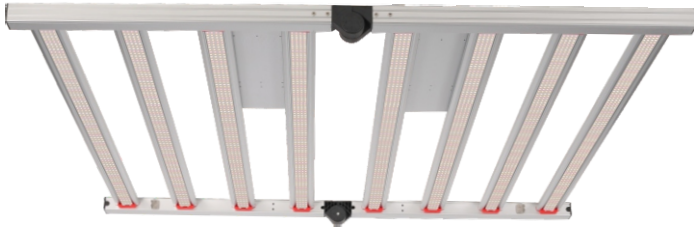


# LED PLANT GROWTH LIGHT

## Specification



BB-GKD-XXXW-G3-D2A  
 (External power supply)



BB-GKD-XXXW-G3-D2B  
 (Built-in power supply)



**2.5**  $\mu\text{mol}/\text{J}$   
 Fixture Efficiency

**2000**  $\mu\text{mol}/\text{s}$   
 800W Total Output

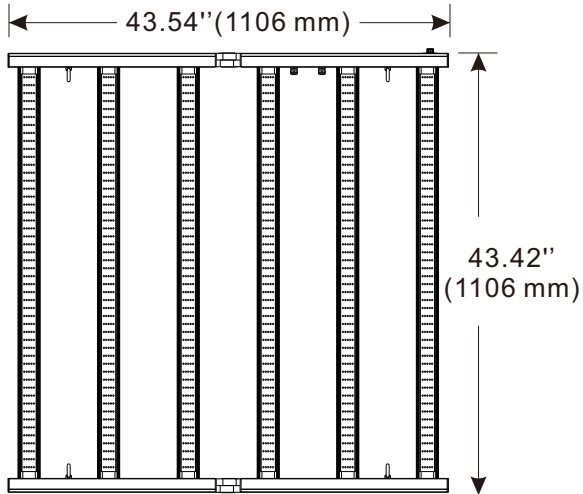
The plant growth light series has the high-performance solution for the most demanding applications within a unique design. It can be used in many applications such as greenhouse, farm, anywhere planting Flowers, Succulents, Fruits.

### 1 KEY FEATURES

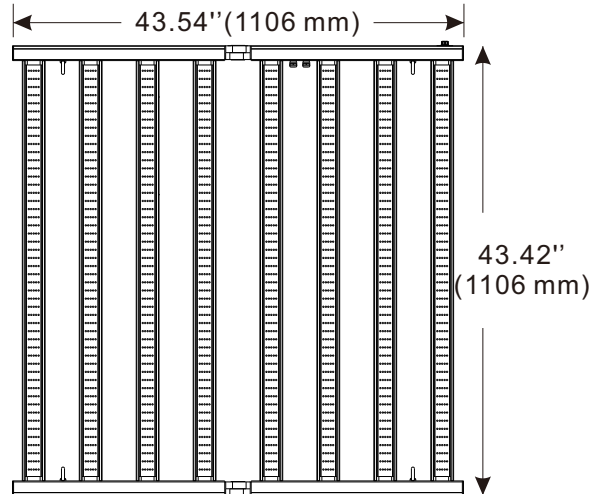
- Full spectrum light output
- Samsung LED chips
- Includes remote dimmer
- 0/1-100% knob dimmer
- Added red light for enhanced flowering
- UL listed power supply(IP 67)
- Aluminum alloy with white/black coat
- Energy efficient, low heat output
- No fans or moving parts, silent running
- Excellent heat dissipation
- Enhanced light penetration
- Easy Installation
- 50,000 hour lifespan
- plug and play
- Control multiple units with iLink technology
- Dimensions:L1103\*W1106\*H40mm
- Easy to use heavy duty hanging brackets
- Lightweight slimline design
- Easy clip on bars
- Ip65 waterproof, Use in moist environment

## 2

## PRODUCT DATA



600W/640W



720W/800W

Model	BB-GKD-600W -G3-D2	BB-GKD-640W -G3-D2	BB-GKD-720W -G3-D2	BB-GKD-800W -G3-D2
Power	600W	640W	720W	800W
PPF	2.5Umol/j	2.5Umol/j	2.5Umol/j	2.5Umol/j
Replacement	HPS 2000W	HPS 2400W	HPS 2400W	HPS 3000W
Net weight	11kg	11kg	14.6kg	14.6kg
PPE	1500Umol/j	1600Umol/j	1800Umol/j	2000Umol/j
Size	L1106*W1103*H40mm			
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 to +40°C			
Life Span	50,000 hours at 25°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	5Years			

Ordering Information:

Area Series	Watts	Version	CCT	Voltage	Control	Installation	Dimming	Color
BB-GKD	600W 640W 720W 800W	G3-D2(A) G3-D2(B)	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.

