

# VIVOSUN



## VS LED Grow Light

### USER MANUAL

# Love what you grow™

Welcome to **VIVOSUN**

Thank you for choosing VIVOSUN. We are committed to product quality and friendly customer service. If you have any questions or suggestions, please don't hesitate to contact us.



## PRODUCTS INCLUDED IN THIS MANUAL:

| Product          | Model   | SKU       |
|------------------|---------|-----------|
| VS1000 LED 100W  | VS1000  | LED-100NJ |
| VS1500 LED 150W  | VS1500  | LED-150   |
| VS2000 LED 200W  | VS2000  | LED-200J  |
| VS3000 LED 300W  | VS3000  | LED-300   |
| VS4000 LED 400W  | VS4000  | LED-400J  |
| VS1000E LED 100W | VS1000E | VS1000E   |

# CONTENTS

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# SAFETY INFORMATION



Please read the following information carefully before using. Failure to observe these safety instructions may result in serious injury and will release VIVOSUN of all liability and void all product warranties.

**Handling:** Set up the light in an operating environment that allows for adequate air circulation. Never allow objects to obstruct or enter the ventilation openings. Avoid looking directly at the lights, when they are turned on. Use shielding and grow room glasses to protect your eyes.

**For Indoor use Only:** DO NOT devices in this kit outdoors or in any hazardous location such as near flammable, explosive, corrosive chemicals, or in wet environments. Appropriate temperature range: -20 °C to 40 °C (-4 °F to 104 °F).

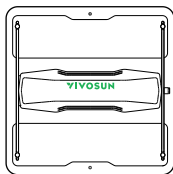
**Power Cord:** Your AC cord has a three-wire grounding plug (a plug that has a grounding pin). This plug fits only a grounded AC outlet. If you're unable to insert the plug into an outlet because the outlet isn't grounded, contact a licensed electrician to replace the outlet with a properly grounded one.

**Repairs:** If there is something wrong with your light, please contact us. Opening the light to inspect or repair in accordance with VIVOSUN's instructions and express permission will not affect your existing warranty. However, if you disassemble the light or install add-ons inside without express permission from VIVOSUN, you may damage the light and void warranty.

**Cleaning:** DO NOT use water or any detergent to clean this product.

# PRODUCT CONTENTS

VS1000/VS1500/VS2000/VS3000/VS4000



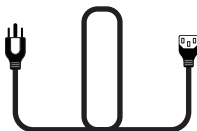
LED Grow Light  
x 1pc



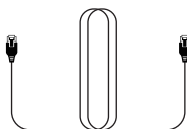
Rope Hanger  
x 2pcs



Grow Room Glasses  
x 1pc



Power Cord  
x 1pc



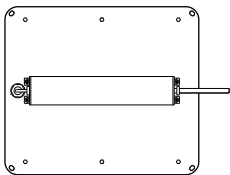
RJ11 Network Cable  
x 2pcs



RJ11 3-Way  
Cable Splitter  
x 1pc

# PRODUCT CONTENTS

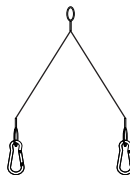
VS1000E



LED Grow Light  
x 1pc



Rope Hanger  
x 2pcs

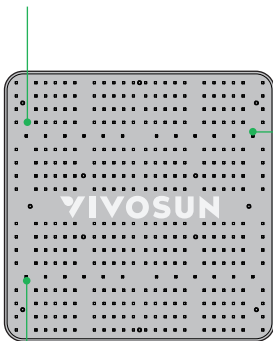


Wire Ropes  
x 2pcs

# KEY FEATURES

## SAMSUNG LED DIODES

Powered by Samsung high-efficiency diodes for horticulture at perfect spectrum.

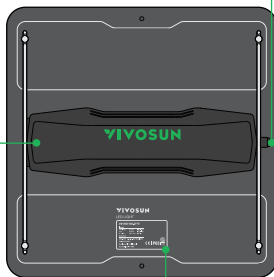


## FULL SPECTRUM & FR

380-780nm of full spectrum coverage with 450nm, 660nm and 730nm rich for photosynthesis.

## HIGH EFFICACY

High-quality diodes and power supply mean high PPE, up to 2.7 umol/J.



