

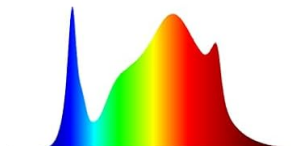
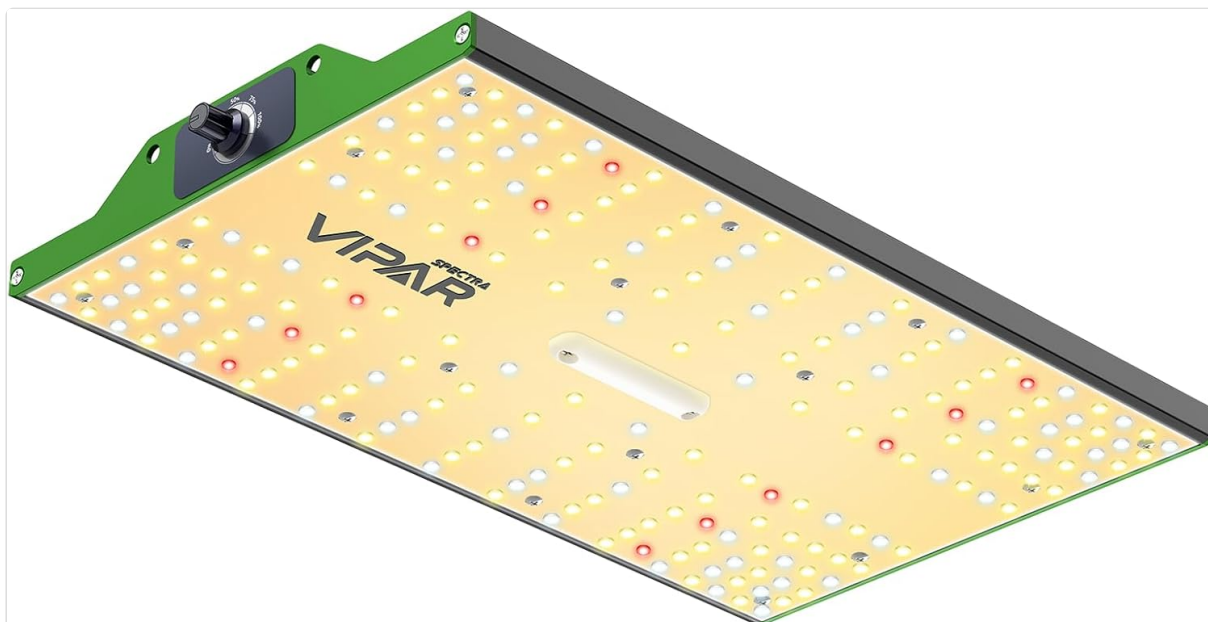
VIPARSPECTRA P700

VIPARSPECTRA P700 LED Grow Light Instruction Manual

Model: P700 | 70 Watt Dimmable Full Spectrum LED Grow Light

1. INTRODUCTION

Thank you for choosing the VIPARSPECTRA P700 LED Grow Light. This manual provides essential information for the safe and effective use of your grow light. Please read these instructions thoroughly before installation and operation, and retain them for future reference.



2. SAFETY INFORMATION

- Always disconnect power before installation, maintenance, or moving the light.
- Do not look directly at the LED lights when the unit is operating. Eye protection is recommended.
- Ensure the light is installed in a well-ventilated area to prevent overheating.
- Keep the light away from water and other liquids. This product is not waterproof.
- Do not attempt to modify or disassemble the unit. This will void the warranty and may cause electrical hazards.
- Operate the light within the specified voltage range (120 Volts).

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1 x VIPARSPECTRA P700 LED Grow Light
- 2 x Stainless Steel Hooks
- 2 x Rope Hangers
- 1 x Power Cord

SPECIFICATIONS & PACKING



MODEL | P700
COVERAGE | 2x2 ft
WATTAGE | 70W

CONTROLLER | DIMMABLE
BRIGHTNESS | 4 LEVELS
LED COUNT | 216 Diodes

Image 3.1: P700 Dimensions and Included Accessories

4. PRODUCT OVERVIEW

The VIPARSPECTRA P700 is a 70-watt full-spectrum LED grow light designed for optimal plant growth during seedling and vegetative stages. It features a fanless design with large aluminum heat sinks for efficient heat dissipation and quiet operation.