3

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%).



Full Spectrum White Light  
660nm Plant Red Light



Hook Mounting for Chain



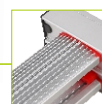
UL listed power supply



0/1-10 Dimming



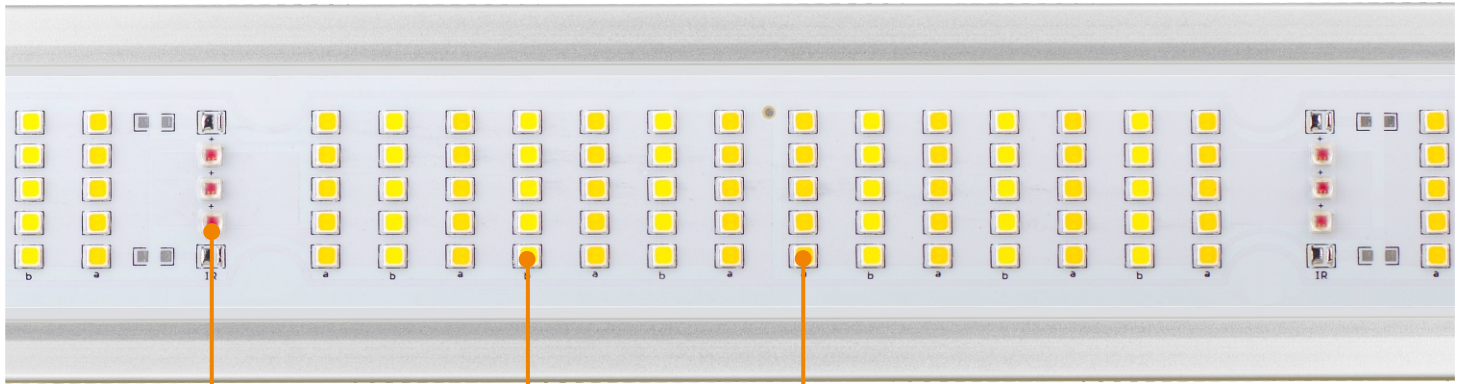
Rj14 Port



Pure Aluminum Heat Sink



Foldable



Red Light  
(660nm)

White Light  
(5000K)

Warm White Light  
(3000K)



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



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



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

## 4

## APPLICATION

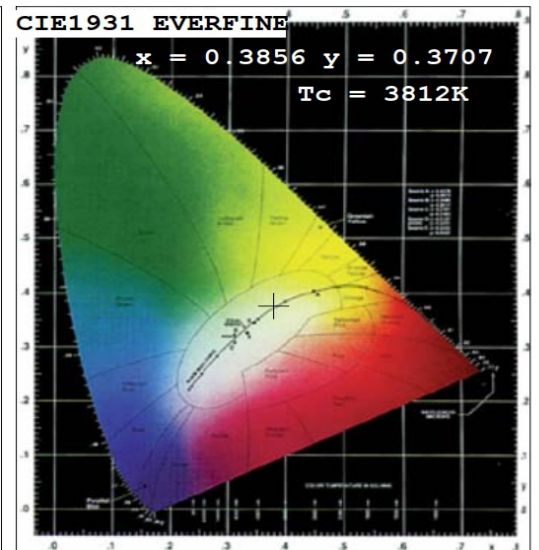
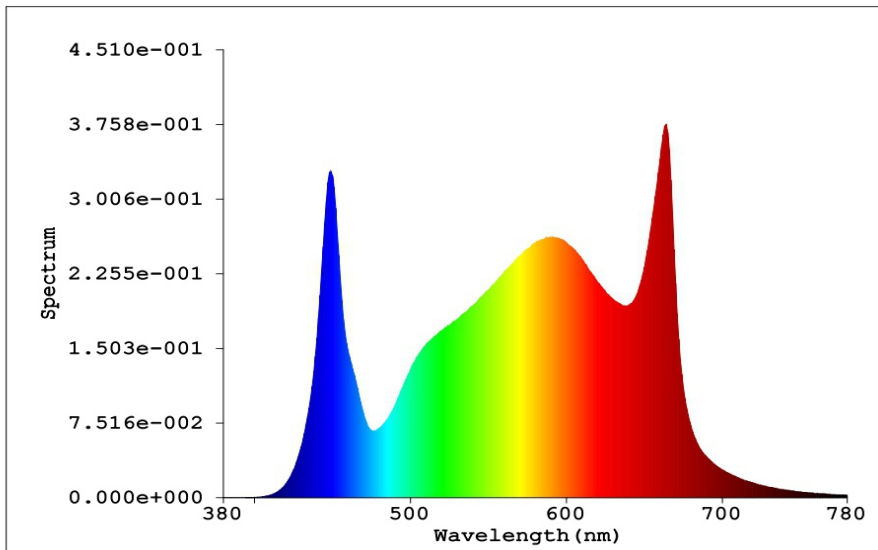
- Grow tent
- Greenhouse
- Horticulture lighting
- Hydroponic cultivation