## MULTIPLE LIGHTS CONTROL

1 light can control up to 20 lights with RJ11 serial connection.

## DIMMING CONTROL

0-100% light dimming for different growing stages (except VS1000E).

## CERTIFICATION

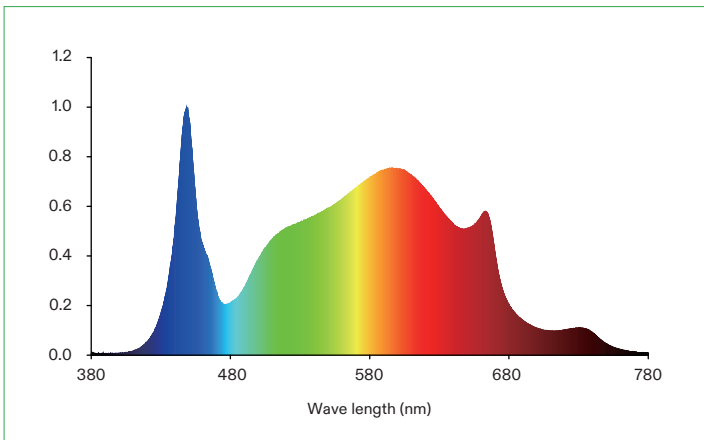
ETL, CE, FCC certifications and waterproof of IP65.

# SPECIFICATIONS

|                | VS1000   | VS1500               | VS2000              | VS3000                | VS4000                | VS1000E              |
|----------------|--|----------------------|---------------------|-----------------------|-----------------------|----------------------|
| LED Source     | Samsung LM301D                                   |                      |                     |                       |                       | Samsung LM281B+ pro  |
| Spectrum       | Full spectrum: 380 – 780nm; rich 660nm and 730nm |                      |                     |                       |                       |                      |
| Input Voltage  | 120-277V   |                      |                     |                       |                       |                      |
| Frequency      | 50-60Hz  |                      |                     |                       |                       |                      |
| Power Factor   | >0.9   |                      |                     |                       |                       |                      |
| Input Power    | 100W   | 150W                 | 200W                | 300W                  | 400W                  | 100W                 |
| Dimensions(L)  | 11.8"/30cm                                       | 14.2"/36cm           | 23.5"/60cm          | 19.7"/50cm            | 23.5"/60cm            | 11.8"/30cm           |
| Dimensions(W)  | 11.8"/30cm                                       | 14.2"/36cm           | 11.8"/30cm          | 19.7"/50cm            | 23.5"/60cm            | 10.2"/26cm           |
| Dimensions(H)  | 2.36"/6cm  | 2.95"/7.5cm          | 2.95"/7.5cm         | 3.23"/8.2cm           | 3.23"/8.2cm           | 1.69"/4.3cm          |
| Weight         | 3.22 lbs.<br>/1.46kg                             | 5.42 lbs.<br>/2.46kg | 9.03 lbs.<br>/4.1kg | 10.93 lbs.<br>/4.96kg | 17.46 lbs.<br>/7.92kg | 2.98 lbs.<br>/1.35kg |
| Dimming        | 25%/50%/75%/100%/OFF/EXT                         |                      |                     |                       |                       | N/A                  |
| Lifetime       | L90>50,000 hours                                 |                      |                     |                       |                       |                      |
| Certifications | ETL, CE, FCC, and IP65 waterproofing             |                      |                     |                       |                       |                      |
| Warranty       | 5-Year Standard Warranty                         |                      |                     |                       |                       |                      |

# SPECIFICATIONS

## SPECTRUM





# APPLICATION

## SUGGESTED HANGING DISTANCE & SUGGESTED LIGHTING TIME

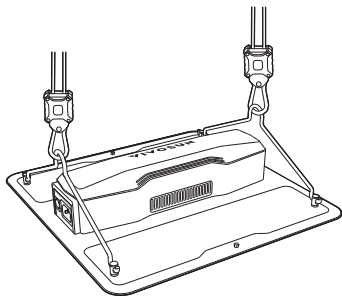
| Stage  | Distance   |                  | Time        |
|--|------------|------------------|-------------|
|  | Inch (In.) | Centimeter (cm.) |             |
| Germination  | 24-30      | 61-76            | 18 Hours ON |
| Seeding  | 24-30      | 61-76            | 16 Hours ON |
| Veg  | 18-24      | 46-61            | 18 Hours ON |
| Flower   | 12-18      | 30-46            | 12 Hours ON |
| Note: This suggestion is for reference only, and can be freely adjusted according to the actual situation. |            |                  |             |

Set the LED power on high and place the light further away from your plants to cover a wider area, or set the LED at a lower power and place the light closer to your plants for less coverage but a more eco-friendly solution.

