



USER MANUAL



LED GROW LIGHT



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FEATURES & SPECIFICATIONS

LED GROW LIGHT

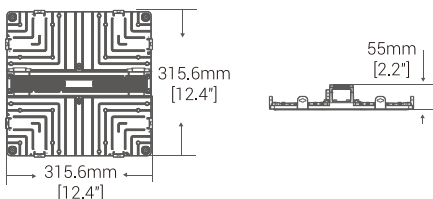
Groplanner O⁺ Series



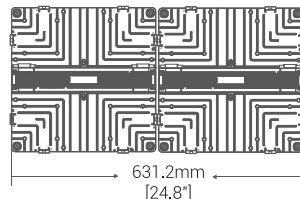
Groplanner O⁺ Series LED Grow Light Features a full-spectrum similar to the sun which is true high efficient lighting from seedling to harvest, and is an ideal choice for hobbyist and commercial growers. The excellent modular design of this fixture makes larger heat dissipation area and faster heat conduction, let alone this series of lights supports multiple control with network cable connection. With Groplanner LED Grow Light, you'll enjoy a faster and prosperous growth.

Model	LS-GLO-150W	LS-GLO-300W	LS-GLO-450W	LS-GLO-600W
Power Draw (±5%)	150W	300W	450W	600W
PPF	412.5μmol/s	825μmol/s	1237.5μmol/s	1650μmol/s
Energy Efficacy(PPFE)	2.75 μmol/J			
Spectrum	Full spectrum (3000K, 5000K, 660nm, IR 760nm)			
Input voltage	100-277VAC, 50/60Hz			
Housing	Die-casting Aluminum			
Working Humidity	10%~90%R.H.			
Working Temperature	-22°F ~ -113°F			
Life Span	>60,000hours			
Dimmable	20%~100%(manual dimmable knob)			
Warranty	36 months			

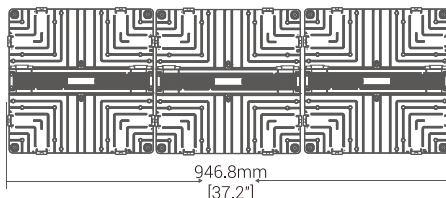
DIMENSIONS



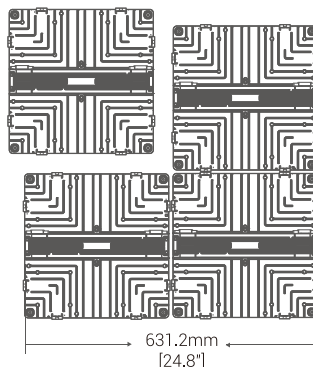
150W (G.W: 8 lbs)



300W (G.W: 18 lbs)



450W (G.W: 26 lbs)



600W (G.W: 35 lbs)

INSPECTION & MAINTENANCE

WARNING! Disconnect the LED light fixture from mains before performing any maintenance or repairs.

WARNING! Do not connect or disconnect the LED light fixture under load.

WARNING! Do not open or disassemble the LED light fixture, it contains no serviceable parts inside.

Opening the LED light fixture can be dangerous and will void the warranty.

WARNING! Always wait 20- 30 minutes for the LED light bars to cool down.

MAINTENANCE

- Clean with warm water and cloth.
- Do not clean the LED light fixture with detergents, abrasives or other aggressive substances.
- Please regularly check the LED light fixture for dust or dirt buildup. Clean if necessary. Contamination may cause overheating and decreased performance.
- **REGULARLY CHECK THE CABLE CONNECTIONS OF THE LED LIGHT FIXTURE TO ENSURE IT IS UNDAMAGED.**

INSTALLATION

WARNING

READ THOROUGHLY BEFORE INSTALLATION

WARNING! FIXTURES MUST BE GROUNDED and installed in accordance with the National Electrical Code and all local codes. Failure to do so may increase the RISK OF PERSONAL INJURY, PROPERTY DAMAGE, FIRE AND DEATH.

WARNING! Dangerous voltage exists within the unit and all precautions usually observed in handling high voltage equipment should be observed when replacing light engine or otherwise servicing luminaires. Disregarding this warning could result in electrical shock and possible injury to the individual installing or servicing this equipment. Installation, service and maintenance of luminaires should be done by a qualified licensed electrician.

CAUTION!

To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards please read all warnings and instructions included with and on the fixture box and all fixture labels.

▲ NOTE!

- This equipment is only for professional installation. Non-professional personnel shall not remove or install the equipment.
- To avoid damage, falling, electric shock or fire, please do not modify the lamp or replace accessories without confirming with the supplier.
- Maintenance/installation and replacement the lamps, please confirm to cut off the power supply, and the lamps have set up a cooling. Please make sure the lamps properly installed before processing power.
- Ensure the accurate and reliable connection.
- Ensure that the product around the vent, the lamp cannot violate any fire prevention regulations when using.

