



AeroLight SE

USER MANUAL

Love what you grow™

Welcome to **VIVOSUN**

At Vivosun, quality craftsmanship and innovation are at the core of every product we create. Should you require further support or wish to share any suggestions, please don't hesitate to contact us.

PRODUCTS INCLUDED IN THIS MANUAL:

Product	SKU
AeroLight A100 SE	VSA100SE
AeroLight A150 SE	VSA150SE
AeroLight AW200 SE	VSAW200SE
AeroLight AW400 SE	VSAW400SE
AeroLight A100 SE (with E25)	VSA100SE-E25
AeroLight A150 SE (with E25)	VSA150SE-E25
AeroLight AW200 SE (with E25)	VSAW200SE-E25
AeroLight AW400 SE (with E25)	VSAW400SE-E25

CONTENTS

Safety Information	1
Key Features	3
Product Contents	5
Smart Grow System	7
Spectrum	8
Dimensions	9
Specifications	13
Installation	14
Application	24
Warranty Information	25
FCC ID Statement	26

SAFETY INFORMATION



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

IMPORTANT SAFETY INFORMATION:

Handling: Set up the AeroLight in an operating environment that allows for adequate air circulation. Never allow objects to obstruct or enter the ventilation openings.

For Indoor Use Only: Protect your lights from moisture. Do not expose to dripping water or spray. Do not expose the lights to potential physical damage such as impacts or severe weather conditions. Acceptable operating temperatures range from -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.

SAFETY INFORMATION

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 run the risk of damaging your light in a manner that is not covered by the warranty.

Cleaning: When cleaning the exterior 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 down. Avoid allowing any moisture in any openings. DO NOT use water or any detergent to clean this product.

Warning: DO NOT look directly at the lights when they are turned on. Use shielding and light blocking glasses to protect your eyes.

Warning: DO NOT put objects into the fan blades.

Warning: DO NOT cover the fan. DO NOT spray on the fan.

Warning: DO NOT put fingers or objects into the gaps between the light boards.
(VSAW200SE/VSAW400SE)

Warning: DO NOT touch the LED diodes when adjusting the light board. DO NOT adjust the angle of the light boards over their limitations. (VSAW200SE/VSAW400SE)

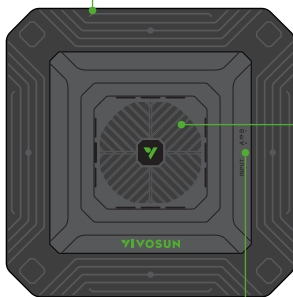
If the light source of this luminaire is damaged, it must be replaced exclusively by the manufacturer, their authorized service agent, or a similarly qualified professional to avoid potential hazards.

KEY FEATURES

VSA100SE/VSA150SE

2-IN-1 GROW LIGHT

Patented grow light design with integrated highly efficient circulation fan.

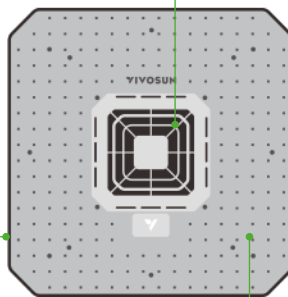


BETTER CIRCULATION

Strategically placed central fan promotes exceptional air circulation, ensuring optimal CO₂ levels and proper humidity control for your plants.

UNIFORM LIGHT & AIR

Innovative hollow light design and integrated wind guide ensure uniform light penetration and air circulation across your entire plant canopy.



SMART CONTROL

Smart settings for LEDs and fan such as sunrise/sunset and natural wind mode via the GrowHub Controller.

FULL SPECTRUM

Full-spectrum sunlike lighting with far-red lighting; offers greater spectral range and energy conversion for your plants with maximum PAR output at various distances.

FR-ENHANCED

High-efficiency white Samsung LEDs combined with precise 660nm deep red and 730nm far red LEDs to optimize plant growth.

