VIPAR SPECTRA

Timer Control Series

MODEL: TC900S

UL LISTED
E503485

This product is UL Certified.

8pcs (IR) look dim

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

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

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

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℃) 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.

6. **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.

7. Set up your light in the operating environment that allows for adequate air circulation. Never push objects into the ventilation openings.

8. When using this light, there is not need any extra ballast.

9. 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.

10. **CAUTION:** Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to the eyes.
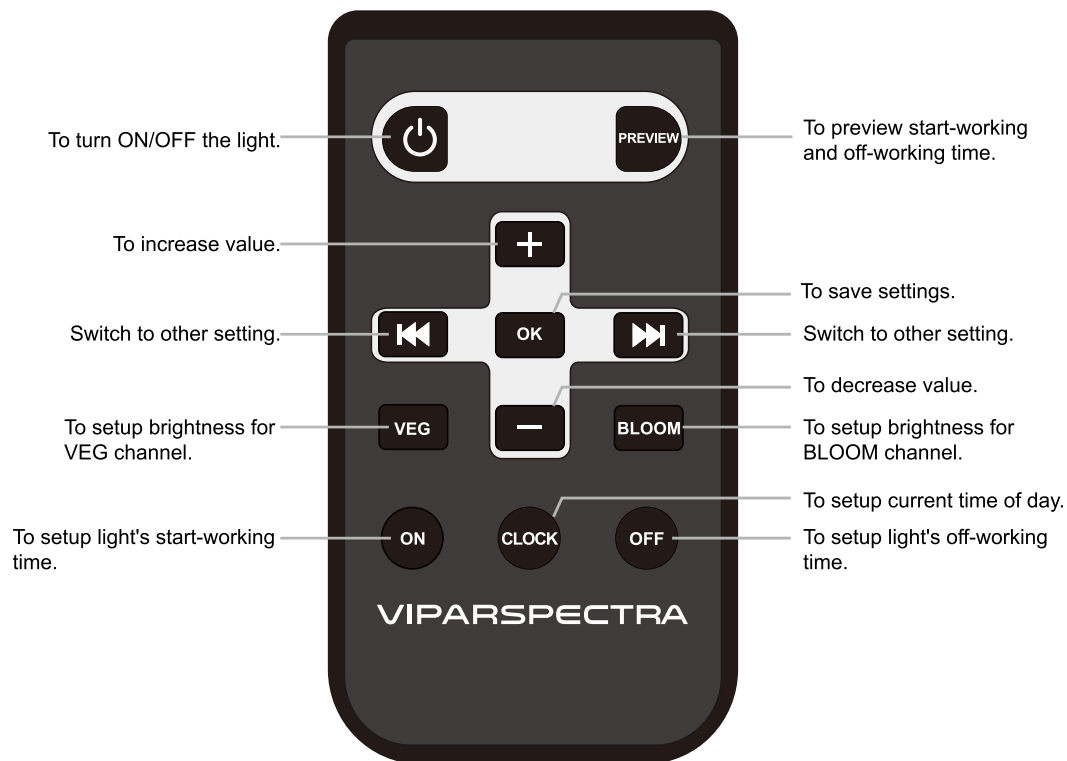
Specifications:

Model:	TC900S	HID Replacement:	1000W HPS/MH
LED Power:	900W	Vegetative Coverage at 32":	4x4ft
Actual Power Draw:	120V: 405W±3%	Flowering Coverage at 24":	3x3ft
LED Quantities:	180pcs Epiled/Bridgelux LEDs	Use for:	all stages grow and flowering
Total Harmonic Distortion:	<15%	Housing Dimensions:	16.5 x 16.5 x 3 inches 42 x 42 x 7.5 cm
Input Voltage:	AC120V	Item Weight:	15.7 lbs
Frequency:	60Hz	Lifespan:	≥100,000 hours

* Two fans will work while VEG channel on, the rest one fan will work while BLOOM channel on.

Package includes:
1 x TC900S LED Lighting
1 x Hanging Kit
1 x 6ft Power Cord
1 x Remote
2pcs Adjustable Rope Hangers

To turn ON/OFF the light.

To preview start-working and off-working time.

To increase value.

