

## VIVOSUN VSA150SE-E25

# VIVOSUN AeroLight A150SE 150W LED Grow Light User Manual

Model: VSA150SE-E25

## INTRODUCTION

Thank you for choosing the VIVOSUN AeroLight A150SE LED Grow Light. This manual provides essential information for the safe and efficient operation of your device. The AeroLight A150SE is designed to provide optimal lighting and air circulation for plant growth, featuring a full-spectrum LED array, an integrated circulatory fan, and smart control capabilities via the VIVOSUN App and GrowHub E25 controller.

## WHAT'S IN THE BOX

- 150W Economic LED Grow Light
- GrowHub E25 Controller

## PRODUCT FEATURES

- **Integrated Circulatory Fan:** Enhances canopy airflow, balances temperature and humidity within the grow space.
- **Full-Spectrum Sunlike Lighting:** Provides an optimal light spectrum (380-780nm, 660nm, 3000K, 5000K) suitable for all stages of plant growth, from germination to flowering.
- **Dimmable Driver:** Allows adjustment of light intensity from 25% to 100%.
- **Smart Control:** Connects with the VIVOSUN Smart Grow System via the GrowHub E25, enabling monitoring and control through the VIVOSUN App.
- **Programmable Operation:** Design custom Grow Recipes for automated plant care.
- **Easy Mounting:** Features pre-installed hanging hooks for secure and flexible positioning above the plant canopy or on tent poles.

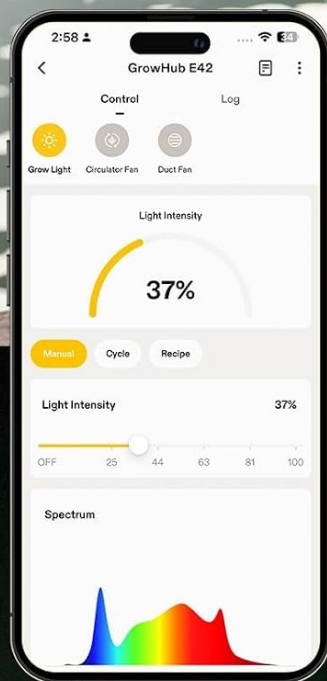
## SETUP INSTRUCTIONS

1. **Unpack Components:** Carefully remove the AeroLight A150SE and GrowHub E25 from their packaging. Inspect all components for any damage.
2. **Mount the Grow Light:** Use the pre-installed hanging hooks to suspend the AeroLight A150SE securely above your plant

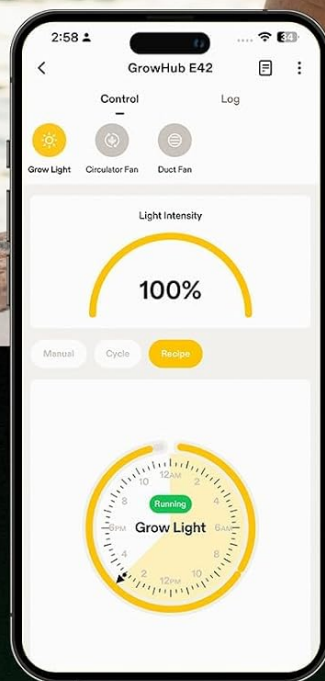
canopy. Ensure the light is level and at the desired height. The light can also be mounted to tent poles for flexible positioning.

3. **Connect the GrowHub E25:** Plug the GrowHub E25 controller into the AeroLight A150SE. Ensure a secure connection.
4. **Power Connection:** Connect the power cord to the GrowHub E25 and then to a suitable power outlet.
5. **App Integration:** Download the VIVOSUN App from your device's app store. Follow the in-app instructions to connect your GrowHub E25 and AeroLight A150SE to your Wi-Fi network.

