	BB-GKD-1000W -G3-10bar
Power	720W	800W	800W	1000W
PPF	2.8Umol/j	2.8Umol/j	2.8Umol/j	2.8Umol/j
Replacement	HPS 2500W	HPS 2500W	HPS 2500W	HPS 3000W
Net weight	15.8kg	15.8kg	16.8kg	16.8kg
PPE	2016Umol/j	2240Umol/j	2240Umol/j	2800Umol/j
Size	L1104*W1128 *H34mm	L1104*W1128 *H34mm	L1104*W1128 *H34mm	L1104*W1128 *H34mm
Spectrum	Full spectrum white light+660nm plant red light			
Mounting	Hanging Mounting;Mounting Height >6"(15.2cm)Above canopy			
Light Source	Samsung SMD LED			
Operation Temp	-40 ^o to +40 ^o C			
Life Span	50,000 hours at 25 ^o C			
Voltage	100-277VAC/50-60Hz,200-480VAC/50-60Hz			
Driver	UL listed power supply(IP67)			

Dimming	Dimmable
Surface Treatment	Al6063 surface anodizing treatment
Material	All aluminum alloy
Supplementation Time	16-20H/day
PF	>0.95
IP	IP 65
Warranty	3Years

Ordering Information:

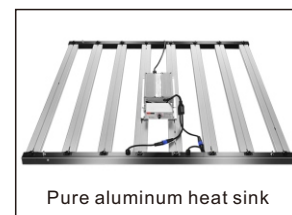
Area Series	Watts	Version	CCT	Voltage	Control	Installation	Dimming	Color
BB-GKD	600W(6 bar) 640W(6 bar) 600W(8 bar) 640W(8 bar) 720W(8 bar) 800W(8 bar) 800W(10 bar) 1000W(10 bar)	G3-D3	Full spectrum	Blank-100-277VAC HV-200-480VAC	Blank - Without control WT- WIFI timer WSC- wireless spectrum control	Lift on/off type	Blank-Dimming	Blank-White Black

