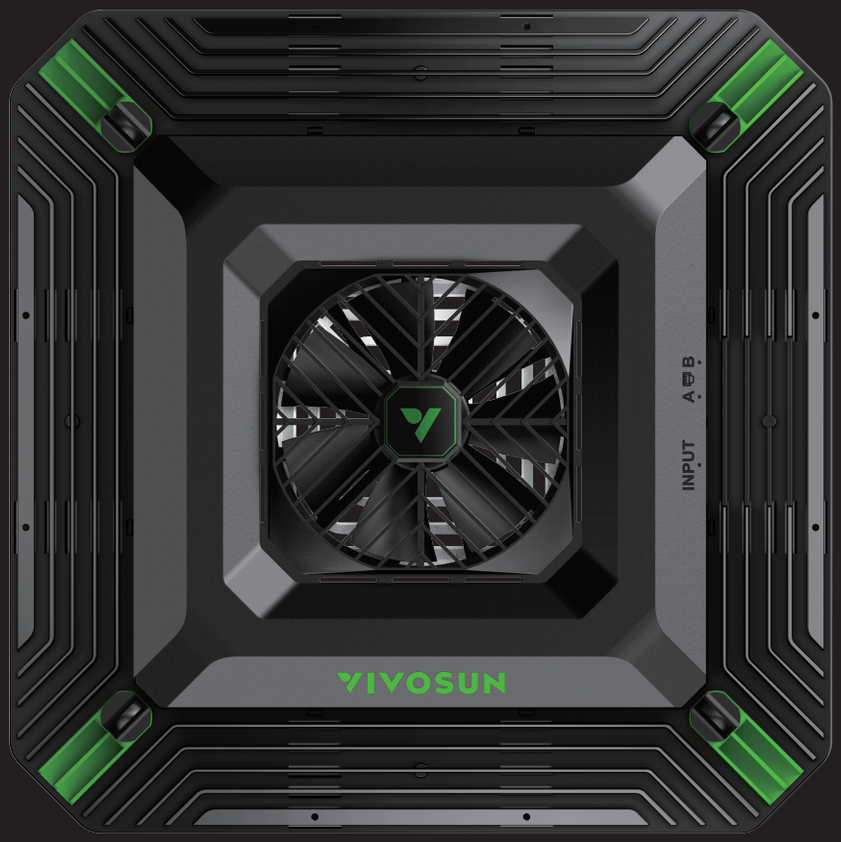
VIVOSUN



AeroLight

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
Aerolight A100	VSA100	VSA100
Aerolight A150	VSA150	VSA150
Aerolight A200	VSA200	VSA200

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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 physical harm 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 fashion that is not 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 down. Avoid allowing any moisture in any openings. DO NOT use water or any detergent to clean this product.

Warning: UV emitted from this light. LED may cause eye damage. Avoid looking directly at the lights, when they are turned on. Use shielding and light blocking glasses to protect your eyes.
Warning: DO NOT put things into fan blades.
Warning: DO NOT cover the fan. DO NOT spray on the fan.

KEY FEATURES

2-IN-1 GROW LIGHT

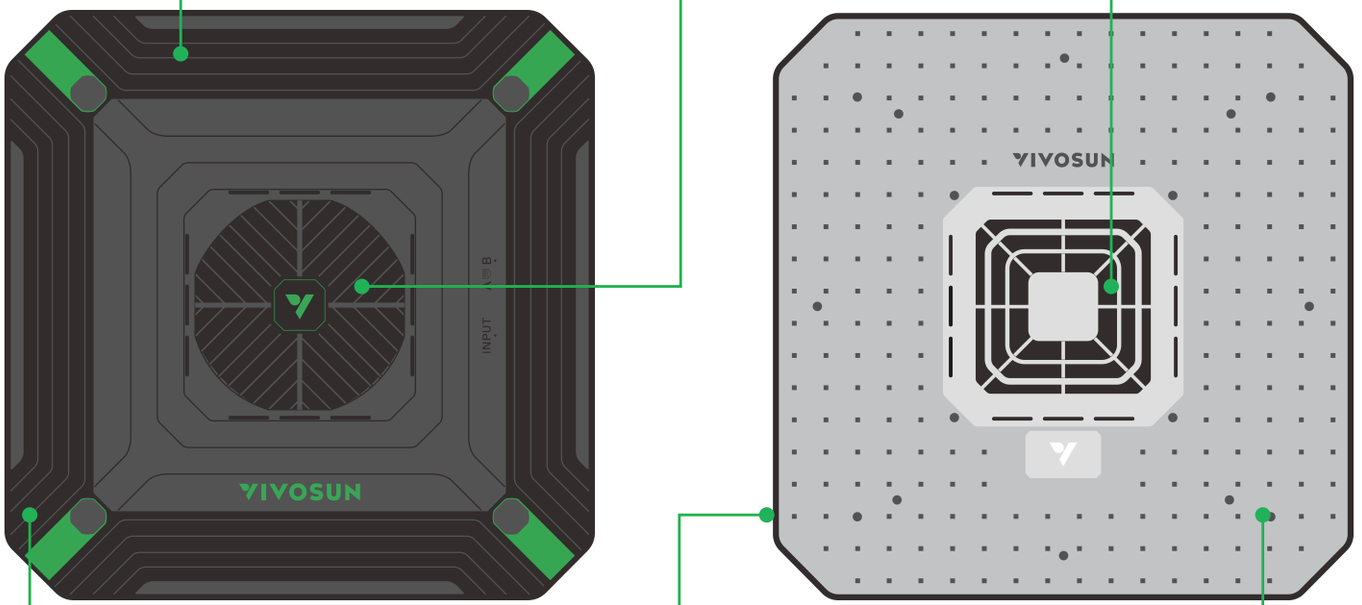
Patented grow light design with integrated highly reliable circulation fan.

BETTER CIRCULATION

With the central placement of the fan you have better air, CO_2 circulation, and humidity.

UNIFORM LIGHT & AIR

Creative hollow 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.

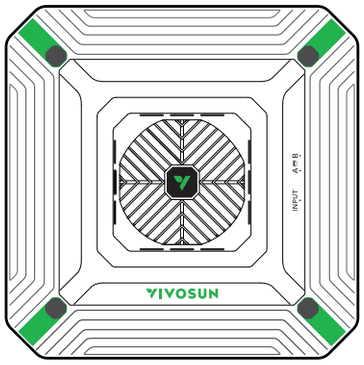
TUNABLE SPECTRUM

Different spectrum for SEEDLING, VEG and FLOWER; NO POWER LOSS.