Carefully read these instructions before installing product and keep it for future reference. If you do not understand these instructions, before starting any work, contact Service@hi-groplanner.com or (855) 688-7879.



INSTALLATION INSTRUCTIONS

(Be sure that the light fixture is unplugged from the power source before installation.)

STEP 1:

Carefully turn the fixture over and attach 4 small carabiners to the mounting hooks and connect with Adjustable Rope Ratchet.

STEP 2:

For daisy chain fixture, please insert the quick lock bolt into the marked position and insert the daisy chain cord into the marked position.

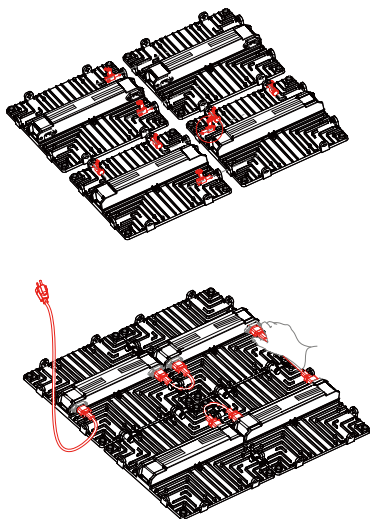
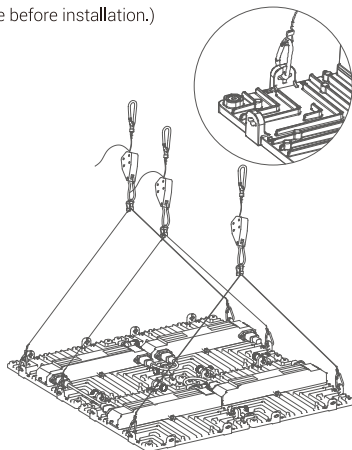
STEP 3:

Mount the system to something that can hold the weight of the LED fixture. Hang the fixture in required position and height. Ensure the fixture is hung horizontally.

STEP 4:

Plug the main cord into the socket on the driver bar. Then installation is completed.

NOTE: The maximum wattage is 900W for daisy-chained fixture.



Plug the quick-lock bolt into the hole

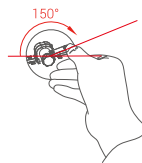


Rotate the quick-lock bolt counterclockwise by 90°



Insert the bolt pin into the notch

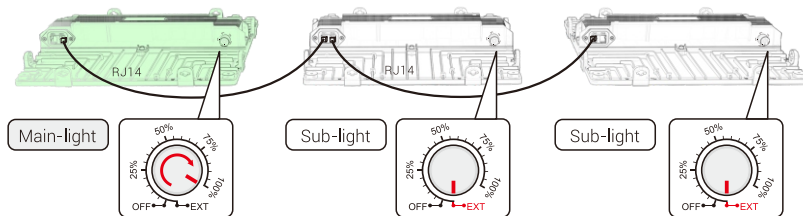
Rotate the quick-lock bolt clockwise for more than 150° to fix it



INSTALLATION & ACCESSORIES

Multi-lights Connection

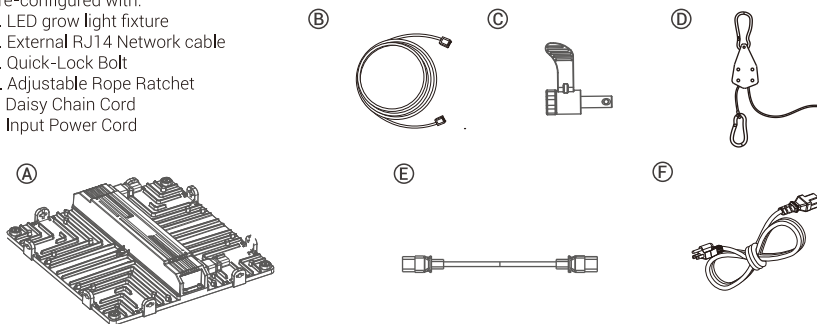
Choose one as main-light, others as sub-lights, connect multiple lights with RJ14 cable(support up to 100 panels), please rotate the dimmable knob of sub-lights to "EXT", then turn on the dimmer switch of the main-light to control the brightness of all lights.