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



# 5

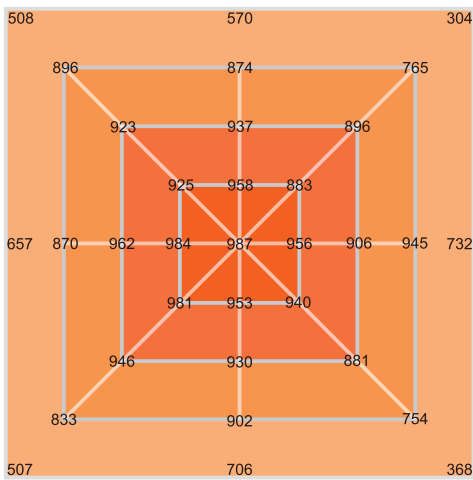
## PRODUCT DESCRIPTION



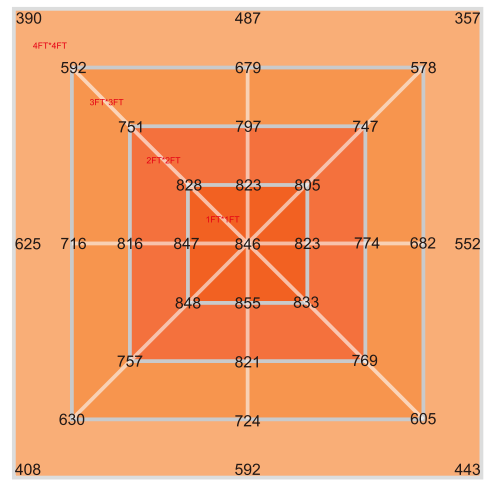
# 6

## PPFD DISTRIBUTION

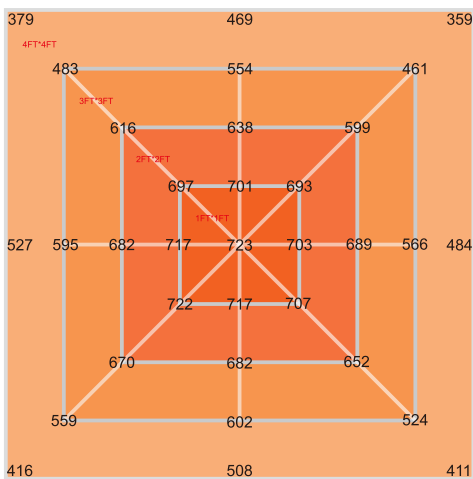
600W 6bar PPFD in 6 inch



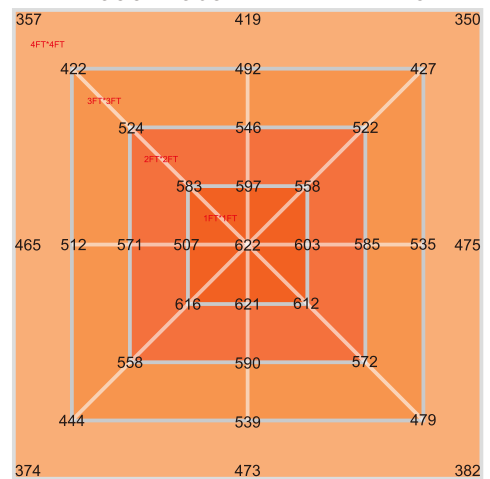
600W 6bar PPFD in 12inch



600W 6bar PPFD in 18inch







600W 6bar PPFD in 24inch







# 7

## SUGGESTIONS AND TIPS

### Proposal

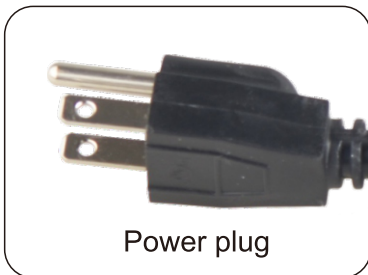
-  Ideal Working Hours:Vegetables 14-16 Hours/Flowers 12 Hours
-  The Working Environment For The Light:-20 to +40°C ,45%RH to 90%RH.
-  The Ideal Distance Between Lights Fixture and Plants:  
3ft-4ft for Veg;2-3ft for Flower.
-  Don't Touch Or Move When The Light Working.