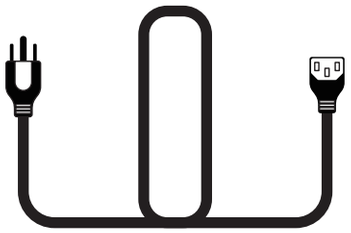
UV & FR-ENHANCED

Full spectrum with high efficient 301B LEDs and UV-A&FR added for better harvest and quality

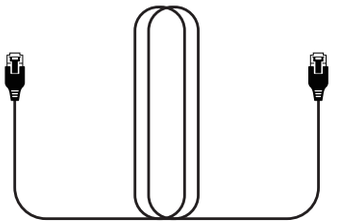
PRODUCT CONTENTS



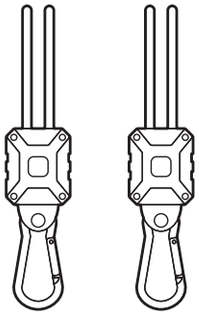
LED Light
x 1pc



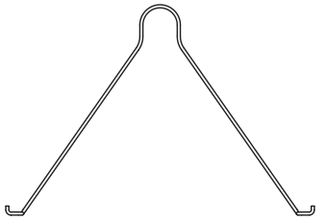
Power Cord
x 1pc



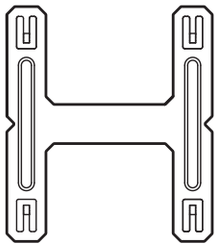
RJ45 Network Cable
x 1pc



Rope Hanger
x 2pcs



Hook
x 2pcs



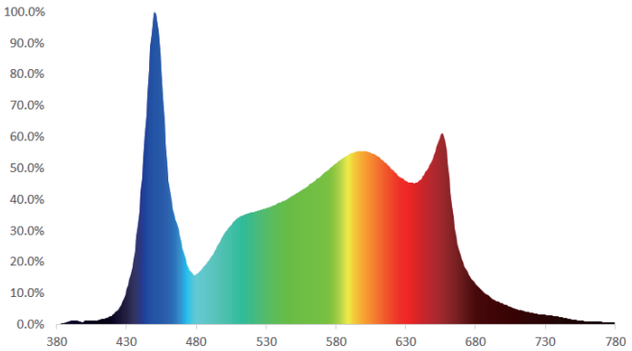
H Bracket
x 1pc

Hex Wrench
x 1pc

* Not included if sold with the GrowHub kit.

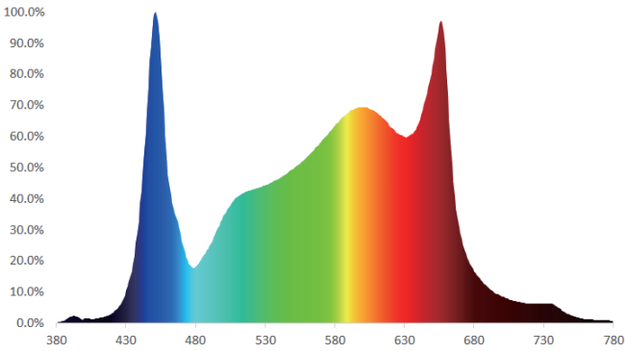
SPECTRUM

The AeroLight is spectrum-tunable and provides 3 spectral ranges for different growth stages (programmed via the GrowHub).



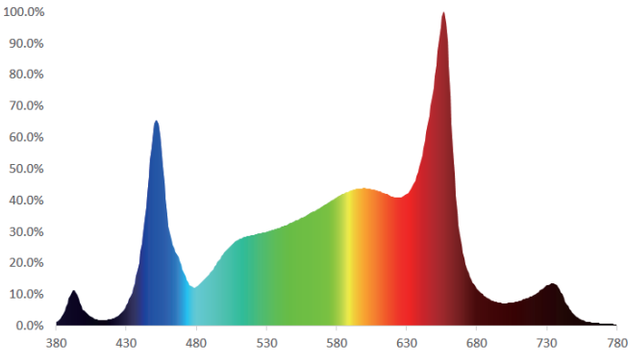
SEEDLING SPECTRUM:

More blue light promotes rooting and prevents overstretching.



VEG SPECTRUM:

Balanced spectrum for leaves growing.

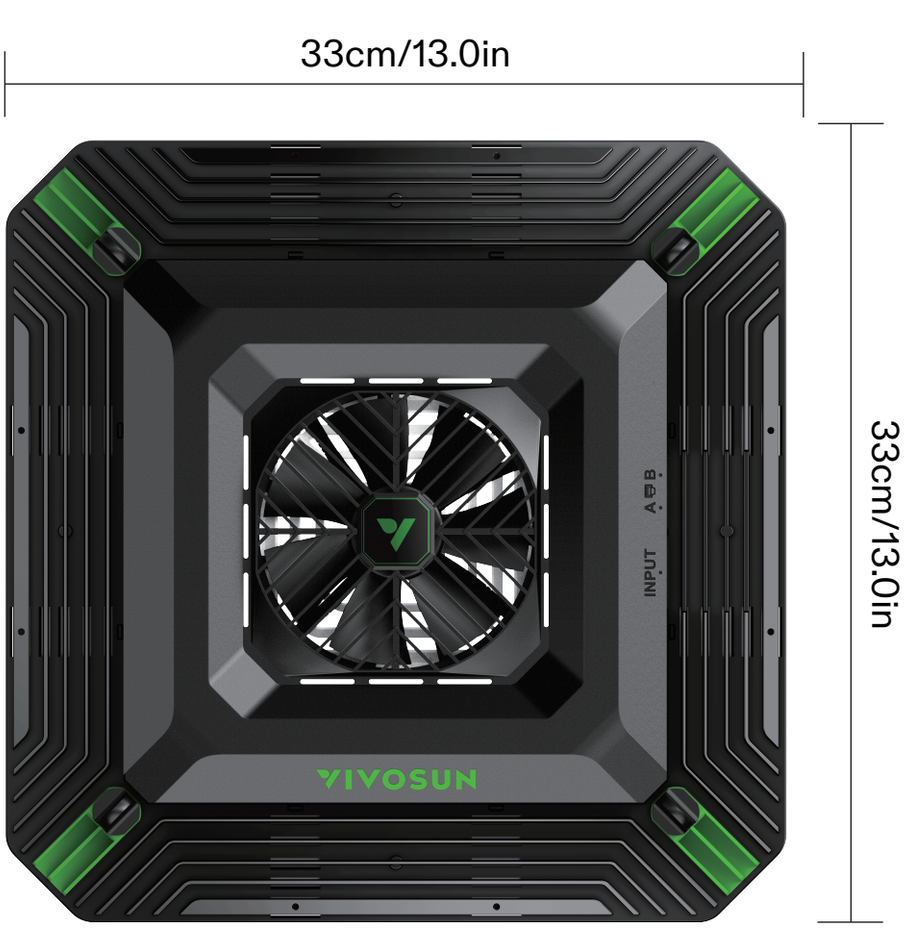


FLOWER SPECTRUM:

Rich in 660nm red and 730nm far-red light promote budding & flowering; UV enhanced for better quality.