KEY FEATURES

VSAW200SE/VSAW400SE

2-IN-1 GROW LIGHT

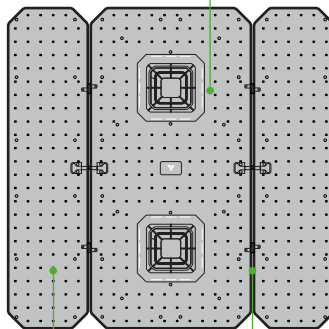
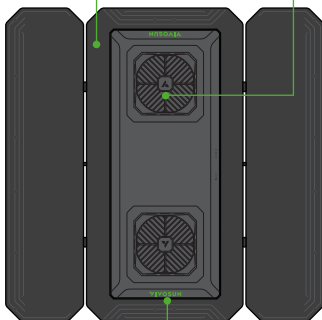
Patented grow light design with integrated highly reliable circulation fan.

BETTER CIRCULATION

With the central placement of the fan you have better air, CO₂ circulation, and humidity.

UNIFORM LIGHT & AIR

Creative light design and wind guide provide uniform light and wind on plants' canopy.



SMART CONTROL

Smart settings for LEDs and fan like sunrise/sunset and natural wind via the GrowHub Controller.

FULL SPECTRUM

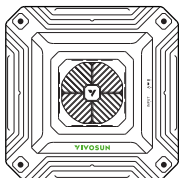
Full-spectrum unlike lighting with far-red lighting; offers greater spectral range and energy conversion for your plants with maximum PAR output at various distances.

FOLDABLE

Foldable design with 2 angle-adjustable wings provides various, flexible light coverage.

PRODUCT CONTENTS

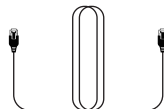
VSA100SE/VSA150SE



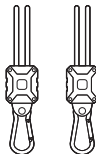
LED Light
x 1pc



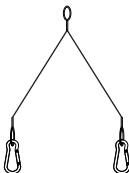
Power Cord
x 1pc



RJ45 Network Cable
x 1pc



Rope Hanger
x 2pcs



Wire Ropes
x 2pcs

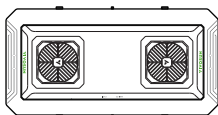


GrowHub E25
Controller*
x 1pc

* GrowHub E25 is included in VSA100SE-E25/VSA150SE-E25

PRODUCT CONTENTS

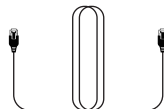
VSAW200SE/VSAW400SE



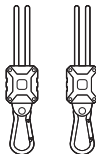
LED Light
x 1pc



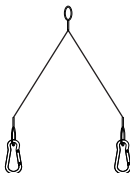
Power Cord
x 1pc



RJ45 Network Cable
x 1pc



Rope Hanger
x 2pcs



Wire Ropes
x 2pcs



GrowHub E25
Controller*
x 1pc

*GrowHub E25 is included in VSAW200-E25/VSAW400SE-E25



AeroZesh



AeroLight



AeroStream



AeroWave



E42A



A22



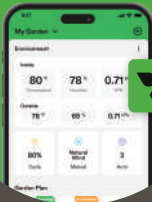
AeroLab



Grow Light



E25



Vivosun GrowHub®

Select one or more GrowHub controllers to connect your devices.