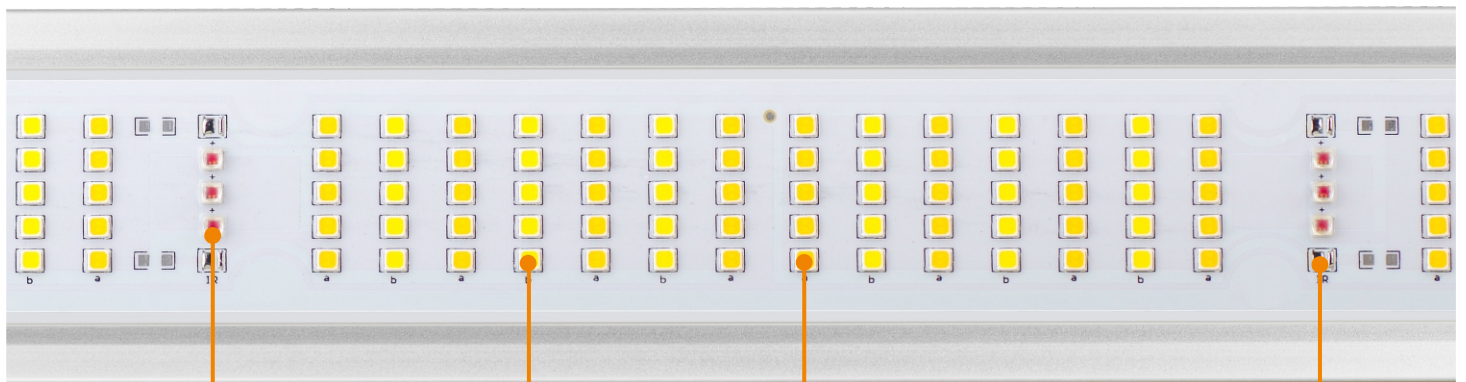
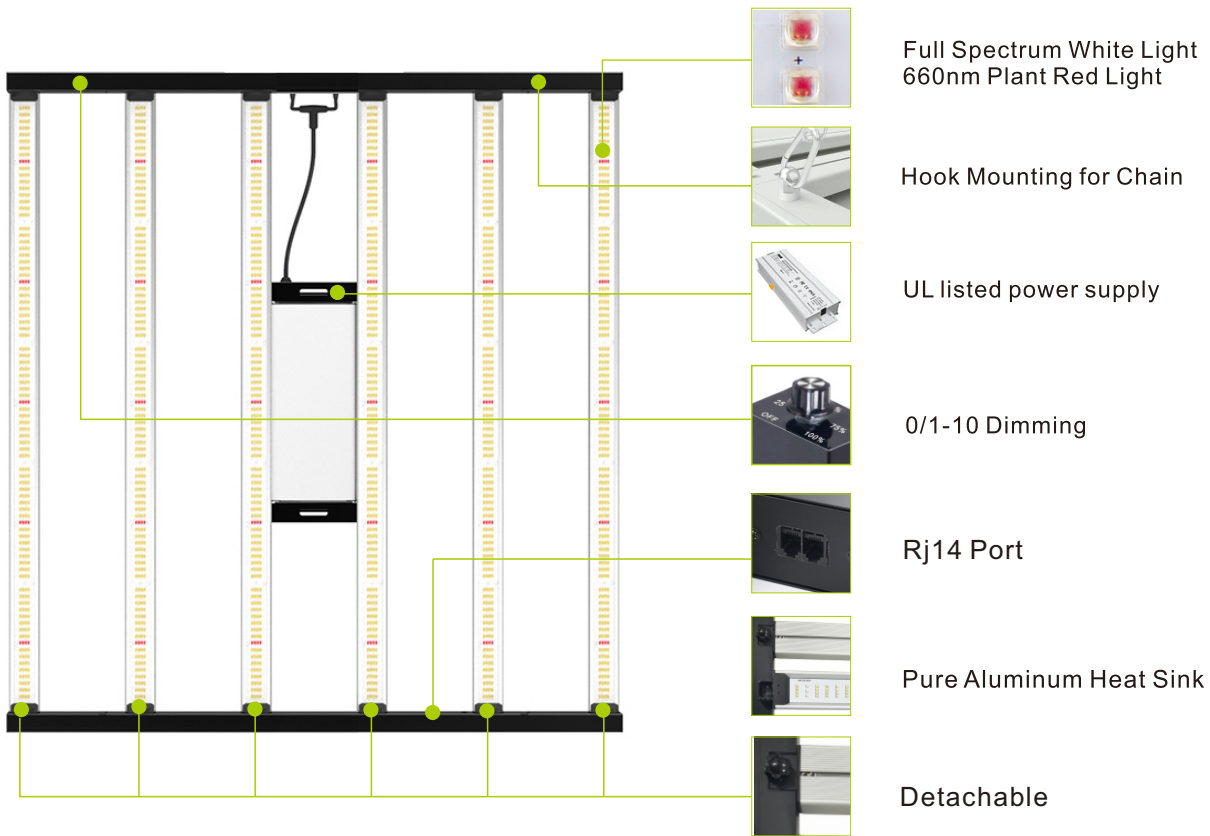
Notes: For OEM&ODM orders, pls inquiry sales team.

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DETAIL

- 1.Top unique design 3.0/W conductivity, 2OZ copper thickness.
- 2.High efficiency white light top SMD LED.
- 3.White Light Full Spectrum for better results.
- 4.UL listed power supply, Safe and reliable, long life.
- 5.Perfect performance for veg and bloom.
- 6.Green, energy saving, long and reliable life of 50,000 hours.
- 7.No RF interference, No IR/UV radiation ,no mercury pollution.
- 8.Better canopy light penetration with diffused light.
- 9.Environment friendly ,energy saving (70~80%).
- 10.Special circuit design, each LED work separately, avoiding the single broken LED influence problem.





Red Light (660nm)

White Light (5000K)

Warm White Light (3000K)

IR 730NM Available



Warm White Light(3000K):
Boosts plants blooms,makes flower bigger and vivid.



White Light(5000K):
Increases plants rate, increases the growth rate of plants.