DIMENSIONS

VSA100

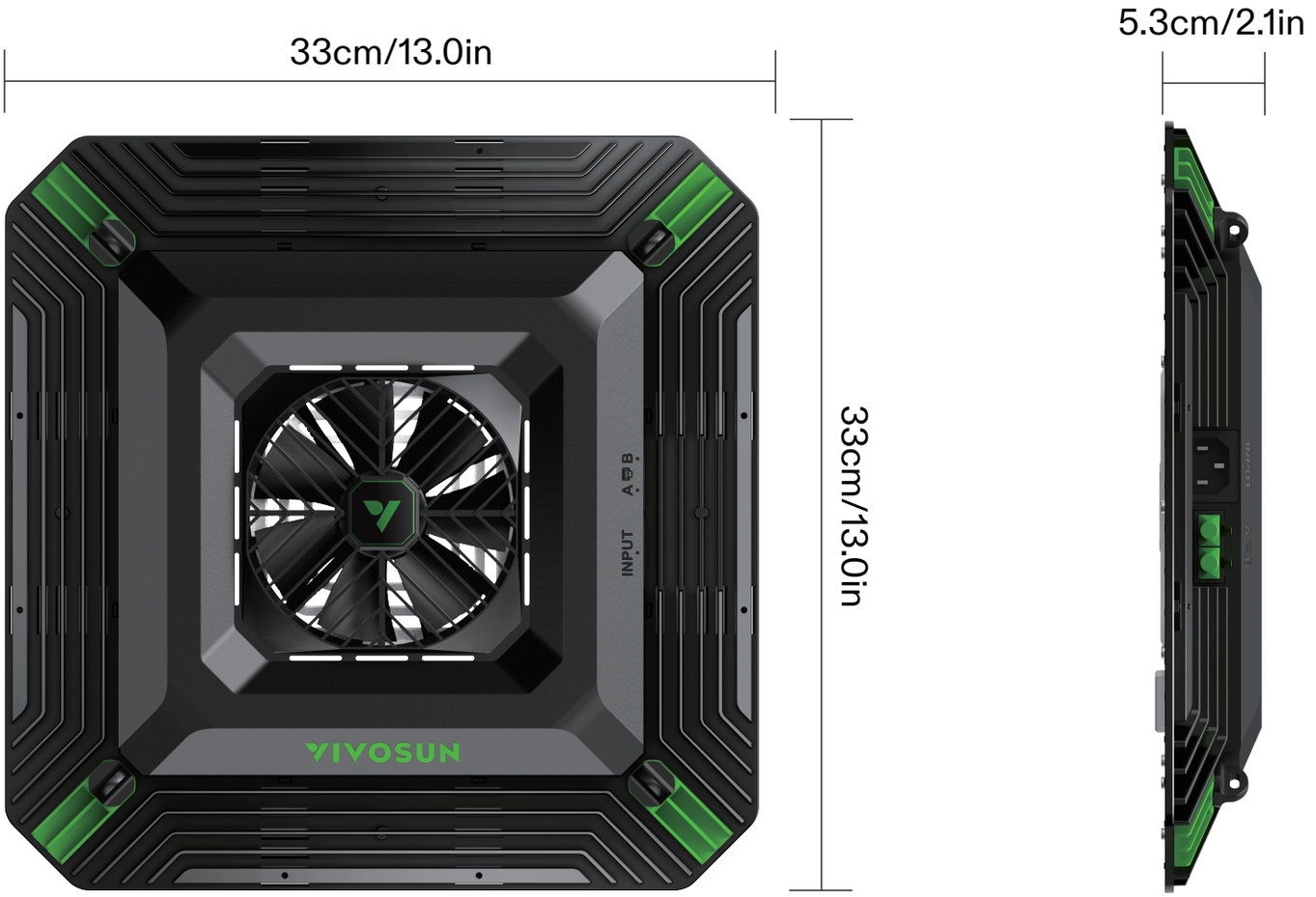


Top View

Side View

DIMENSIONS

VSA150/VSA200



Top View

Side View

SPECIFICATIONS

	VSA100	VSA150	VSA200
LED Source	Samsung 301B include UVA, Far Red		
Spectrum	Full spectrum; 380nm-780nm, rich 660nm, Seedling/Veg/Flower spectrum tunable (via GrowHub and VIVOSUN app)		
Input Voltage	120-240Vac		
Frequency	50-60Hz		
Power Factor	>0.9		
Input Power	100W	150W	200W
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	
Weight	5.7 lb./2.6 kg	6.3 lb./2.86 kg	
Dimming	20%-100%/OFF (via GrowHub and VIVOSUN app)		
Multiple Lights Connection	Daisy-chain up to 12 Lights (via GrowHub)		
Lifetime	L90>50,000 hours		
Certifications	ETL,CE,FCC and IP65		
Warranty	5-Year Standard Warranty		

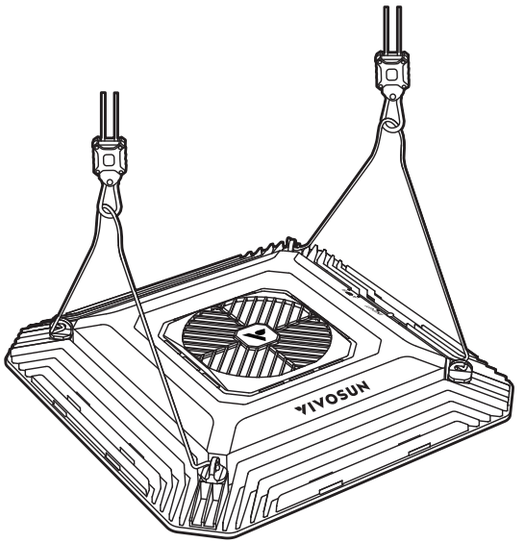
SPECIFICATIONS (BUILT-IN FAN)

Bearing	Dual Ball Bearing
Rated Voltage	12 VDC
Current	0.18 A (MAX~ 0.27A)
Power	2.16 W (MAX~3.24 W)
Speed	2200 RPM. (REF.)
Speed Adjustment	4 levels, OFF to Max
Air Flow	73.84 CFM
Air Pressure	50.56 Pa
Acoustical Noise	35.5 dB-A
Insulation Type	UL: Class A