Connect & Control other brand devices using GrowHub



ON/OFF control on general devices

VIVOSUN

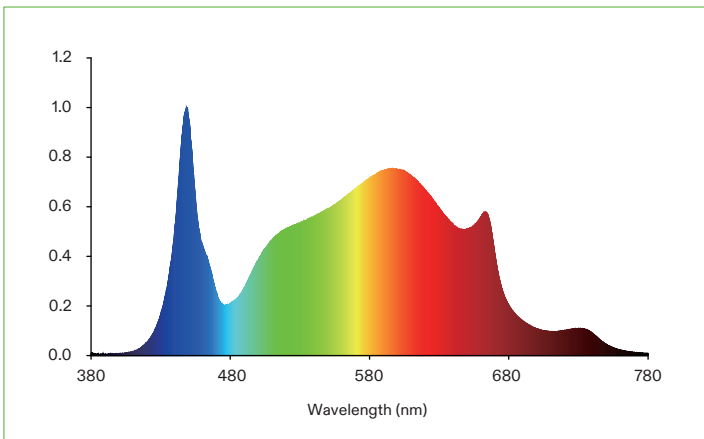


Smart Grow System

Connect all devices through GrowHub & the APP

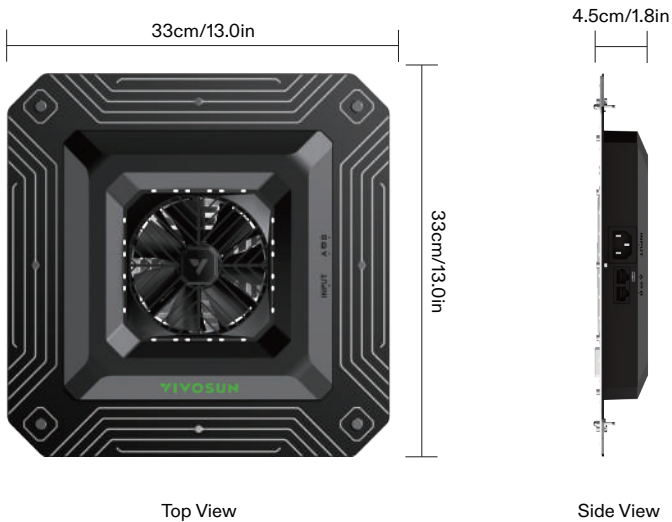
SPECTRUM

The AeroLight SE is a full-spectrum device, covering all stages of plant growth.