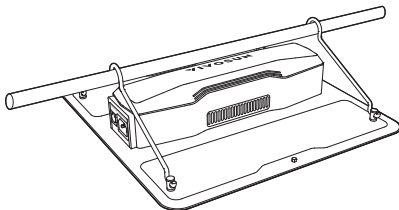
# INSTALLATION

## INSTALLATION OPTIONS (VS1000/VS1500/VS2000/VS3000/VS4000)

1. Pass the rope hangers through the LED's hooks, and then fix the other end of rope hangers to the ceiling.



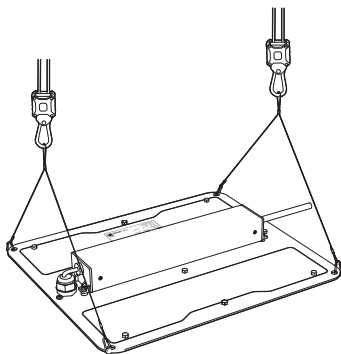
2. Remove the hooks from the LEDs, then fit them onto the ceiling bracket before installing them back onto the LED.



# INSTALLATION

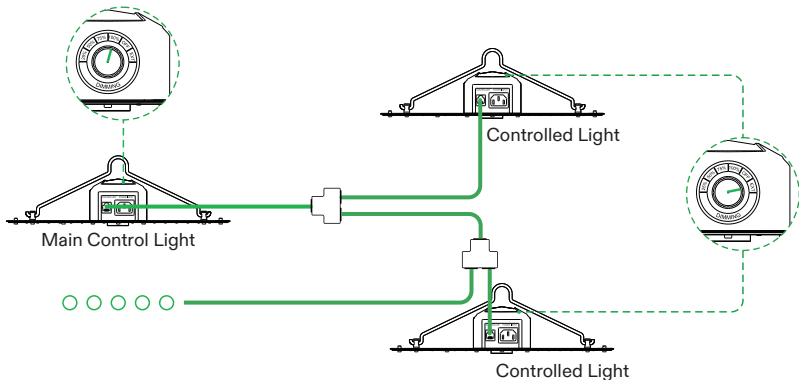
## INSTALLATION OPTIONS (VS1000E)

1. Pass the rope hangers through the LED's hooks, and then fix the other end of rope hangers to the ceiling.



# INSTALLATION

## CONNECTING MULTIPLE LIGHTS



Choose a light as the master Light (A) and use the RJ11 cables and cable splitter to connect other lights (B, C) as the controlled Lights as showed above. Turn the dimming knob to the "EXT" on the controlled light (B, C) and they will be controlled by the master light (A). A master light can control up to 20 lights.

**Note:** Ensure all the controlled lights turned to "EXT" and work normally. If connected to a timer, ensure the total power of all the lights (including the master light and controlled lights) conform the rated power of the timer.

VS1000E does not support multiple light connections.

# WARRANTY INFORMATION

1. We offer a 5-year warranty against manufacturing defects for all of our products from the date of purchase. If you need warranty assistance, please contact us as soon as possible.
2. The warranty does not cover damage due to high moisture levels, water damage, power surges, improper hanging/mounting, improper use, dust build-up, or users' unauthorized modifications.
3. In the USA, if any light ceases working within 30 days of use, you can choose:  
(A) Exchange: We will email you a pre-paid return label. Please ship the light back to our USA warranty center and a replacement will be sent to you free of charge as soon as we receive the defective product.  
(B) Refund: We will email you a pre-paid return label. Please ship the product to our USA warranty center and we will issue a refund as soon as the light has been received. Refund periods may depend on the processing time of your bank or institution-usually, a refund takes about 5 business days to be processed.
4. Our company reserves all rights to the final explanation of this warranty structure. If you have any questions about our warranty policy, please contact us.

Designed by **VIVOSUN** in California.  
Made in PRC