

This series of LED grow light will cultivate record-breaking yields, both on quantity and quality, with greater energy savings, and efficiency than any other grow lights.



FEATURES

- Triple types of on/off devices including hand movement, remote controller and APP WIFI to make operation much easier and flexible
- Step dimming and full range dimming for different illuminating effect and different period of growth as well
- Adjustable power consumption and luminaire area
- Work temperature detection system to make luminaire work properly and long lifespan
- High power branded Epileds with high Par Value
- Including Special spectrum like IR (Infrared) and UV LED to increase the yield. Top quality fans with low noise
- Energy Saving, environmental friendly
- Much more convenient repair and replacement in the future

JAMES®

LED GROWLIGHT-BYZ SERIES

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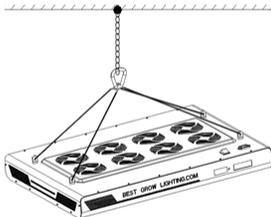
PRODUCT SPECIFICATION

Product	GL-J500 BYZ	GL-J650 BYZ
Dimensions	26" x 20"x3.5"	26" x 20"x3.5"
Max Wattage	500w	650w
Weight	36lbs	36lbs
Diode Wattage	Perfect Mix of 3w & 5w	Perfect Mix of 3w & 5w
HID Wattage Equivalent	800w	1000W
Total Diodes	320	320
Footprint	5' x 5'	5' x 5'
Input Voltage	100-277V AC Power Input	100-277V AC Power Input
Work Frequency	50/60 Hz- Suitable for Global Energy Environment	50/60 Hz- Suitable for Global Energy Environment
Output Voltage	UL Standard Output Voltage- Less than 76V DC	UL Standard Output Voltage- Less than 76V DC
Amperage	5.25	5.25

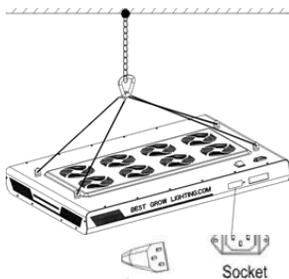
INSTALLATION INSTRUCTIONS

Setting up your fixture:

1. It's very simple to install, no tool needed. Hook up the clips with the hangers on four corners of fixture.



2. Plug in the power cord to back of the fixture and ground cord. If multiple fixtures work at the same time, please consider the power consumption.



3. The fixtures should be ready to work by switching the green button.
4. Among these diodes, some of them transmit infrared light, the others transmit UV light. Infrared light will be off when diodes are transmitting dull blue light. These lights are harmless to human.
5. The fixture should be hung above plant at proper distance. The higher you hang the broader coverage area but weaker the intensity. In the adjustment period, which is very first 3-7 days, distance between plants and fixture should be 36 inches. After that 18-26 inches are recommended. No matter what we suggest keeping minimum distance at 14 inches.

How to connect with mobile phone:

• Operation instruction

1. Hook up the power cord
2. Power button will light up after hooking up power cord. Grow light will be in operating mode (either AP mode or routing mode, depends on what mode it is last time) in 10 seconds.
3. While in AP mode, flashing frequency is slower than routing mode. Using mobile phone to connect the Wi-Fi from the grow light. Go to <http://www.oneetry.com/products/mobile-download.html> download the app, and connect the Wi-Fi name is "embedsky". Password: 430273021
4. Your mobile phone is ready to control the grow light.
5. To switch to Routing mode, press the power button for three seconds. While in routing mode, flashing frequency is faster than AP mode. You still can use Wi-Fi to connect your phone to the device.

App instruction

app interface includes device, setting, manual and auto.

AP mode instruction:

1. turn on both grow light and Wi-Fi on your phone. You are supposed to see Wi-Fi name "embedsky" from the grow light.
2. In the app, go to device tab to add the device (grow light). Name your device also.
3. Go back to home page of the app, you will see the device you just add, and click on it you will see red, blue, white spectrum under manual mode, and you can adjust the intensity of each spectrum. To use the auto mode, you need give name to different stage, and set the time and color spectrum you prefer in every stage. There is a preview button below.

Routing mode instruction:

1. Press the power button for 3 seconds to switch to routing mode.
2. Go to setting tab on your app and click smart connection
3. Key in the correct password for the router. It takes about 20 seconds to connect.
4. Operation is same as AP mode stated above.

FAQ

Q: What is the ideal distance between the light and my plants?

A: We suggest the ideal distance is 18-26". Some high lights use strains, so it can be little closer to plants, but We recommend that no closer than 14".

Q: does the light compatible with 240 voltages?

A: Yes, our light is compatible from 100v to 277v, but the cord must be changed.

Q: Can I move my plants from HPS or fluorescents light straight to LED?

A: Yes, you can. However, since LED has different type of light to HPS and fluorescents. In the beginning your plants may undergo a discoloration on upper leaves of your plants. This can be minimized by hanging the fixture above 36" high from the plants. It also takes 3-7 days for plants to acclimate under new light. If any discoloration still happens when you move the fixture closer to your plants, please move back up 6"

Q: Should I wear a pair of protective glasses in indoor gardening room that full of light?

A: Yes, these lights are just like sunlight, might cause harm to your eyes. We suggest wearing a pair of color correction glasses.

Q: I find some of my leaves on the top curling and bleaching? What's going on?

A: It's because your plants haven't completely acclimated the amount of lights. Try move the fixtures back up 6", and everything will be fine.

Q: Is it true that when using LED light, the room temperature should increase?

A: Yes, as LED light emit less heat than HPS and Fluorescent light. It will slow down the transpiration and Metabolic process in the leaf. Increase room temperature to 82-85 F° making a perfect environment for plant.

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Q: Does Co2 still allow working with LED fixtures in indoor grow room?

A: Of course, it does. In fact, 82°F-85°F are the best temperature for plant to absorb Co2.

Q: Why does my light footprint looks so small?

A: Footprint area is determined by the height between fixtures and plant. if you follow our recommended height, Your footprint coverage area should be fine. Our recommended height is for average light use plant, if you Are growing high light use plant, the effective footprint will be smaller.

Q: What's the ideal distance between my fixture and my plants?

A: In the first 3-7 days, we suggest you set at 36" high. After that bring it down 6" at a time until you reach 18". If you find curling, bleaching etc. on your leaves, please move back up 6". That will be the ideal spot For your plant's life cycle.