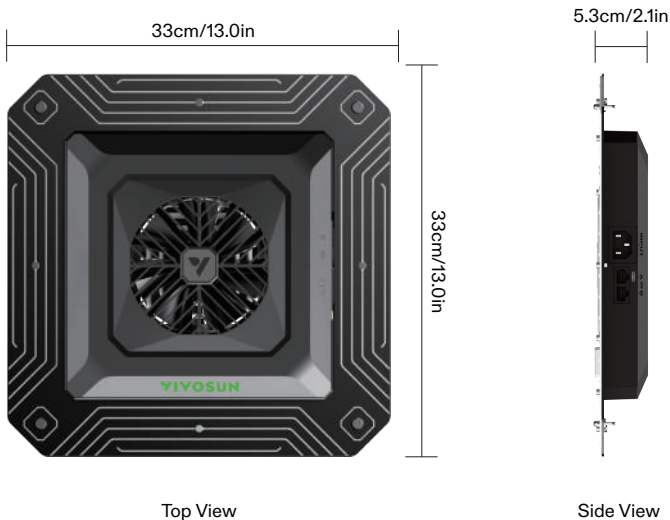
DIMENSIONS

VSA100SE



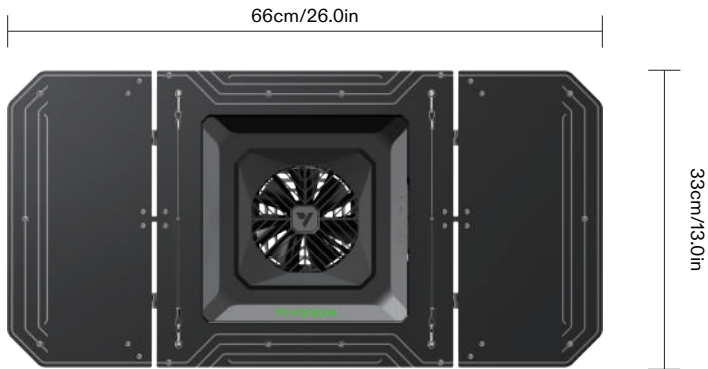
DIMENSIONS

VSA150SE



DIMENSIONS

VSAW200SE



Top View



Side View

DIMENSIONS

VSAW400SE



Top View



Side View

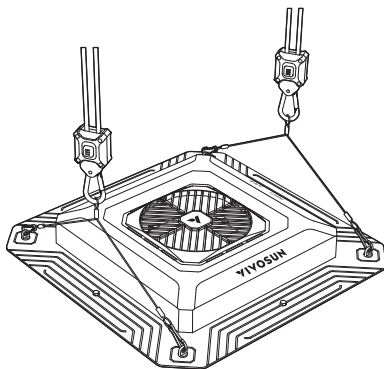
SPECIFICATIONS

		VSA100SE	VSA150SE	VASW200SE	VSAW400SE
Dimensions		13"L x 13"W x 1.8"H 33cm x 33cm x 4.5cm	13"L x 13"W x 2.1"H 33cm x 33cm x 5.3cm	26"L x 13"W x 2.3"H 66cm x 33cm x 5.8cm	26"L x 26.4"W x 2.2"H 66cm x 67cm x 5.6cm
Weight		5.1 lb./2.32 kg	5.7 lb./2.58 kg	6.9 lb./3.11 kg	12.5lb./5.69kg
Input Voltage		120-240Vac/50-60Hz			
Power Factor		>0.9			
Input Power		100W	150W	200W	400W
Light	LED Source	Samsung 2835 White with 660nm Deep Red & 730nm Far Red			
	Spectrum	Full spectrum; 380nm-780nm, rich 660nm			
	Light Distribution	120°		Adjustable	
	Dimming	20%-100%/OFF (via GrowHub and VIVOSUN app)			
Fan	Bearing	Dual Ball Bearing			
	Speed	2200 RPM.			
	Airflow	84 CFM		168 CFM	
	Noise Level	33 db(A)			
Daisy Chaining		up to 12 Lights (via GrowHub)			
Lifespan		>50,000 hours			
Certifications		ETL,CE,FCC and IP65			

INSTALLATION

STEP 1

Attach the wire ropes to the frame of the AeroLight SE. Next, clip the carabiners of the rope hangers to the wire ropes.



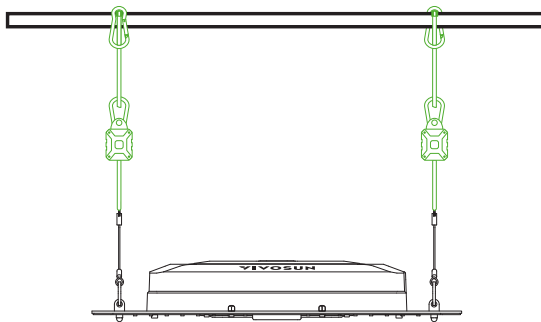
INSTALLATION

STEP 2

Loop the other end of the rope hangers around the crossbeam as shown in the diagram. Lock the carabiners to the rope to secure the grow light to the pole.

STEP 3

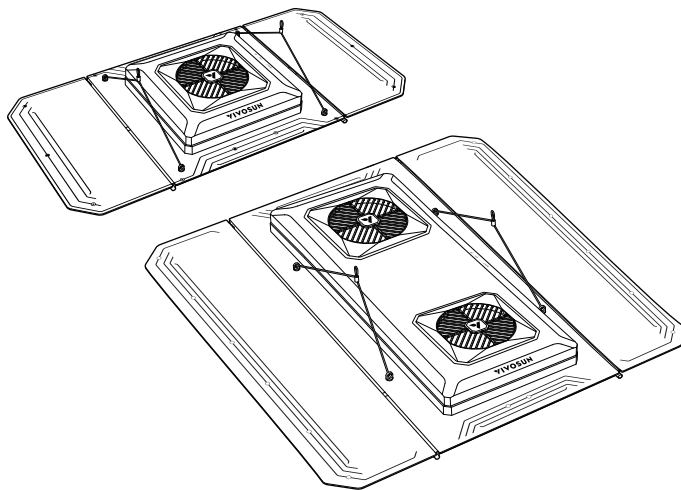
Adjust the height of your grow light by pressing the buttons on the rope hangers and lifting until you find the correct height for your grown light .