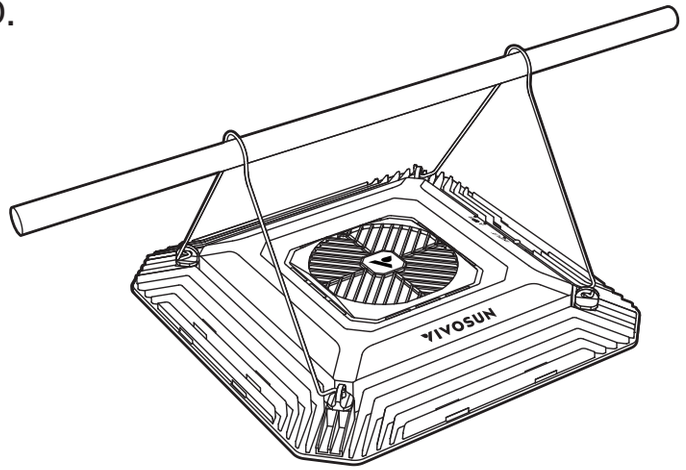
INSTALLATION

INSTALLATION OPTIONS

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



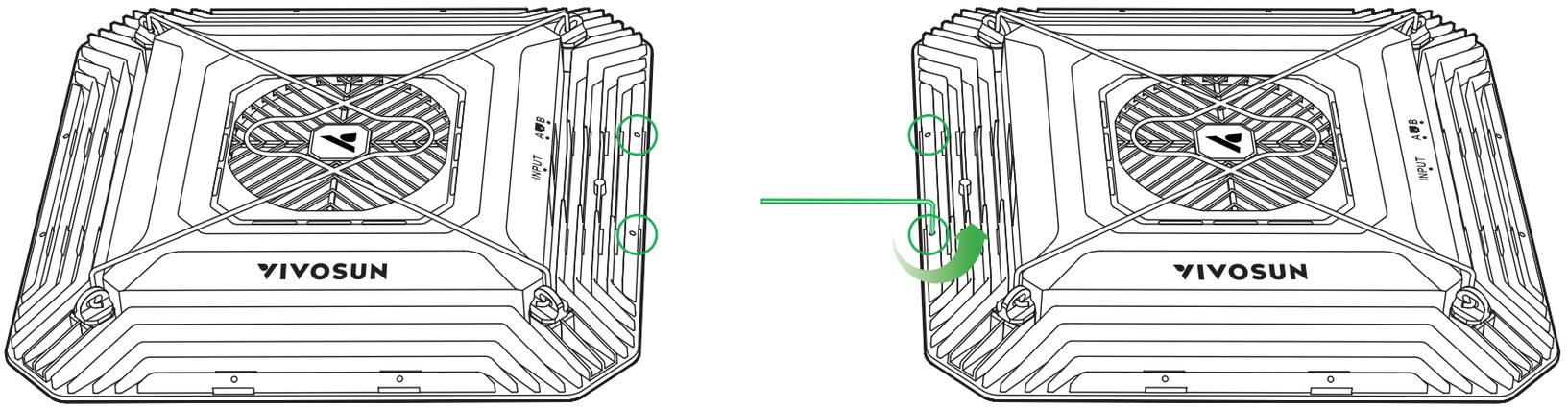
2. Remove the hooks from the LEDs, then fit them onto the ceiling bracket before installing them back onto the LED.



INSTALLATION

MULTIPLE LIGHTS CONNECTION (2 LIGHTS)

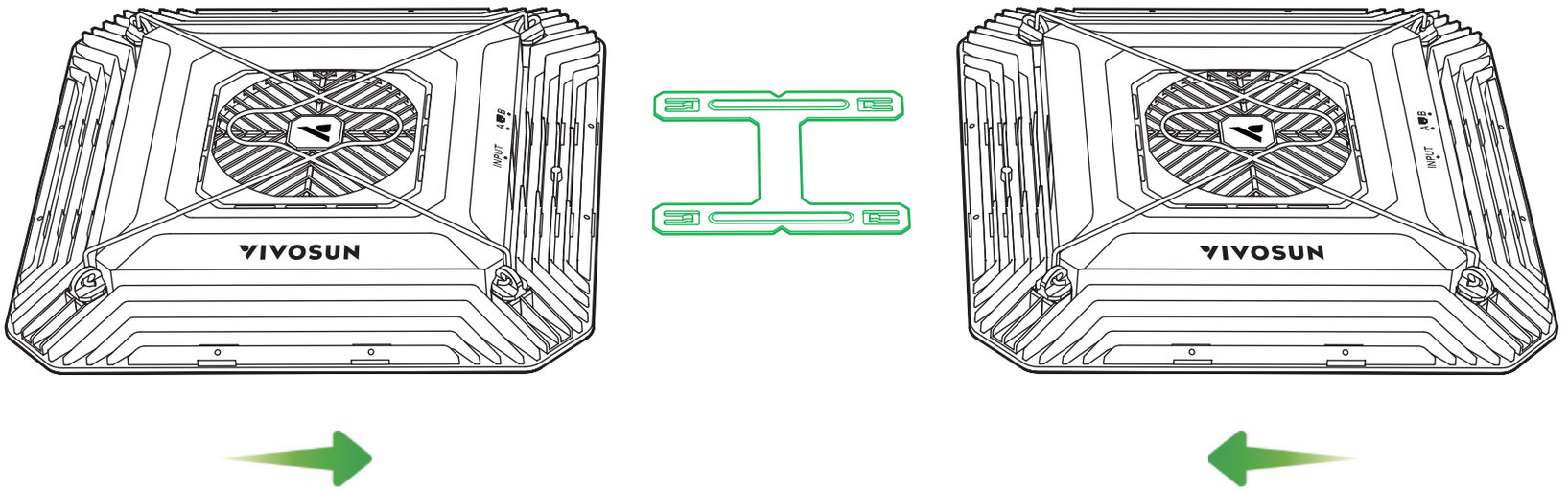
STEP 1 Loosen the two screws on one side of each light.