# Garden in Your Pocket



Anytime, Anywhere



Easy Grow



Grow Recipes

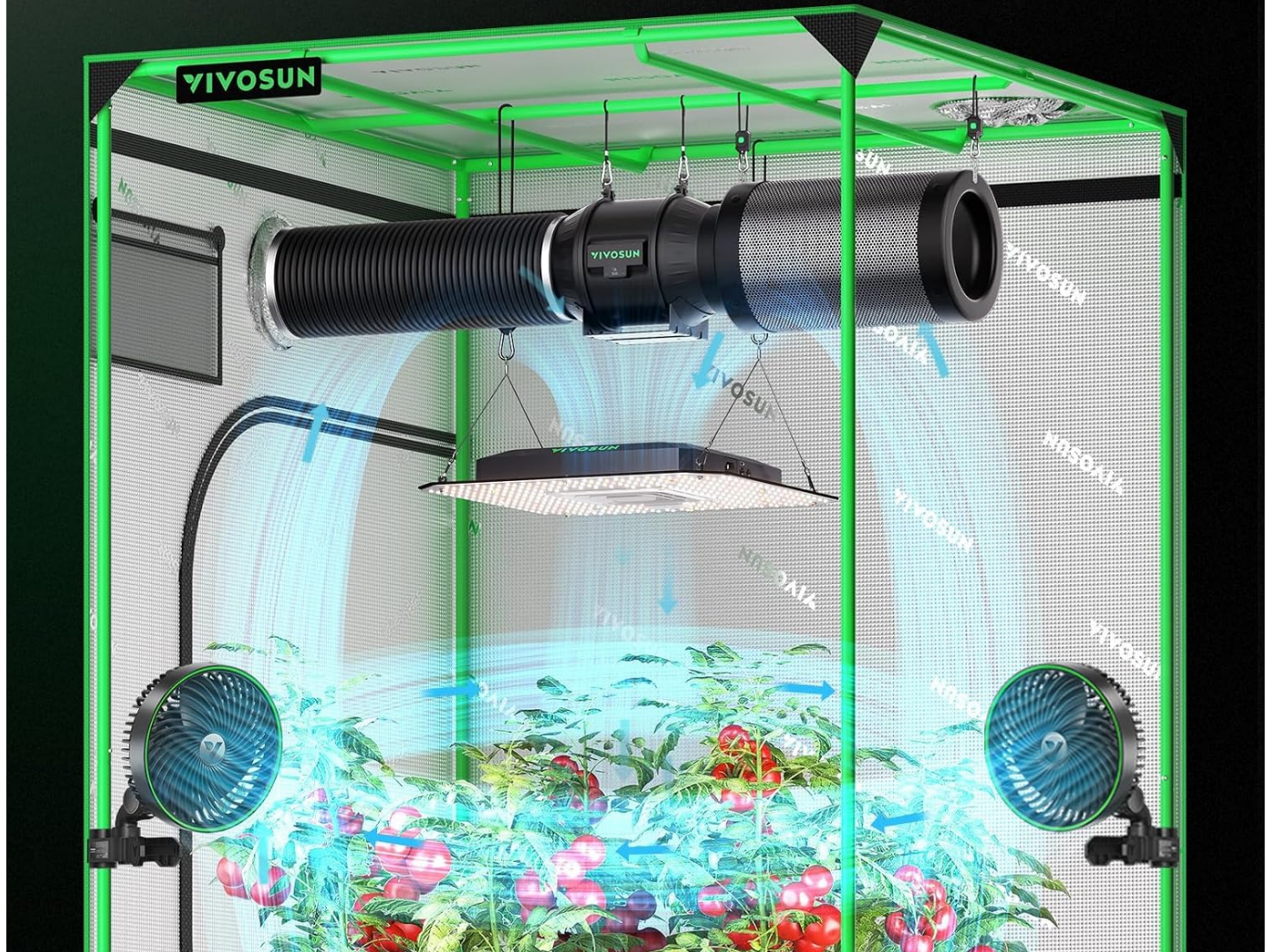
Screenshots of the VIVOSUN App demonstrating its features for controlling light intensity, monitoring environmental conditions (temperature, humidity, VPD), and utilizing pre-programmed Grow Recipes for automated plant care.

# 360° Air Circulation

Uniform and  
Even Airflow

Deeper Canopy  
Penetration

Balanced Temp &  
Humidity



The AeroLight A150SE positioned within a grow tent, illustrating its integrated fan's ability to provide 360-degree air circulation for uniform airflow, deeper canopy penetration, and balanced temperature and humidity.

## OPERATING INSTRUCTIONS

The AeroLight A150SE is primarily controlled through the VIVOSUN App via the GrowHub E25. Ensure your device is properly connected and powered on before proceeding.