INSTALLATION

STEP 4

For VSAW200SE & VSAW400SE, please unfold the light board and adjust to an appropriate angle.



INSTALLATION

VSAW200SE/VSAW400SE

ADJUSTING THE LIGHT DISTRIBUTION

Adjust the angle of the light board on the side to change the light distribution for larger coverage or higher light intensity for different grow stages.



STANDARD

Standard light coverage and uniformity.

WIDTH

Larger light coverage with more light for plants on the sides of your lights through improved coverage area. Better for seedling and vegetative stages of growth.

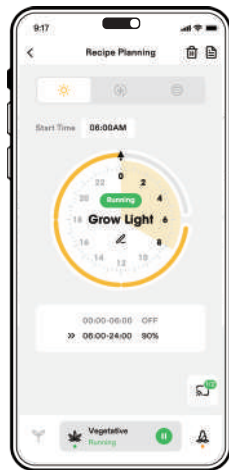
NARROW

Higher light intensity with smaller light coverage. Better for the flowering stage of growth.

INSTALLATION

Search "VIVOSUN" in the Apple App Store or in the Google Play Store to download the VIVOSUN App. With the VIVOSUN App, you can check and control your AeroLight SE from anywhere in the world—whether you are on your couch, visiting your family, or traveling abroad.

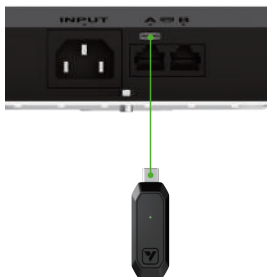
1. Remote control the devices with manual or cycling mode.
2. Grow Recipes: Enables you to set your lights, circulation fans, and duct fans based on different growth stages. The recipes provided in the VIVOSUN App are created by professional growers. All you have to do is click "apply" and the VIVOSUN SGS will take care of the rest.



INSTALLATION

GrowHub E25 Installation

Insert E25 to the type C port of AeroLight SE. E25 will enter Wi-Fi configuration mode automatically.

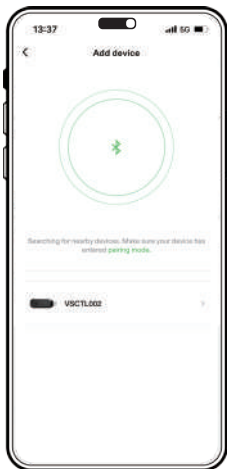


INSTALLATION

Wi-Fi Configuration

During Wi-Fi configuration, the Green LED will flash quickly. Follow the Wi-Fi configuration instructions on the VIVOSUN App – Make sure there is a 2.4G Wi-Fi connection and that Bluetooth is enabled on your phone. The controller is not compatible with a 5G Wi-Fi connection.

Step 1:



Step 2:

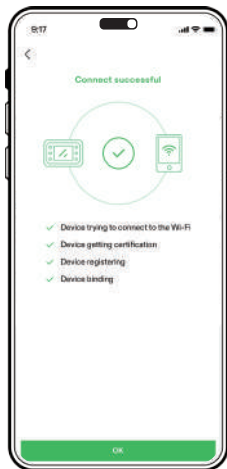


INSTALLATION

Step 3:



Step 4:



INSTALLATION

After Wi-Fi has been successfully configured, the green LED will stop flashing.

A slowly flashing green LED indicates the E25 controller is offline. This means it is not connected to a Wi-Fi network or there is no internet access.