To save settings.

Switch to other setting.

Switch to other setting.

To decrease value.

To setup brightness for VEG channel.

To setup brightness for BLOOM channel.

To setup current time of day.

To setup light's start-working time.

To setup light's off-working time.

VIPARSPECTRA

Step 1. Remove the plastic separator from the battery.

Step 2. Press ⏻ to turn on the light.

Step 3. Press VEG to setup brightness for VEG channel. Using + and −, select the desired brightness. Press OK to save settings.

Step 4. Press BLOOM, repeat step 3 to setup brightness for BLOOM channel.

Step 5. Press CLOCK to setup current time of day, the hour will flash. Using + and −, select the desired hour. Press ⏮ or ⏭ to save the hour and activate the minutes. Using + and −, select the desired minutes. Press OK to save settings, or wait about 3 seconds and the programmed time will be automatically saved.

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Step 6. Press ON to setup light's start-working time, the hour will flash. Using + and −, select the desired start-working hour. Press ⏮ or ⏭ to save the hour and activate the minutes. Using + and −, select the desired minutes. Press OK to save settings, or wait about 3 seconds and the programmed time will be automatically saved.

Step 7. Press OFF , repeat step 6 to setup light's off-working time.

Step 8. Press PREVIEW to confirm that the system has saved the desired start-working and off-working time.

Note: Timer controls both channels on/off together. Cannot turn VEG and BLOOM channel on/off separately.

Using Suggestions:

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 use this light throughout the seeding and flowering stages of your plants life. Remember to properly adjust the height of your light according to your plants desired level for optimal growth.

TC900S	Height (above plants' canopy)	Using hours	Brightness (VEG/BLOOM)
3-5 days Acclimation Period	44"-48"	10 on / 14 off	40% / 15%
Seedlings/Young Vegetative	40"-44"	12 on / 12 off	60% / 30%
Vegetative Stage	32"-40"	18 on / 6 off	100% / 60%
Flowering Stage	24"-28"	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.

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SETTING SYSTEM WITH CONTROL KNOB

Digital Display OVERVIEW

Main menus:

`CH1` : VEG channel

`CH2` : BLOOM channel

`H-SE` : Timer setting

Sub-menus of "H-SE":

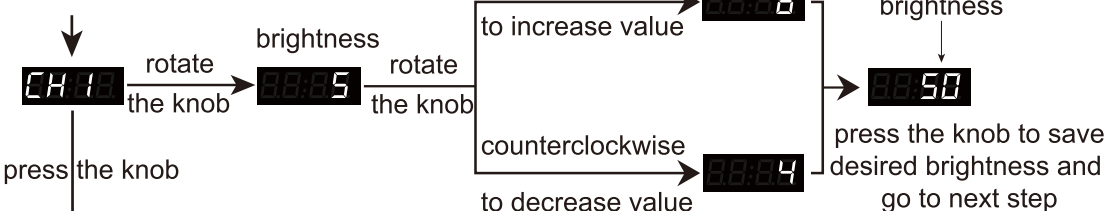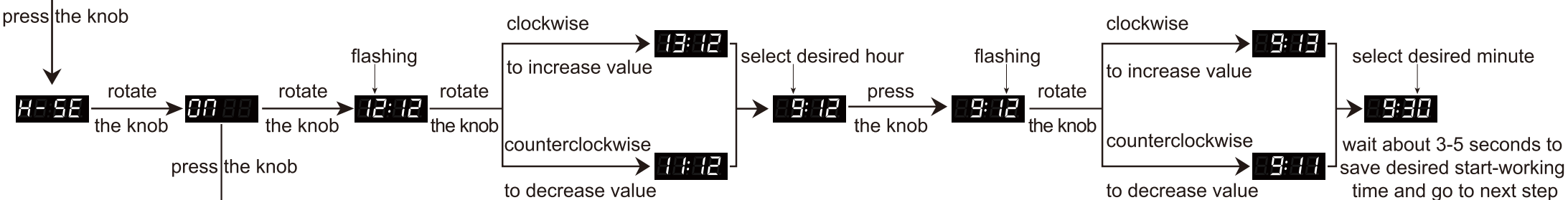`ON` : Start-working time