List of Grow Light Accessories

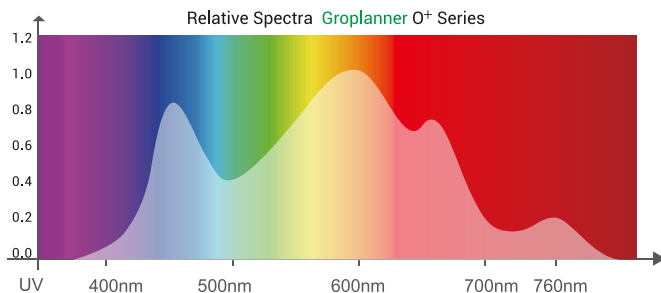
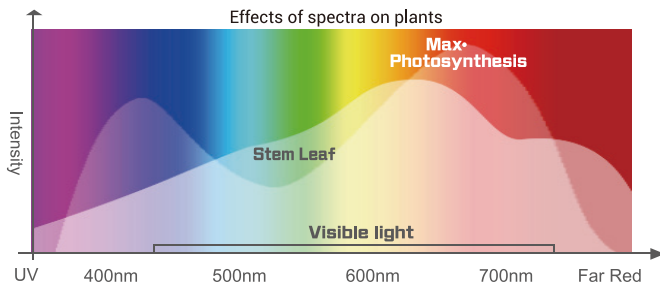
Pre-configured with:

- A. LED grow light fixture
- B. External RJ14 Network cable
- C. Quick-Lock Bolt
- D. Adjustable Rope Ratchet
- E. Daisy Chain Cord
- F. Input Power Cord



Accessories	150W	300W	450W	600W
lamp body	1PACK	2PACK	3PACK	4PACK
Input power cord(6.5ft)	1	1	1	1
Daisy chain cord	0	1	2	3
Adjustable Rope Ratchet	2	4	6	8
Adjustable pulley systems(6.5ft)	2	4	6	8
Quick-look bolt	0	2	4	8
External RJ14 Network Cable	0	1	2	3

SPECTRUM & PLANTING GUIDANCE



Planting Guidance

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

SUGGEST HANGING DISTANCE:

Vegetative: 18-24inch

Flowering: 12-18inch

SUGGEST LIGHTING TIME:

Vegetative: 18/6(on/off)

Flowering: 12/12(on/off)

WARRANTY

Subject to the terms and conditions specified in this Limited Warranty, Groplanner Lighting, a LED light fixture company, warrants that lights purchased directly from Groplanner will be free from defects in material and workmanship until the earlier of 36 months from the date of purchase.

Terms and Conditions:

1. The products can be returned within 30 days from the date of receipt, but please also ensure the integrity of the products and the return will not affect their secondary sales. The used or installed products can't be returned due to non-quality problems (dislike or no longer need). If there is any objection, please contact the seller;
2. If there are any quality problems in 30 days to 1 year from the date of receipt of the product, please contact Groplanner with photos or videos of showing product problems, and Groplanner will cover all warranty costs (including replacement, maintenance and shipping cost);
3. If there are any quality problems over one year from the date of receipt, please contact Groplanner for warranty with photos or videos of showing product problems and Groplanner will provide maintenance services. The seller shall bear the relevant expenses, and the specific expenses shall be subject to the seller's instructions.
4. If the malfunction or damage of the products is caused by transportation, the buyer needs to contact us and provide evidence (video & pictures) within 15 days from the date of receiving. Providing the buyer fails to do so or no longer replies us in 15 days after contact, the buyer will be responsible for any loss.

How to Make a Warranty Claim

1. In order to make a warranty claim, you must notify groplanner lighting in writing after your discovery of the defect, provide proof of purchase such as the order number and comply with other warranty requirements. Upon receiving that notice, to ascertain why fixtures stop working, evidences would be needed for groplanner lighting's team to analyze. Groplanner Lighting may require you to promptly return the product when necessary, freight prepaid.
2. The determination of whether the product is defective shall be made by Groplanner Lighting in its sole discretion with consideration given to the overall performance of the product.
3. If Groplanner Lighting determines the product is defective, Groplanner Lighting will elect, in its sole discretion, repair the product or replace the product. The seller has the sole right to interpret and amend the above articles

NOTE:

All returns must happen within 30 days of the receipt of that product or hi-groplanner.com has the right to refuse the return.

1. Guidelines for items conditional return:
2. Item must be in original packaging;

WARRANTY

The Following Conditions Will Not Be Warranted:

1. Damage caused by user's improper delivery, defects caused by wrong operation and wrong treatment.
2. Dismantling or improper maintenance or repairing of the products without Groplanner's authorization.
3. Damage caused by buyer or installer using bad quality cable or other mismatching electronic parts.
4. Damage caused by force majeure such as war, riots, sabotage, cyclones, earthquakes, flooding, lighting strikes, explosions, fire, etc.
5. This warranty is invalid if the product is not used for the purpose for which is originally designed.

The seller has the sole right to interpret and amend the above articles.



AFTER-SALES SERVICE CARD

Web: hi-groplanner.com Email: service@hi-groplanner.com Tel: +1(855)6887879

If you need any help or have any questions. please contact us.

Order Number: _____ Light Model: _____

Name: _____ Email: _____

Problem: _____ Date Of Manufacture: _____



www.hi-groplanner.com

Groplanner LED Grow Lights
Help You Get More of What You Plant

If you need more information about our lights,
please email us or call us

Email: sales@hi-groplanner.com
Toll-free number +1(855) 688 7879