

Dimmable Series

MODEL: DS450



LISTED
E503485

This product is UL Certified.



4pcs **IR** look dim

For flowering stage: use all dimmers with 100% brightness.

This light includes IR (Infrared) LEDs which look dim/invisible, they are not faulty LEDs.

INSTALLATION INSTRUCTIONS

Dear users,

Thank you for choosing our products! Your decision to purchase this light will reward you with a high-grade product bringing joy to you and your plants. Please read this instruction carefully before using your lights.

PART I Safety Information

1. **CAUTION:** UV and IR emitted from this lighting equipment, do not look directly at the LED bulbs when the lighting equipment is working. This lighting equipment has passed Risk Group 2 (IEC 62471).
2. **CAUTION:** The minimum required distances between adjacent lighting equipment is 4 inches(10cm) and between the lighting equipment and combustible materials is 40 inches(100cm) such as walls, ceilings, movable partitions, and the like (providing this installation limitations are needed to prevent overheating of lighting equipment or combustible materials within the installation environment).
3. The maximum temperature of the installed environment (ambient temperature) that will ensure safe operation of the lighting equipment. So you will need to control the temperature within the installed environment. (Example: a mechanical ventilation or cooling system is required to maintain the temperature within the growing space below 104°F (or 40°C) when the lighting equipment is in operation).
4. Instructions to guide the installation such that cords:
 - a. Are not concealed or extended through a wall, floor, ceiling, or other parts of the building structure,
 - b. Are not located above a suspended ceiling or dropped ceiling,
 - c. Are not permanently affixed to the building structure,
 - d. Are routed so that they are not subject to strain and are protected from physical damage,
 - e. Are visible over their entire length, and
 - f. Are used within their rated ampacity as determined for the maximum temperature of the installed environment specified in the instructions.
5. This lighting equipment is Indoor use only. Not water-proof, protect your lighting equipment from dampness, dust and water.

USING SUGGESTIONS

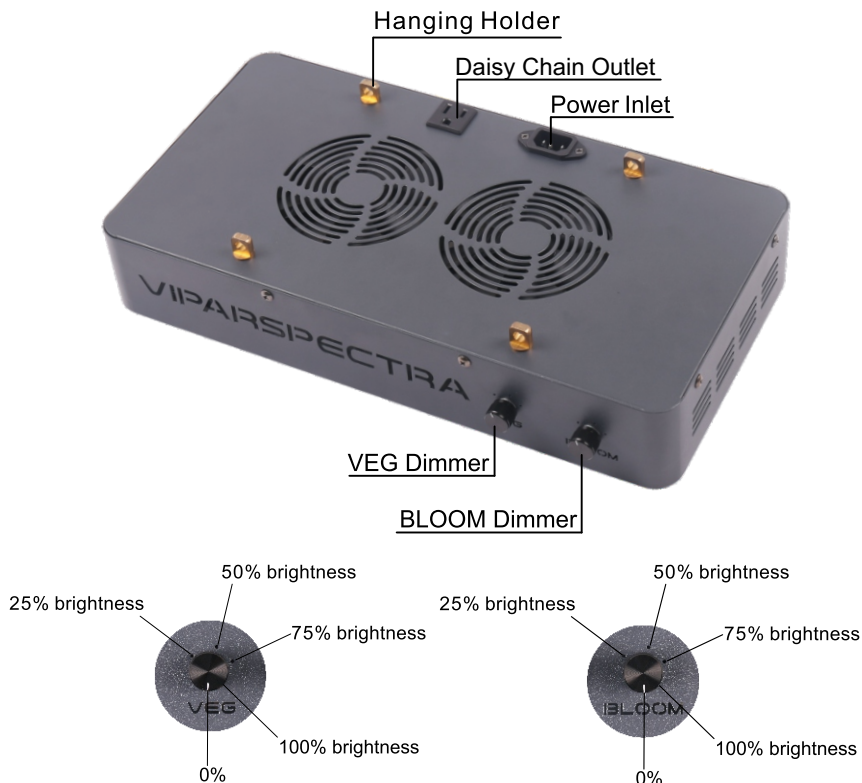
- CAUTION:** For horticultural lighting structures, installation shall be performed by qualified personnel and that the structures are intended for installation subject to approval by the authority having jurisdiction.
- Set up your light in the operating environment that allows for adequate air circulation. Never push objects into the ventilation openings.
- When using this light, there is not need any extra ballast.
- When cleaning the outside of your light and its components, first you need to shut off your light, then unplug the power cord. Using a clean, soft, lint-free cloth to wipe the light. Please be aware of getting moisture or damage in any openings.
- CAUTION:** Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to the eyes.