The green LED will continue flashing slowly until a Wi-Fi connection is established.

Status Indicator

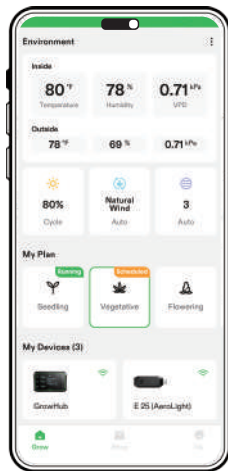
Briefly press the button. If the E25 is functioning properly, the green LED will flash slowly three times.

Reset

Long press the button for 3 second until the green LED is on, then release the button. The green LED will turn off and reset successfully. E25 will restart and enter Wi-Fi configuration mode.

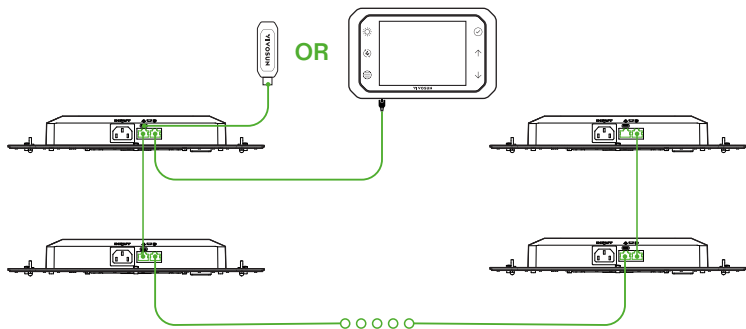
OTA

The green LED will flash fast during OTA.



INSTALLATION

CONNECTION OF CONTROLLER AND MULTIPLE LIGHTS



Connect multiple AeroLight SE lights with RJ45 cables, and the first light to a VIVOSUN GrowHub E42/E25 controller to control all the lights for dimming, and ON/OFF cycle setting. Each light needs to connect to the AC power separately and the GrowHub controller only needs to connect to one AeroLight SE to run. Please see the VIVOSUN GrowHub controller E42 manual for information about light control and more if connected to E42.

APPLICATION

SUGGESTED HANGING DISTANCE & LIGHTING TIME

Product		Seedling	Veg	Early Flower	Late Flower	Tent Size
PPFD Target		150-250	300-500	500-700	700-1000	
Time		18h	18h	12h	12h	
VSA100SE	Distance	24"	18"	12"	12"	2'x2'
	Dimming Level	50%	75%	75%	100%	
VSA150SE	Distance	24"	18"	14"	14"	2'x2'
	Dimming Level	25%	50%	75%	100%	
VSAW200SE	Distance	24"	18"	12"	12"	2'x4'
	Dimming Level	50%	75%	75%	100%	
VSAW400SE	Distance	24"	20"	14"	14"	4'x4'
	Dimming Level	50%	75%	75%	100%	
Distance: Light to canopy distance.						

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 higher energy efficiency.

WARRANTY INFORMATION

VIVOSUN provides a 3-year warranty against defects on all AeroLight SE products purchased directly from us or through our authorized dealers. This policy serves as our commitment to promptly address any manufacturing defects or premature breakage that may occur during normal use of our products.

Our warranty covers the replacement or refund of purchases that exhibit material defects within three years of the original purchase date. In such events, customers may contact us to initiate the claim process. We will need proof of purchase to verify coverage eligibility. This policy does not extend to products that have been misused, abused, or purposefully damaged. It also does not cover normal wear and tear or cosmetic defects such as minor scratches.

Customers can rest assured knowing that our products undergo rigorous quality testing procedures. This 3-year warranty reflects our confidence in the durability of our products under normal use.

If any product defects are found, customers are encouraged to contact us immediately. Your satisfaction is our priority, and we are committed to resolving any issues in a professional and timely manner.

FCC ID STATEMENT

The GrowHub E25 controller complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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