INSTALLATION

MULTIPLE LIGHTS CONNECTION(2 LIGHTS)

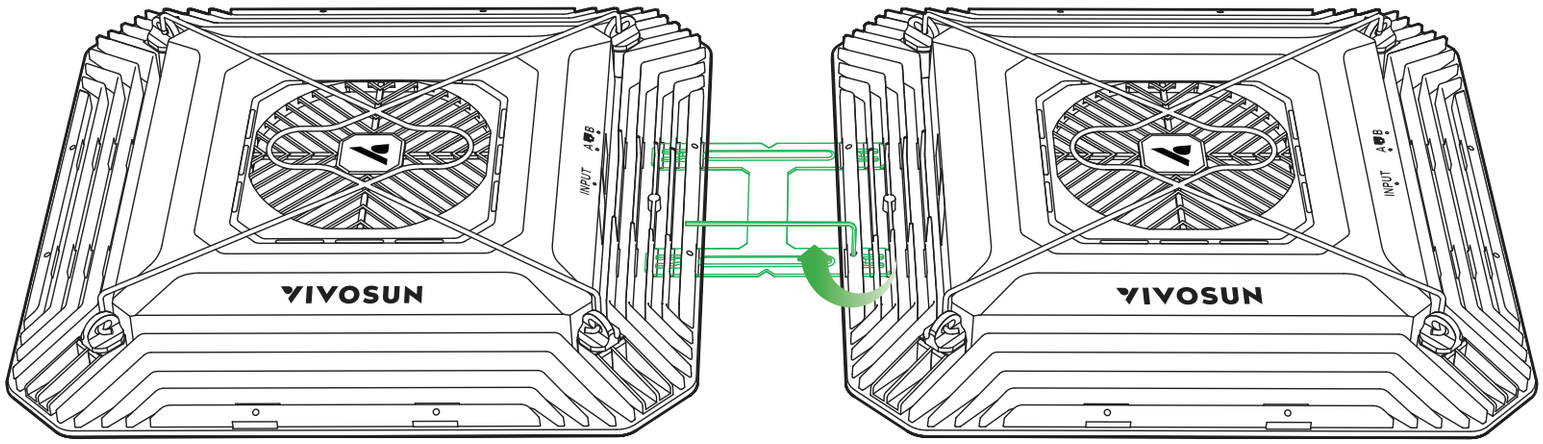
STEP 2 Insert the H bracket between the two lights and adjust to the distance you want.



INSTALLATION

MULTIPLE LIGHTS CONNECTION (2 LIGHTS)

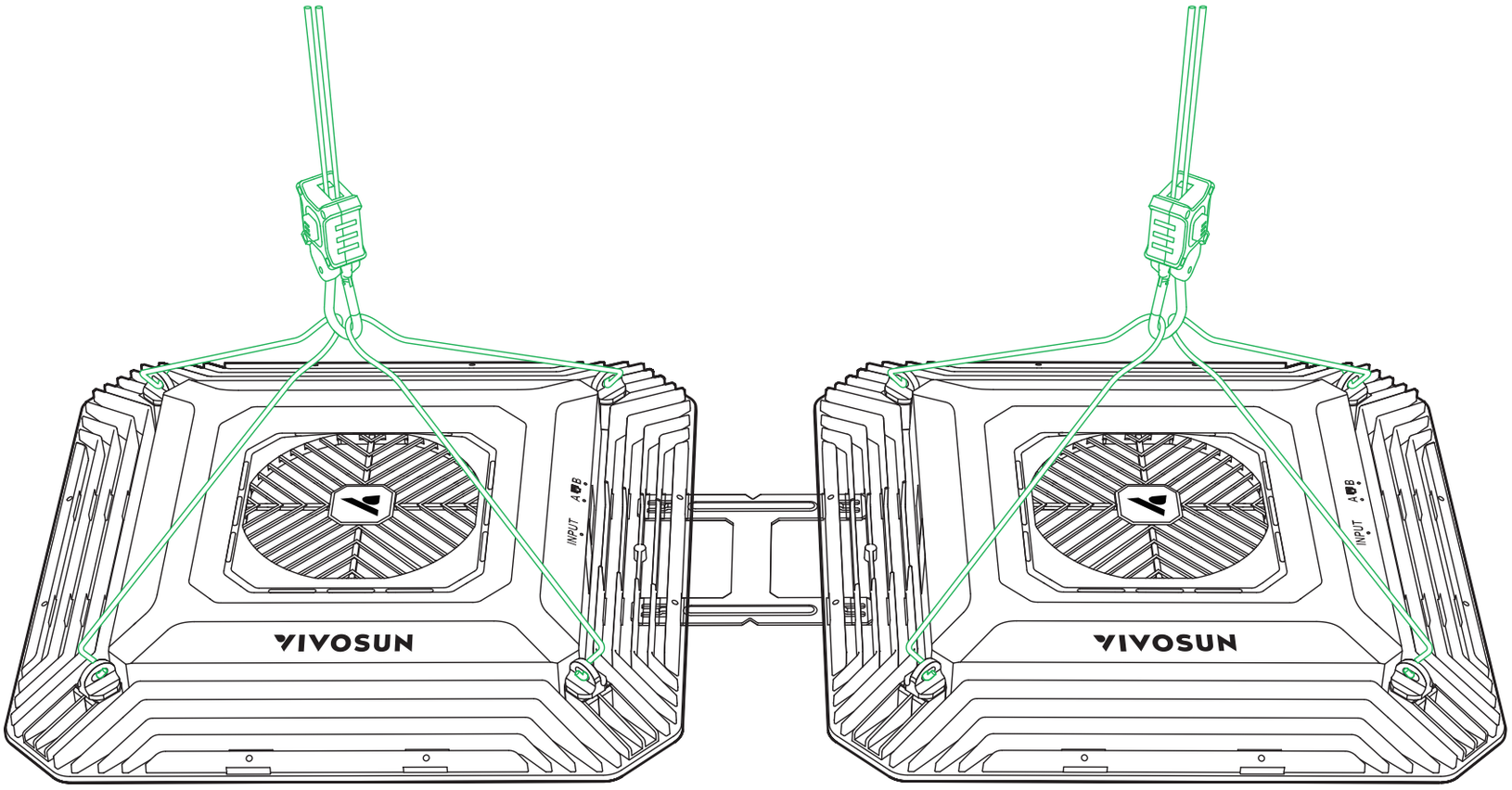
STEP 3 Tighten the 4 screws to secure the H bracket in place.



