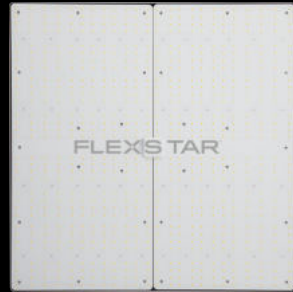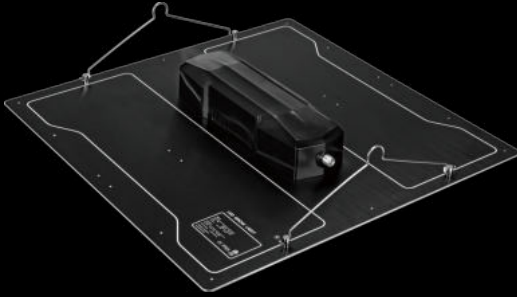# FLEXSTAR®

480W DIMMABLE
LED GROW LIGHT
INSTRUCTION MANUAL

FLEXSTAR™ 480W DIMMABLE
LED GROW LIGHT INSTRUCTION MANUAL

IMPORTANT SAFETY INFORMATION

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

Important safety information:

Handling. Set up our light in the operating environment that allows for adequate air circulation. Never let objects into the ventilation openings.

Indoor use only. Non-waterproof, protect your lights from dampness. Do not expose to water drip or spray. Do not expose the lights to physical harm such as impact or severe environmental conditions. Working temperature is -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.
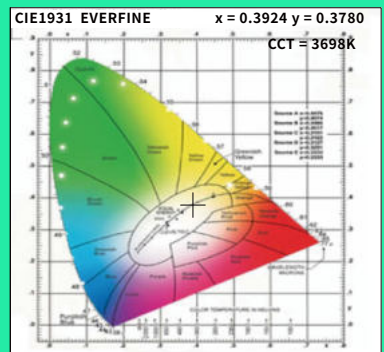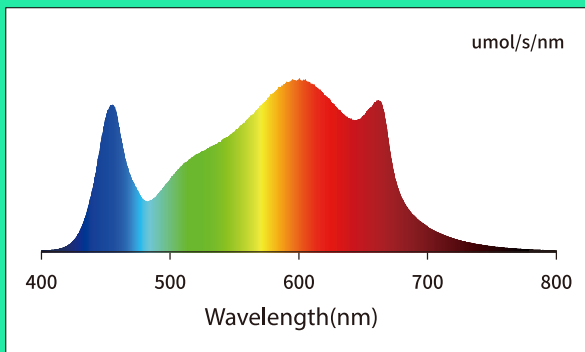
Repairing. If there is something wrong with your light, please contact us. Opening the light to inspect or repair with permission will not affect your existing warranty. However, if you open the light or install items in it without our permission, you risk damaging your light. This type of damage isn't covered by the limited warranty.

Cleaning. When cleaning the outside of your light and its components, first shut down your light, then unplug the power cord. Then dampen a clean, soft, lint-free cloth to wipe the light. Avoid allowing moisture in any openings.

Warning. LED grow lights can cause eye damage. Avoid looking directly at the lights when they are on. Use shielding and light blocking glasses to protect your eyes.
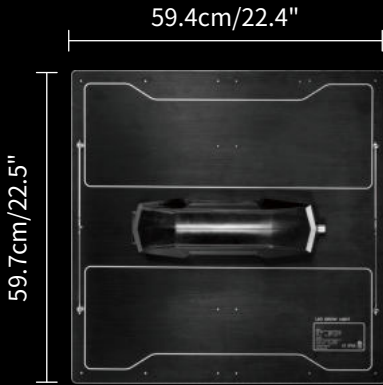
PHOTOSYNTHESIS
Output Spectrum Test Report

PACKAGE INCLUDES
1 x 480W LED Grow Light

1 x Power Cord

1 x Unstruction Manual

2 x RJ11 3 Way Telephone Cable Splitter

2x 1.5M Telephone Wire

DIMENSIONS

59.4cm/22.4"

59.7cm/22.5"

[TOP VIEW]

12.5cm/4.9"

[FLAT VIEW]

SPECIFICATIONS

Light Source	Samsung LM301H
Spectrum	Full Spectrums; 380nm-780nm, rich 660nm
Input power	480W/100-277V
Frequency	50-60HZ
Fix Dimensions	23.5"Lx23.4" Wx4.9" H 59.7cm L x59.4cm Wx12.5cm H
Weight	20.9lbs/9.5kg
Energy Efficiency	2.4umol/J
Dimming	40%/ 50%/ 60%/ 80%/ 100%/ EXT(0-10V)/ OFF
Lifetime	L90: >54000hrs
Power Factor	>92%
Certifications	ETL&CE&IP65
Warranty	3 Year Standard Warranty