The following section will help guide you in the process of evaluating the best methods for each stage of plant growth. Like many other growers, you can also turn on both VEG and BLOOM dimmer knob at the same time throughout the seeding and flowering stages of your plant life. Remember to properly adjust the height of your light according to your plants desired level for optimal growth.

DS450	Height (above plants' canopy)	Using hours	Brightness (VEG/BLOOM)
3-5 days Acclimation Period	36"-40"	10 on / 14 off	40% / 15%
Seedlings/ Young Vegetative	32"-36"	12 on / 12 off	60% / 30%
Vegetative Stage	24"-32"	18 on / 6 off	100% / 60%
Flowering Stage	18"-24"	12 on / 12 off	100% / 100%

Adjust the height accordingly to desired coverage and how well each individual plants respond as the intensity increases. The key is to always observe your plants and listen to what they're telling you. If the leaves are pointing hard towards the light, they love it! Give them more! If they shy away or appear limp and unhappy, while all other components and environmental variables are correct, back off with the light! They'll let you know very quickly how they feel. This is of course... the key to horticulture in general.

SPECIFICATIONS



- * VEG Dimmer: to change the brightness of VEG channel.
- * BLOOM Dimmer: to change the brightness of BLOOM channel.
- * Daisy chain outlet: for safety, total true wattage of extra connected lights MUST less than 600W, means you can maximum link extra 3pcs DS450 to use together.
- * One fan will work while VEG channel on, the rest one fan will work while BLOOM channel on.

Specifications:

Model:	DS450	HID Replacement:	400W HPS/MH
LED Power:	450W	Vegetative Coverage at 24":	2.5x2.5ft
Actual Power Draw:	120V: 200W±3%	Flowering Coverage at 18":	2x2ft
LED Quantities:	90pcs Epiled/Bridgelux LEDs	Use for:	all stages grow and flowering
Total Harmonic Distortion:	< 15%	Housing Dimensions:	16.1 x 8.3 x 2.8 inches 41 x 21.2 x 7 cm
Input Voltage:	AC120V	Item Weight:	8.4 lbs
Frequency:	60Hz	Lifespan:	≥100,000 hours

Package includes:

- 1 x DS450 LED Lighting
- 1 x Hanging Kit
- 1 x 6ft Power Cord

PART II Installation Instructions

1. Remove this lighting equipment from packaging.
2. Joining the buckles to the hanging holders one by one.
3. Hanging the light on a hard, stable bracket or the ceiling of grow tent with the carabiner.
4. Install this lighting equipment above your plants - Do not proceed unless it's safely and securely mounted.
5. Plug power cord into this lighting equipment (do not plug into wall yet).
6. Rotate counterclockwise to turn off the VEG and BLOOM dimmer knob.
7. Power on this lighting equipment by plugging into wall socket and turn on the dimmer knob.



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. For USA buyers, 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.

(C) Repairing. We can send parts free of charge immediately if you'd like to repair simple defect. Or we will email you a pre-paid return label to bring light back, then ship back to you after we repair it. All for free.

4. For buyers outside of the USA, if any lights stop working within 30 days, you can choose:

(A) Exchange. Please ship the light back to our warehouse, buyer pays return shipping. A replacement will be sent to you for free as soon as we receive the defective light.

(B) Money back. Please ship the light back to our warehouse, buyer pays return shipping. You will get your money back as soon as we receive the defective light.

(C) Repairing. We can send parts free of charge immediately if you'd like to repair simple defect.

5. To all customers: if any lights stop working over 30 days after delivery, please contact us to get a satisfactory solution.

6. If a light is sent in with damage that is not covered under warranty, we may still be able to perform warranty service, however that is at our discretion and repairs may bear a cost which will be assessed prior to repairing the light.

7. Our company reserves the interpretation right of this warranty structure. If you have any questions about our warranty policy, please contact us.

WARRANTY CARD



Purchase date

Email

Name

Phone

Address

Issues brief description

Customer Service
Email: support@viparspectra.com
Phone: 1-844-504-3266(United States)

www.viparspectra.com