INSTALLATION

MULTIPLE LIGHTS CONNECTION (2 LIGHTS)

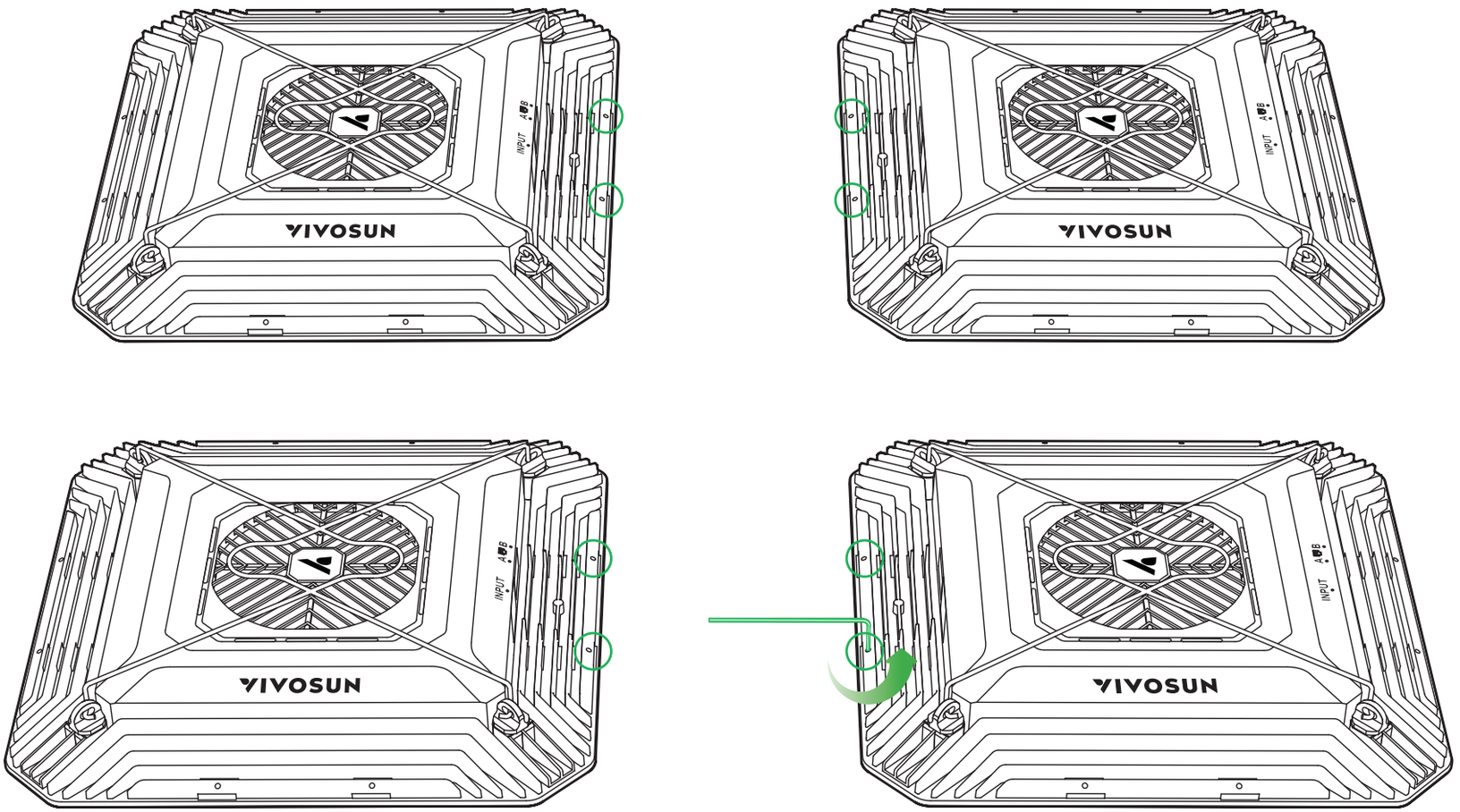
STEP 4 Clip the rope hangers on the lamp's hooks and then hang the light.



INSTALLATION

MULTIPLE LIGHTS CONNECTION (4 LIGHTS)

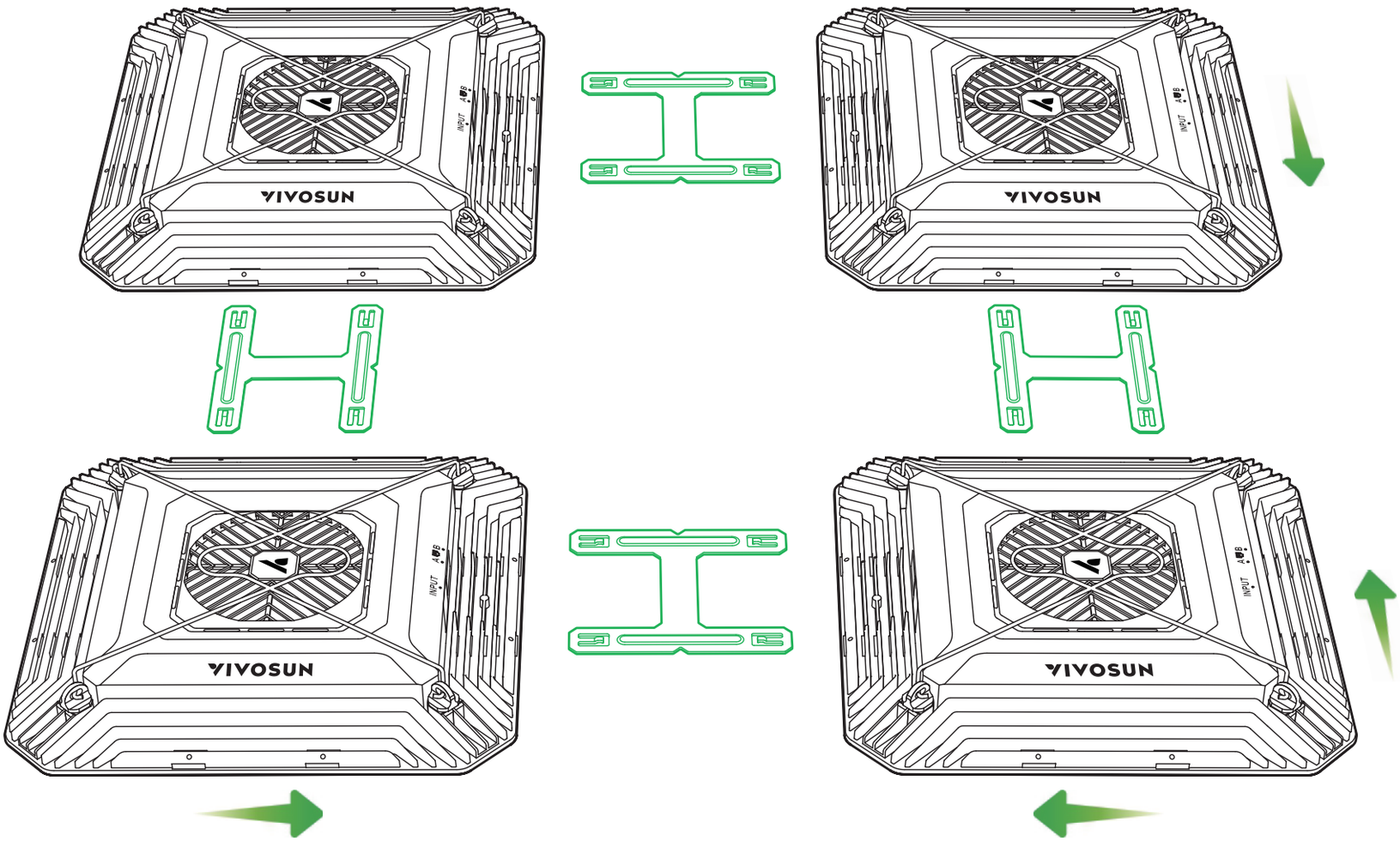
STEP 1 Loosen the four screws on two adjacent sides of each light.