RED Light (660nm):
Yields more leaves and crops when combined with red light



IR 730nm:
Flowering Induction and Shade Avoidance

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APPLICATION

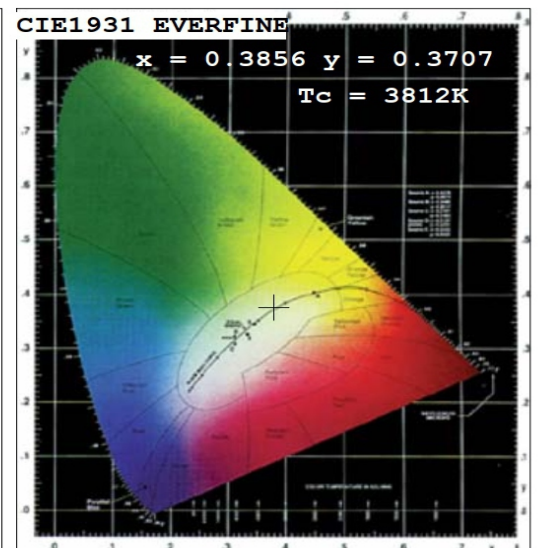
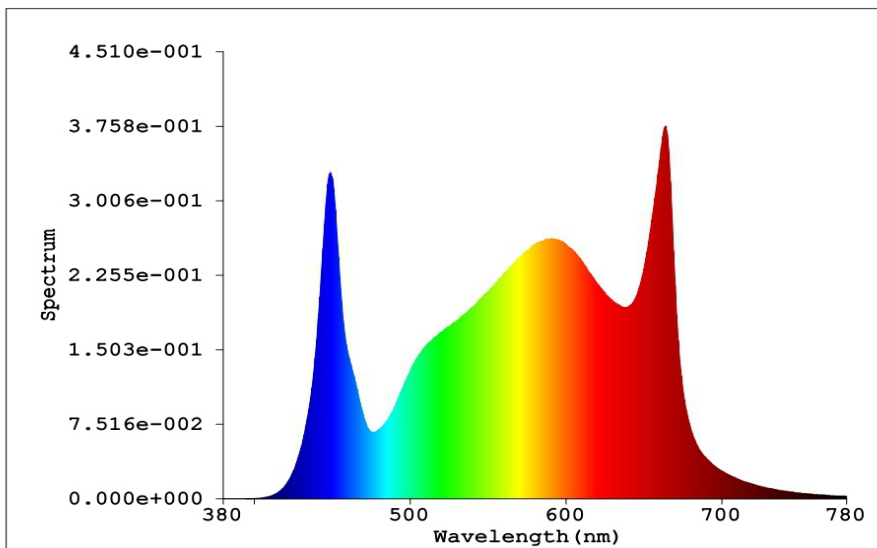
- Grow tent
- Greenhouse
- Horticulture lighting
- Hydroponic cultivation

- Industry hemp growth
- Marijuana Cannabis lighting
- Indoor planting growth
- Farming plants research



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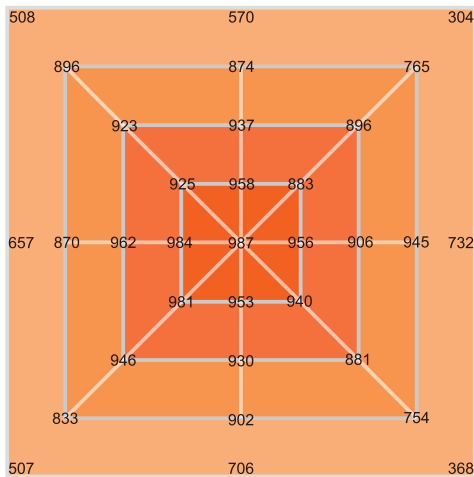
PRODUCT DESCRIPTION