### Basic Operation via GrowHub E25

- **Power On/Off:** Use the button on the GrowHub E25 to manually turn the light on or off.
- **Intensity Adjustment:** The GrowHub E25 allows for basic intensity adjustments. For precise control, use the VIVOSUN App.

### Advanced Operation via VIVOSUN App

- **Light Intensity:** Adjust the dimmable driver from 25% to 100% via the app interface.

- **Spectrum Control:** Select specific light spectrums optimized for different growth stages (e.g., seedling, vegetative, flowering).
- **Fan Speed:** Control the speed of the integrated circulatory fan to manage airflow, temperature, and humidity.
- **Scheduling:** Set custom on/off times and intensity levels for automated operation.
- **Grow Recipes:** Utilize pre-programmed or custom Grow Recipes to automate the entire growth cycle.

# Sunlike Full-Spectrum

Provides comprehensive plant care from seed to harvest.



## 3000 K

Enhances Flowering



## 5000 K

Supports Germination



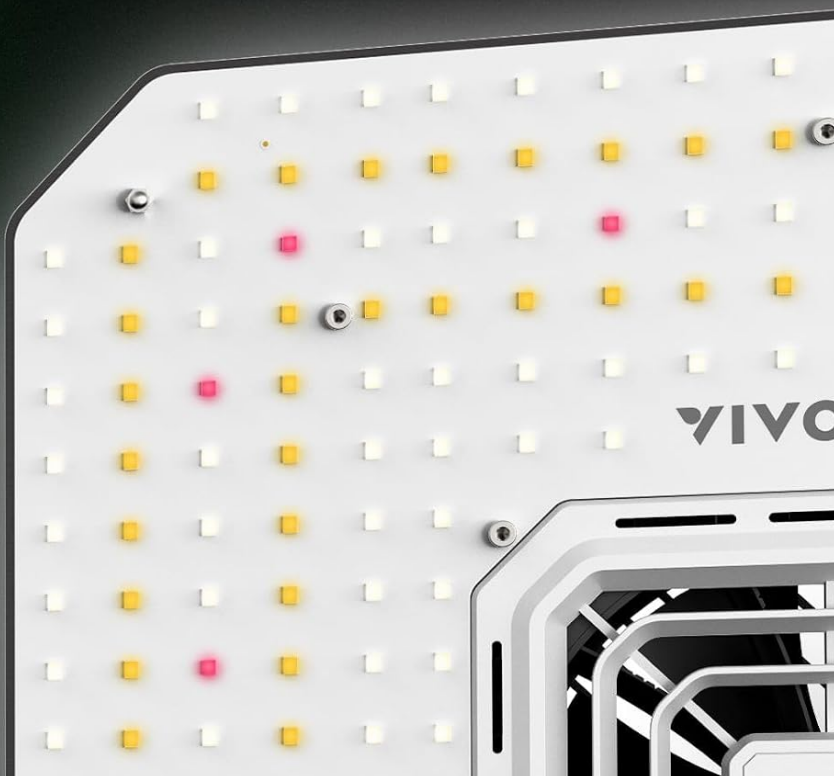
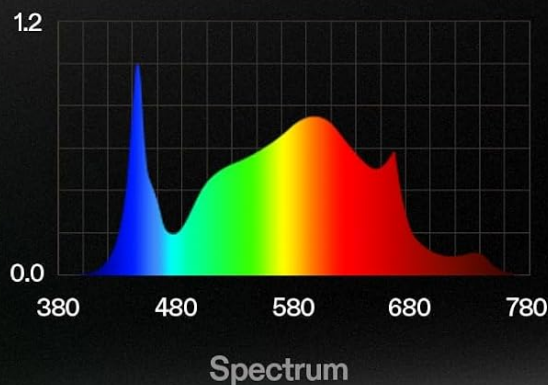
## 660 nm

Encourages Flowering



## 730 nm

Maximizes Yield



Detailed view of the AeroLight's full-spectrum output, highlighting 3000K for flowering, 5000K for germination, 660nm for flowering, and 730nm for maximizing yield, along with a spectral distribution graph.

# Optimal Light Coverage

Dense and uniform PPFD ensures even light coverage and deeper penetration, promoting strong growth and higher yields.