INSTALLATION

MULTIPLE LIGHTS CONNECTION (4 LIGHTS)

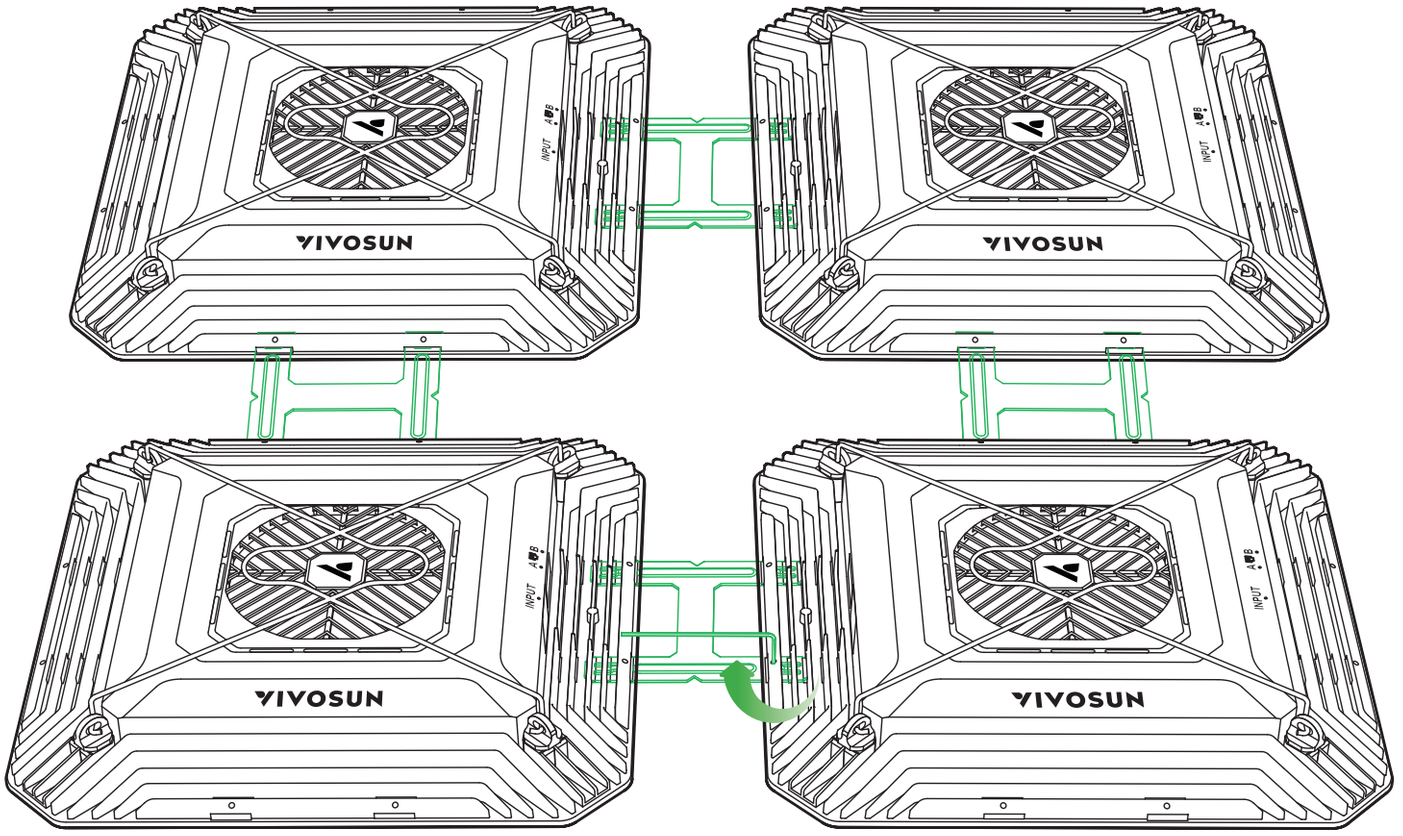
STEP 2 Insert four H bracket between adjacent lights and adjust to the distance you want.



INSTALLATION

MULTIPLE LIGHTS CONNECTION (4 LIGHTS)