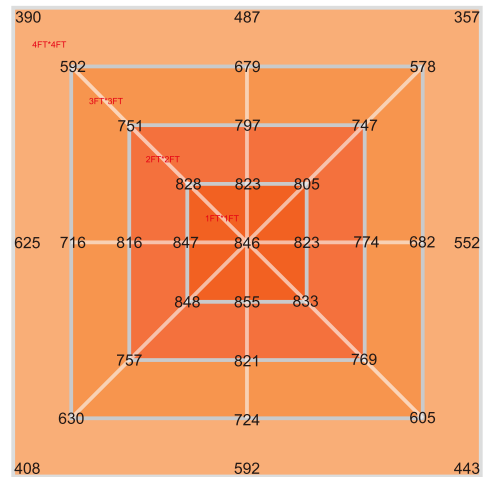
6

PPFD DISTRIBUTION

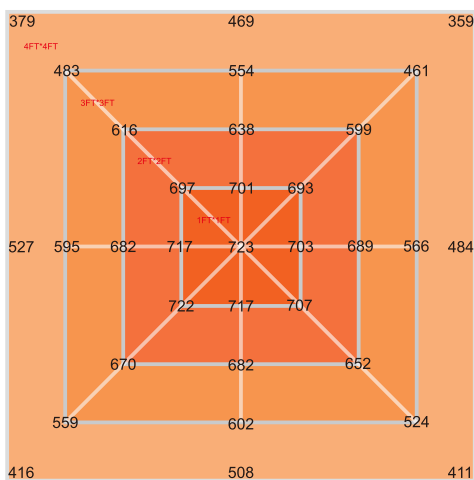
600W 6bar PPFD in 6 inch



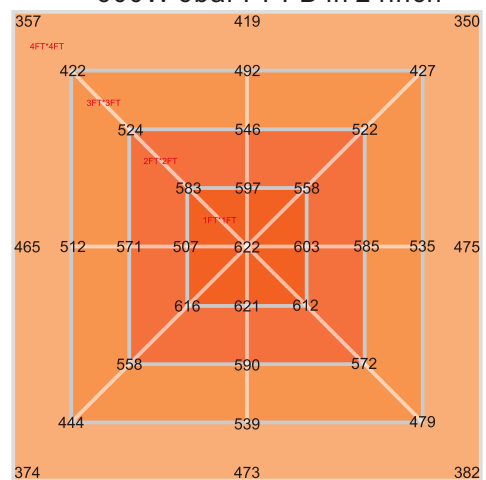
600W 6bar PPFD in 12inch



600W 6bar PPFD in 18inch







600W 6bar PPFD in 24inch







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SUGGESTIONS AND TIPS

Proposal

-  Ideal Working Hours:Vegetables 14-16 Hours/Flowers 12 Hours
-  The Working Environment For The Light:-20 to +40°C ,45%RH to 90%RH.
-  The Ideal Distance Between Lights Fixture and Plants:
3ft-4ft for Veg;2-3ft for Flower.
-  Don't Touch Or Move When The Light Working.

Tips

-  Recommended indoor working temperature:daytime:22-28 degrees/night:20-22degree.
-  Recommended carbon dioxide concentration:1200 to 1500 ppm.
-  Recommended hydraulic VPD:1.0-1.49kPa/Night:0.8-1.2kPa.
-  Recommended relative humidity:leaf stage:75-80% /Pre-flowering stage:60-70%/Late flowering 50-55%.



Power plug



Waterproof connector



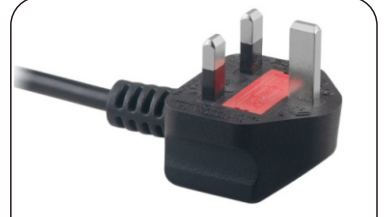
NEMA Plug



AU Plug



EU plug



UK Plug



Power cable



Adjustable



Intelligent control

The WIFI timer:



EU Standard



UK Standard



US Standard



AU Standard

Notes:

The WIFI timer has US, EU, UK and Australian standards, and the timer is compatible with our lights and dimmer switches.

Controller:



Standalone /Daisy Chain possible



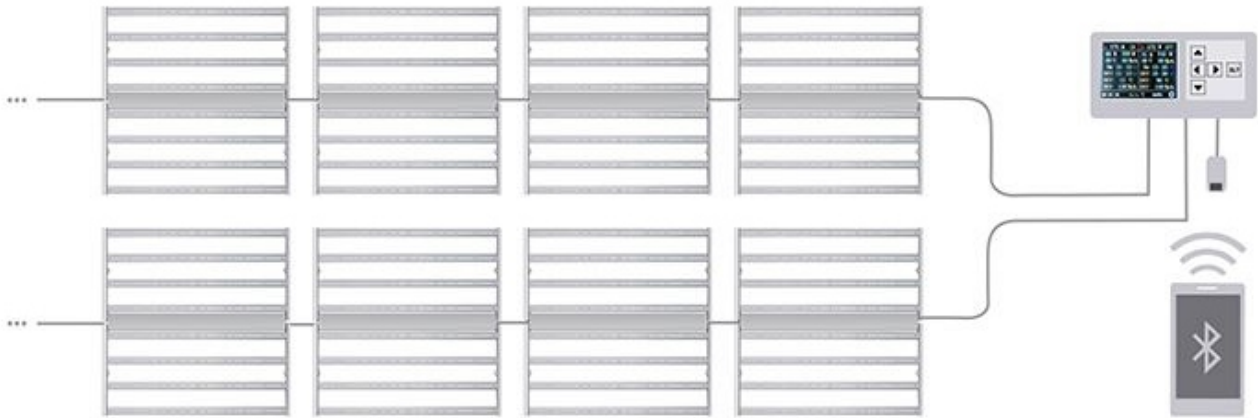
Controlling up to 2 groups of ballast, Max. 100pcs per group.