12" Height



14" Height



18" Height



\* Results derived from testing in Vivosun's 2x2 Grow Tent

\* This map includes Far Red & UV spectrum (380nm-780nm)

Light coverage maps (PPFD) for the AeroLight A150SE at 12, 14, and 18 inches height, demonstrating uniform light distribution and intensity across a 2x2 ft area for optimal plant growth.

# Scalable Daisy Chain

- Connect up to 9 A100SE with E25.
- Connect up to 14 A100SE with E42/E42A.



Illustration of the AeroLight's scalable daisy-chain capability, allowing connection of up to 9 A100SE units with the E25 controller or up to 14 units with the E42/E42A controller for expanded grow setups.

## SMART CONTROL & APP

The VIVOSUN AeroLight A150SE integrates seamlessly with the VIVOSUN Smart Grow System, allowing comprehensive control and monitoring through the VIVOSUN App.

- **Remote Access:** Control your AeroLight from anywhere using your smartphone.
- **Data Tracking:** Monitor and display relevant data such as temperature, humidity, and light intensity to optimize performance.
- **Automated Adjustments:** Set the system to automatically adjust light intensity, airflow, and air circulation in response to environmental changes.
- **Grow Recipes:** Access and implement pre-programmed or custom Grow Recipes designed by professional growers for various plant types and growth stages.

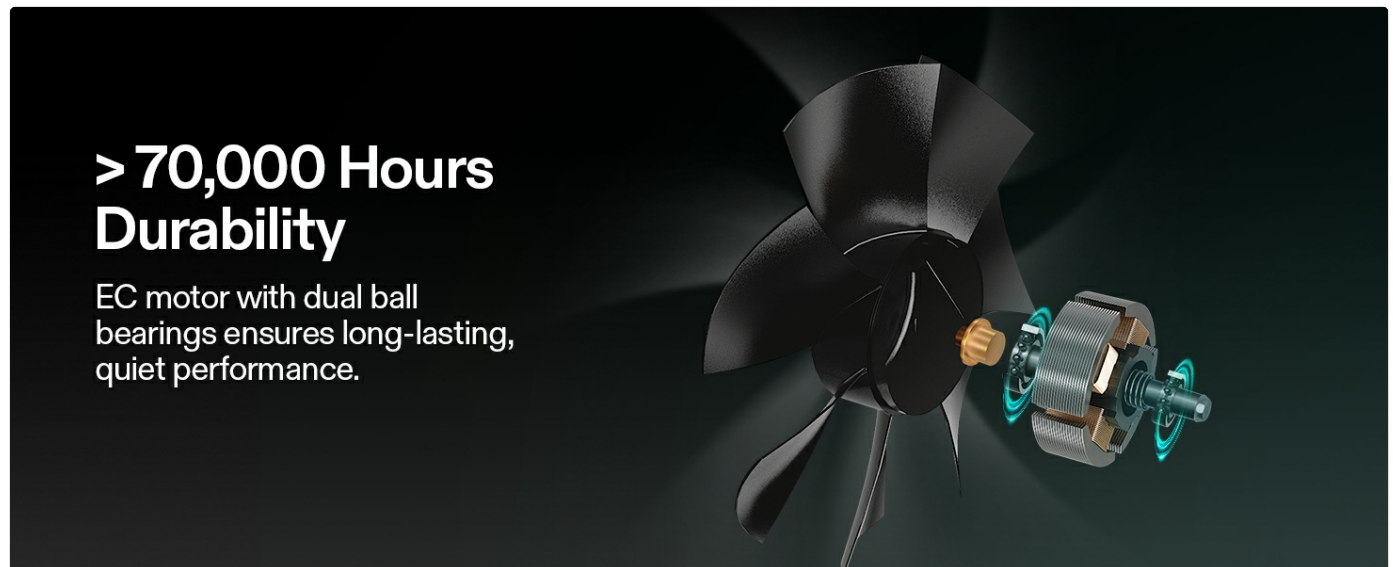
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## MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your AeroLight A150SE.