### 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%.

# 8

## OPTIONAL ACCESSORIES



Power plug



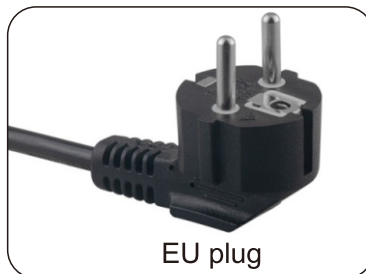
Waterproof connector



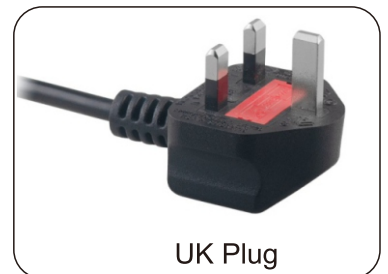
NEMA Plug



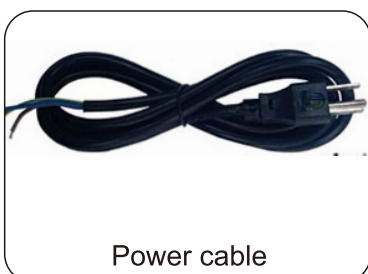
AU Plug



EU plug



UK Plug



Power cable



Adjustable



Intelligent control

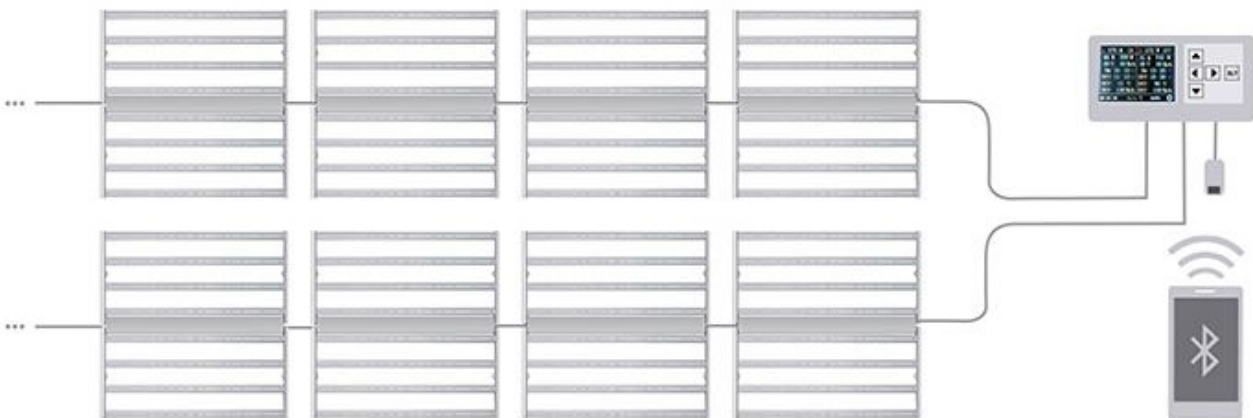
## The WIFI timer:



### Notes:

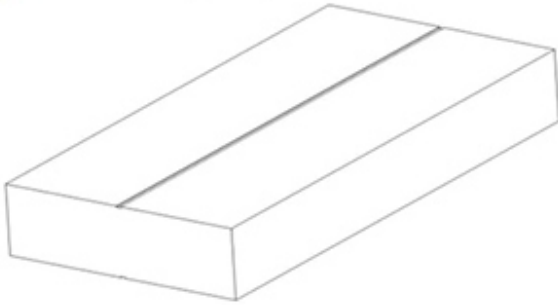
The WIFI timer has US, EU, UK and Australian standards, and the timer is compatible with our lights and dimmer switches.