Bluetooth App controllable

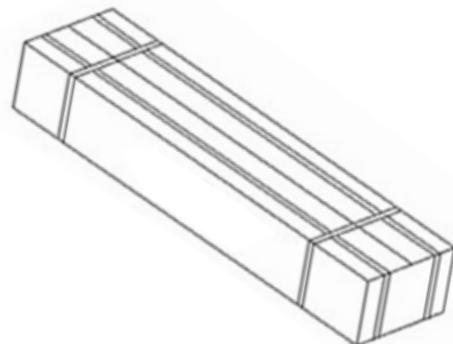
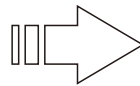
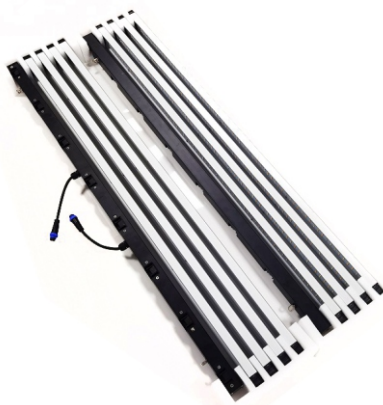


Temp. & Humidity monitored by controller



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PACKAGING INFO

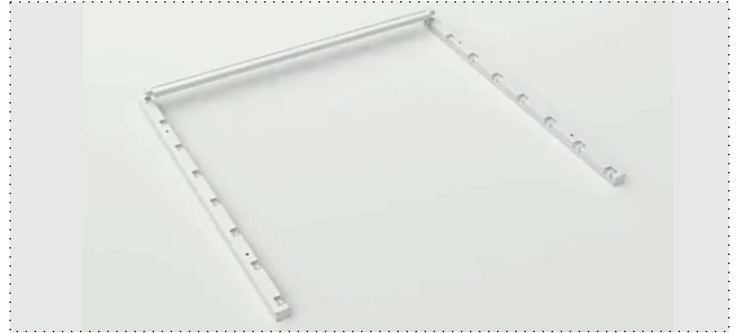


Model	Packaging	Carton Size(mm) (L*W*H)	N.W	G.W	Volume weight
600W(6 bar)	1pc/CTN	L1140*W250*H250	11kg	12kg	14.5kg
600W(8 bar)	1pc/CTN	L1140*W250*H250	12.8kg	13.6kg	14.5kg
800W/1000W	1pc/CTN	L1140*W250*H250	15.8kg	16.9kg	14.5kg

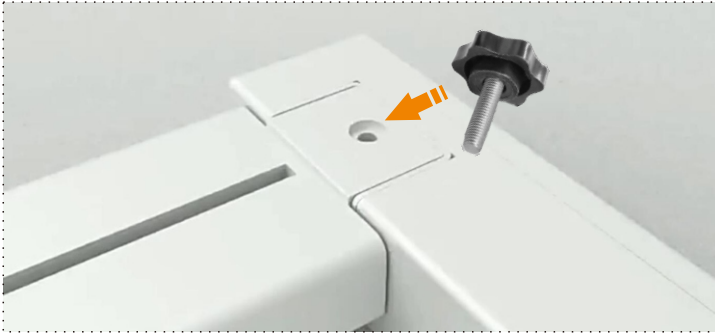
Installation



1 Take the grow light out of the box. Unload the protection EPE package material.



2 1. Place the two main brackets, and put the light bars into the bracket slots respectively.



3 1. Secure each light with plum screw.



4 1. Install the power board on the back of the light. And dock the power cord with the light wire.



5 1. Hang the chain on the 4 hanging ears. Installation of light completed.



ACCESSORY:

1. Chain*2
2. Lifting rope*2
3. Torx screws
3. Power cable*1
4. Power combination*1