- **Cleaning:** Periodically wipe the light surface and fan blades with a soft, dry cloth to remove dust and debris. Ensure the device is unplugged before cleaning. Do not use harsh chemicals or abrasive materials.
- **Fan Inspection:** Check the integrated fan for any obstructions or unusual noises. The EC motor with dual ball bearings is designed for long-lasting, quiet performance.
- **Cable Check:** Regularly inspect power cords and connections for any signs of wear or damage. Replace any damaged cables immediately.



An illustration of the EC motor with dual ball bearings, emphasizing its design for long-lasting, quiet, and reliable performance, contributing to the product's durability.

## TROUBLESHOOTING

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If you encounter issues with your AeroLight A150SE, refer to the following common troubleshooting steps:

- **Light Not Turning On:**
  - Ensure the power cord is securely plugged into both the GrowHub E25 and the power outlet.
  - Verify that the GrowHub E25 is properly connected to the AeroLight.
  - Check if the power outlet is functional by plugging in another device.
- **App Connectivity Issues:**
  - Ensure your smartphone is connected to a 2.4GHz Wi-Fi network (5GHz networks are not supported).
  - Restart your Wi-Fi router and the GrowHub E25.
  - Confirm that the VIVOSUN App is updated to the latest version.
  - If issues persist, try re-pairing the GrowHub E25 with the app according to the in-app instructions.
- **Fan Not Operating:**
  - Check fan settings in the VIVOSUN App to ensure it is enabled and set to a desired speed.
  - Inspect the fan for any physical obstructions.

For further assistance, please contact VIVOSUN customer support.

SPECIFICATIONS

| Feature                | Specification                                  |
|------------------------|------------------------------------------------|
| Model Number           | VSA150SE-E25                                   |
| Rated Power            | 150W                                           |
| Efficiency             | 2.75 μmol/J                                    |
| Dimming Range          | 25-100% OFF                                    |
| Spectrum               | Full Spectrum (380-780nm, 660nm, 3000K, 5000K) |
| Input Voltage          | AC 120-240 V, 50/60 Hz                         |
| Fan Motor              | EC-Motor                                       |
| Fan Bearing            | Dual Ball                                      |
| Airflow                | 84 CFM                                         |
| Noise Level            | 33 dBA                                         |
| Item Weight            | 3.14 kg                                        |
| Dimensions (L x W x H) | 13"L x 13"W x 1.77"H                           |
| Material               | Aluminum                                       |