MAX AMPERAGE VOLTAGE SERVICE

VOLTAGE	120V	208V	240V	277V
AMPERAGE	3.330A	1.923A	1.666A	1.444A

APPLICATION
SUGGESTED HANGING DISTANCE & SUGGESTED LIGHTING TIME

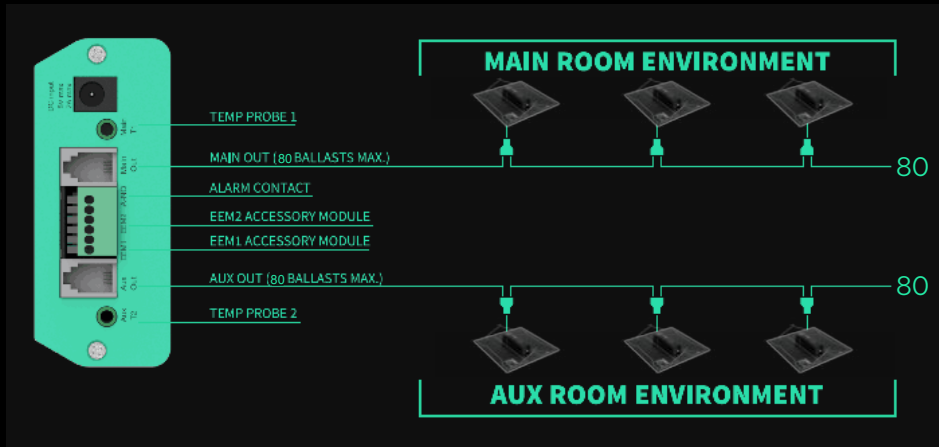| Stage	Distance		Time	Wattage
	Inch（In）	Centimeter（CM）		
Germination	24-30	61-76	18 Hours ON	50%
Seeding	24	61	16 Hours ON	50%-75%
Veg	18-24	46-61	18 Hours ON	75%-100%
Flower	12-18	30-46	12 Hours ON	100%
Note: This suggestion is for reference only, and can be freely adjusted according to the actual situation.				

Set at high power of LED and high away from the plant, it covers more area.
Or set to a lower power and close to the plant, it covers less but is more eco-friendly.
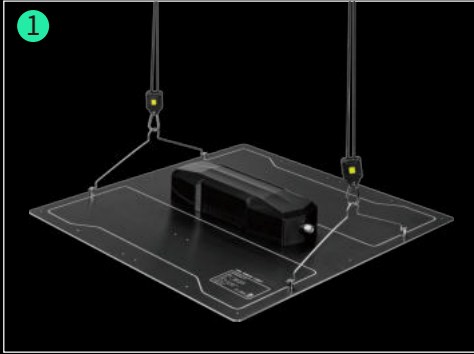
CONNECTING UP TO 160 LED FIXTURES

A group of up to 80 Vivosun LED fixtures can be connected to both the main RJ11 port and the auxiliary RJ11 port of the controller.
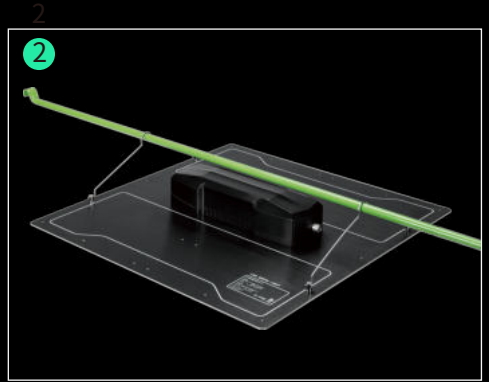

- Switch the rotary knob on all flexstar LED Fixtures to "EXT" [external control].
- Plug the RJ11 end of one of the provided controller cables into the RJ11 main port of the controller.
- If a two room setup is used or if more than 80 LED fixtures have to be connected, plug a second controller cable in the RJ11 aux port.
- Plug the RJ11 end of the controller cable[s] into the input of a RJ11 splitter. Use an interconnect cable to connect one output of the RJ11 splitter to the RJ11 port of the LED fixture.
- Use an interconnect cable to connect one output of the RJ11 splitter to the input of the following RJ11 splitter.
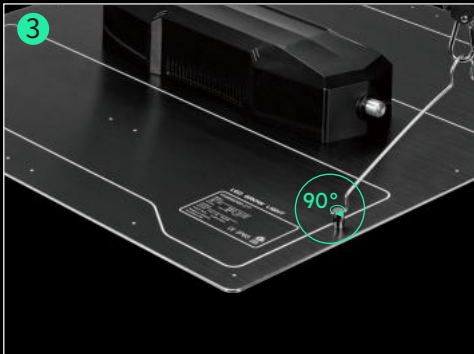- Repeat this process to connect up to 80 LED fixtures per group.

INSTALLATION

1. Use rope hanger to pass through the hook of the LED, and then fix the other end of rope hanger on the ceiling of the greenhouse.

2.Take off the LED hook, then put the hookon the bracket, and then install the LED.

3. The hook can be rotated 90 degrees.

90°

WARRANTY TERMS

1. We offer three years' warranty for all of our products purchased against manufacturing defects, 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, power surges, improper hanging/mounting, improper use, dust build-up or user modifications.

3. In the USA, if any lights stop working within 30 days, you can choose:
(A) Exchange. We will email you a pre-paid return label, please ship the light back to our USA warranty center. A replacement will be sent to you for free as soon as we receive the defective light.
(B) Money back. We will email you a pre-paid return label, please ship the light back to our USA warranty center. You will get your money back as soon as we receive the defective light.

4. Our company reserves all the rights for final explanation of this warranty structure. If you have any questions about our warranty policy, please contact us.

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