## Controller:

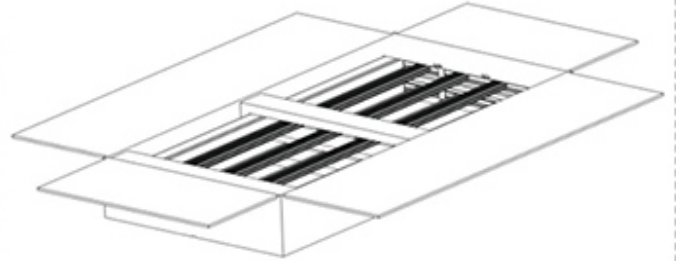


## ■ Installation

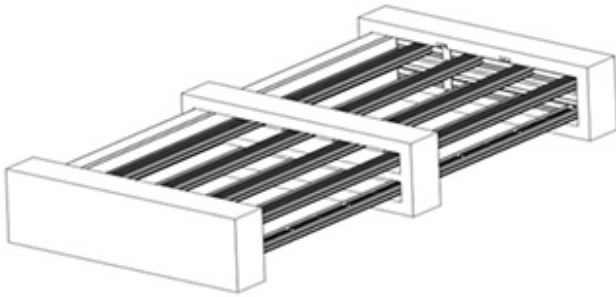
01 Unbox the LED grow light.



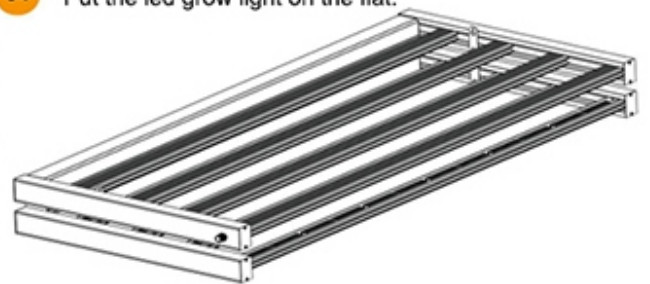
02 Take the led grow light out of the box.



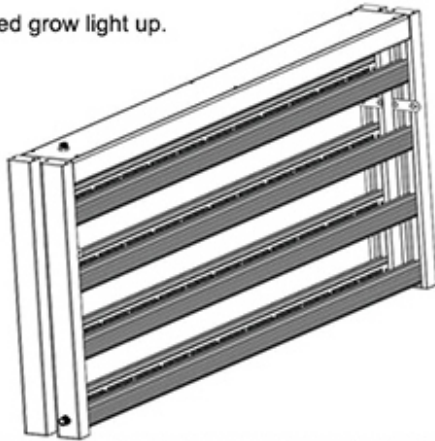
03 Unload the protection EPE package material.



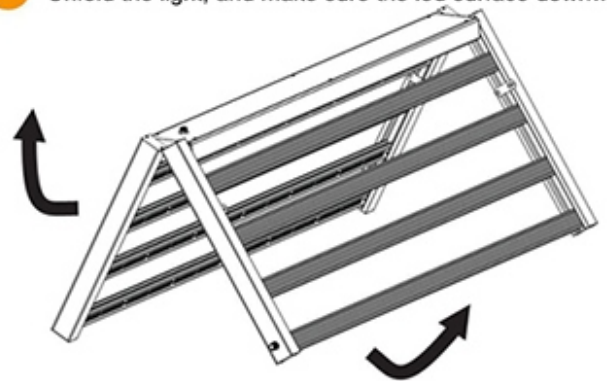
04 Put the led grow light on the flat.



05 Put the led grow light up.



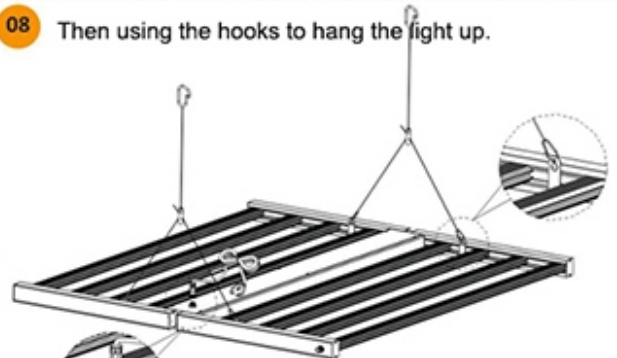
06 Unfold the light, and make sure the led surface downward.



07 After unfold the grow light, put it on the flat.



08 Then using the hooks to hang the light up.



Connect the AC socket plug, and turn on the power to use it.



Model	Packaging	Carton Size(mm) (L*W*H)	N.W	G.W	Volume weight
600W/640W	1pc/CTN	L1140*W640*H120	11kg	12kg	15kg
720W/800W	1pc/CTN	L1140*W640*H120	14.6kg	15.8kg	18kg