# Specifications

Model: **AeroLight A100SE** + **GrowHub E25**

**Rated Power:** 100W

**Coverage:** 2 × 2 ft

**Lifetime:** >50,000 h

**Input Voltage:** AC 120-240 V, 50/60 Hz

**Efficiency:** 2.75  $\mu\text{mol/J}$

**Dimming:** 25-100%OFF

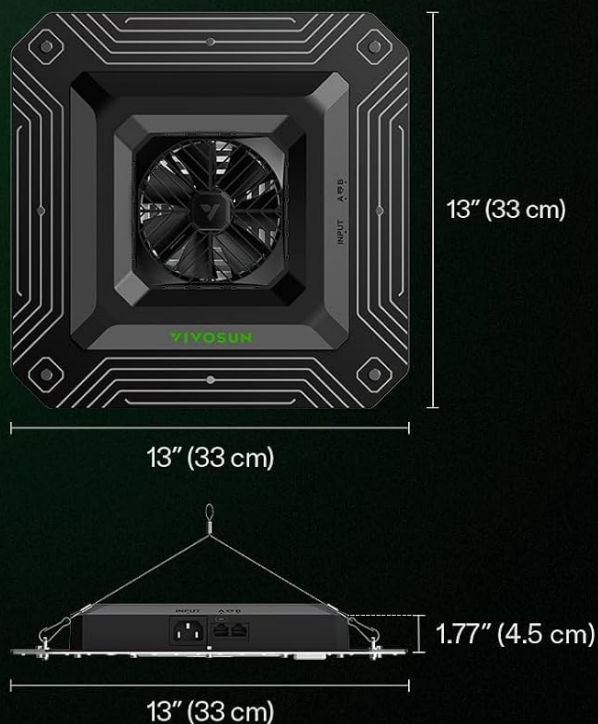
**Spectrum:** Full Spectrum

**Motor:** EC-Motor

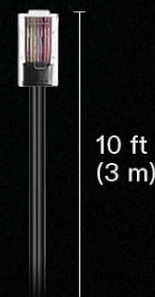
**Fan Bearing:** Dual Ball

**Airflow:** 84 CFM

**Noise:** 33 dBA



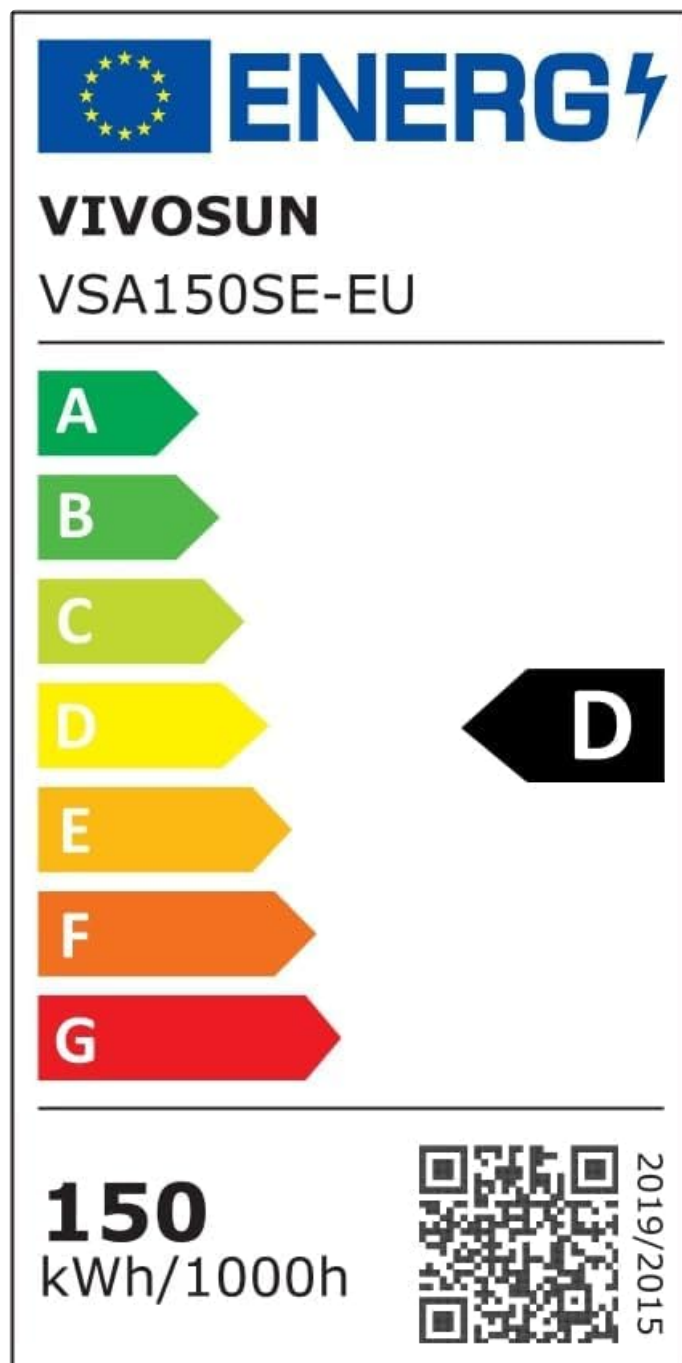
**RJ45 Network Cable:**



**Power Cord Length:**



A diagram detailing the physical dimensions and key technical specifications of the AeroLight A150SE (13x13x1.77 inches) and the GrowHub E25 controller, including power, efficiency, dimming range, fan type, airflow, and noise level.



The EU energy label for the VIVOSUN VSA150SE-EU model, indicating an energy efficiency class D and an energy consumption of 150 kWh per 1000 hours of operation. For more information, visit [eprel.ec.europa.eu/qr/2023260](https://eprel.ec.europa.eu/qr/2023260).

## WARRANTY & SUPPORT

The VIVOSUN AeroLight A150SE comes with a **3-year after-sales service warranty**. This warranty covers manufacturing defects and ensures product reliability under normal use.

For technical support, warranty claims, or any questions regarding your product, please contact VIVOSUN customer service. You can find contact information on the official VIVOSUN website or through your purchase platform.

Visit the [VIVOSUN Store on Amazon](#) for more products and information.

## ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

### Name

Anonymous

### Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question