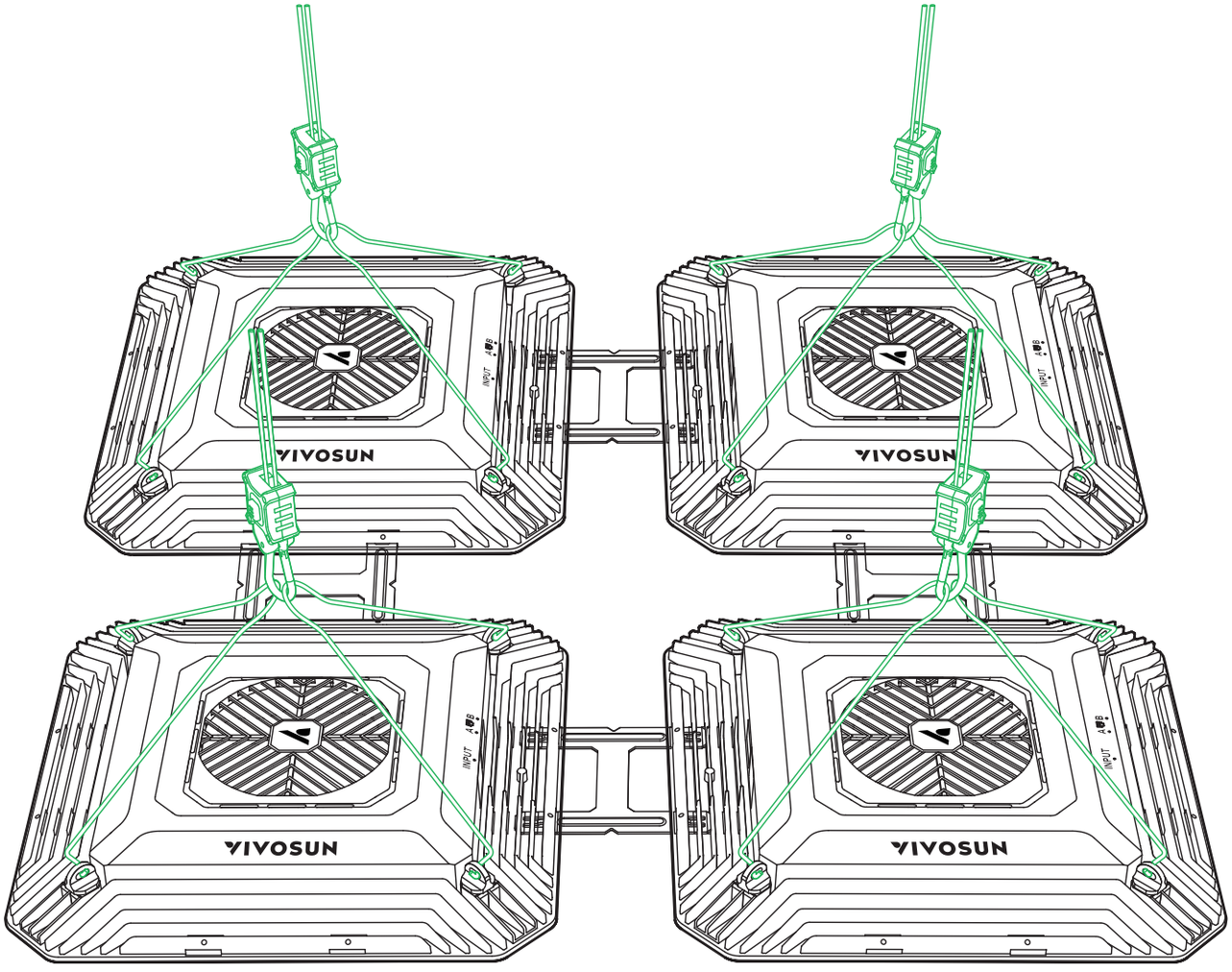
STEP 3 Tighten the screws to secure the H bracket.



INSTALLATION

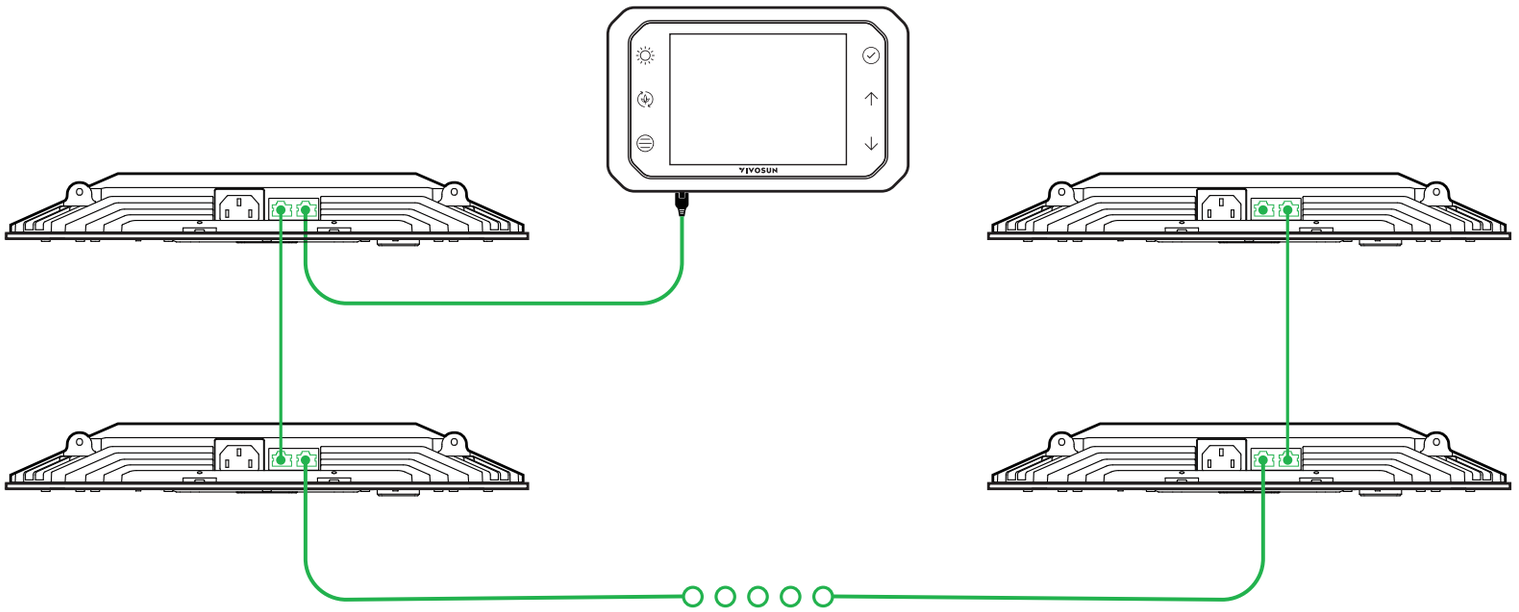
MULTIPLE LIGHTS CONNECTION (4 LIGHTS)

STEP 4 Clip the rope hangers on the lamp's hooks and then hang the light.



INSTALLATION

CONNECTION OF CONTROLLER AND MULTIPLE LIGHTS



Connect multiple AeroLights with RJ45 cables, and the first light to a VIVOSUN GrowHub controller to control all the lights for dimming, spectrum tuning and ON/OFF cycle setting. Each light needs to connect the AC power separately and the GrowHub controller only need to connect to an AeroLight to run. Please see the VIVOSUN GrowHub controller manual for information about light control and more.

APPLICATION

SUGGESTED HANGING DISTANCE & SUGGESTED LIGHTING TIME (VSA100/VSA150)

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.

It is suggested to use the VIVOSUN GrowHub controller to dim the light and achieve suitable light intensity and lighting time.

APPLICATION

SUGGESTED HANGING DISTANCE & SUGGESTED LIGHTING TIME (VSA200)

Stage	Distance		Time
	Inch (In.)	Centimeter (cm.)	
Germination	35-40	90-102	18 Hours ON
Seeding	35-40	90-102	16 Hours ON
Veg	18-30	46-76	18 Hours ON
Flower	14-18	36-46	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.

It is suggested to use the VIVOSUN GrowHub controller to dim the light and achieve suitable light intensity and lighting time.

WARRANTY INFORMATION

WARRANTY TERMS

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.
Assembled in PRC.