`OFF` : Off-working time

`CLOC` : Current time

Actions OVERVIEW

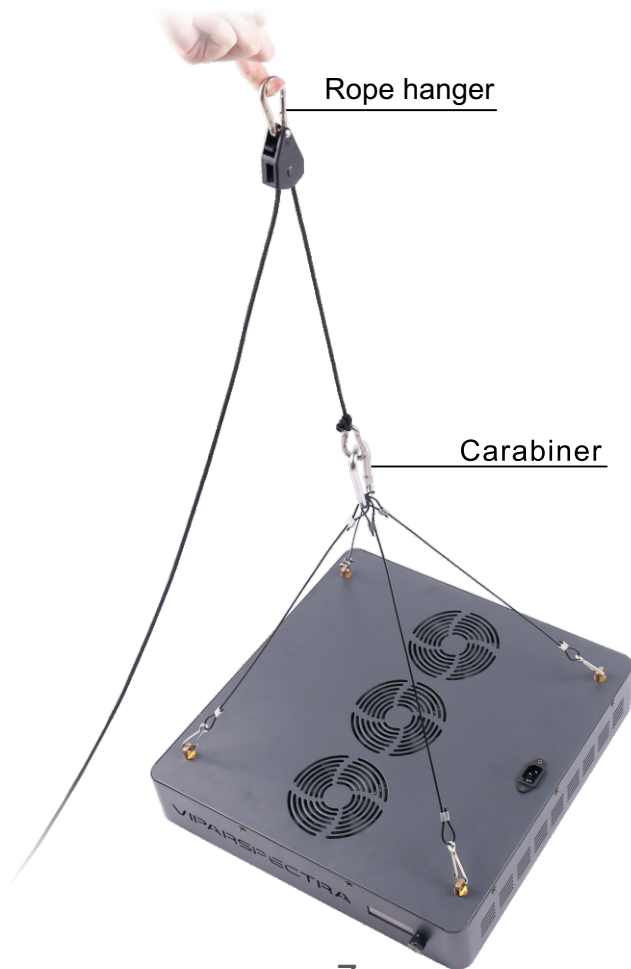| Action	Function
Press the knob	1. power on/off 2. change mode 3. save settings
Rotate clockwise	1. enter mode 2. increase value (+1)
Rotate counterclockwise	1. enter mode 2. decrease value (-1)

NOTE:
1. Keep pressing the knob around 3 seconds can turn off the light.
2. System will save settings and back to superior menu if no action within 3-5 seconds.
3. Timer controls both channels on/off together. Cannot turn VEG and BLOOM channel on/off separately.

Setting Process

Press the knob to start

`CH1` → rotate the knob → brightness `5` → rotate the knob →

clockwise to increase value `6`

counterclockwise to decrease value `4`

select desired brightness `50` press the knob to save desired brightness and go to next step

press the knob

`CH2` same method as setting `CH1`

press the knob

`H-SE` → rotate the knob → `ON` → rotate the knob → flashing `12:12` → rotate the knob →

clockwise to increase value `13:12`

counterclockwise to decrease value `11:12`

select desired hour `9:12` → press the knob → flashing `9:12` → rotate the knob →

clockwise to increase value `9:13`

counterclockwise to decrease value `9:11`

select desired minute `9:30` wait about 3-5 seconds to save desired start-working time and go to next step

press the knob

`OFF` same method as setting `ON`

press the knob

`CLOC` same method as setting `ON`

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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 dimmer knob.
7. Power on this lighting equipment by plugging into wall socket and turn on the dimmer knob.

Rope hanger

Carabiner

VIPARSPECTRA 1/8'' Adjustable Rope Hanger

Key Features:

- Pair of 1/8" Heavy Duty Adjustable Rope Clip Hanger

- Weight Capacity: 150 pounds per pair

- Rope Length: 6 feet

- Rope Material: Braided Polypropylene

- Hook Material: Zinc Plated Steel and Internal Gears

- Fully Adjustable and Locking

- Tear and Rust Resistant

Installation Instruction:
Adjust to the desired height by simply pulling the loose rope end.To release, hold the loose rope end and depress the lever recessed in the Rope Hanger.

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