Key Features:

- **Optimized Full Spectrum:** Balanced 660nm red, 3000K & 5000K white spectrum to mimic natural sunlight.
- **Dimmable Function:** 4-level dimmer (0%, 25%, 50%, 75%, 100%) to adjust brightness for different

plant stages.

- **Efficient Heat Dissipation:** Fanless design with large aluminum heat sinks ensures low heat output and extended lifespan.
- **High PAR Output:** Provides high Photosynthetic Active Radiation (PAR) for a 2x2 ft vegetative coverage area.

FULL SPECTRUM LED GROW LIGHTS

A true full-spectrum light mimicking sunlight, optimized for starting seedlings and vegetative growth.



5000K
Promotes plants
germination



660nm
Promotes plants
flowering



3000K
Boosts plants
flowering

Photo Parameters:

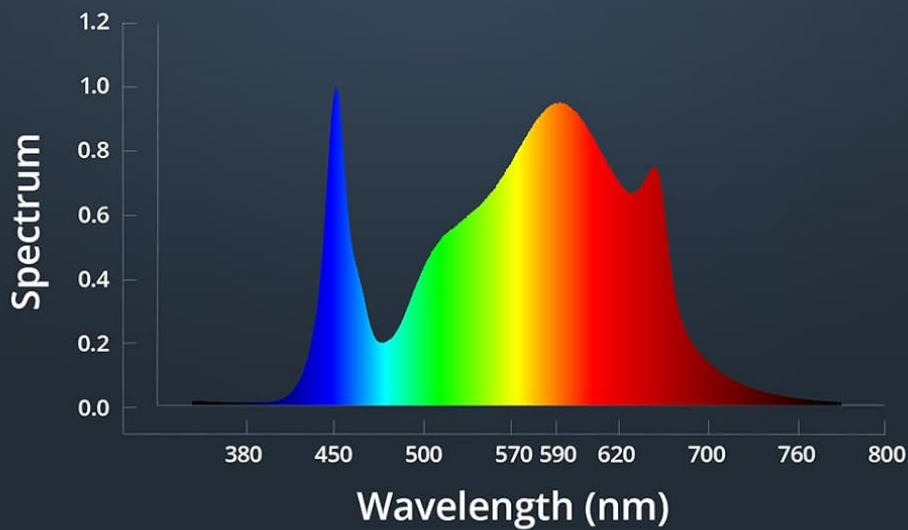
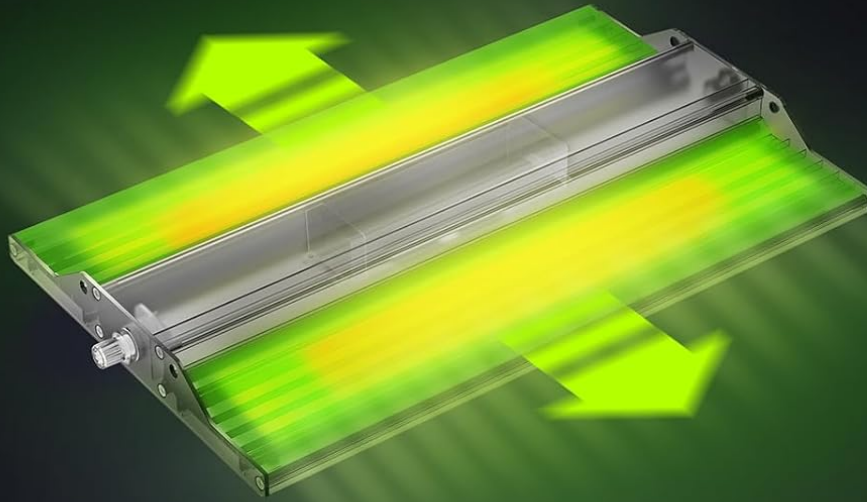


Image 4.1: Full Spectrum LED Configuration

UPGRADE HEAT DISSIPATION



Enhance cooling efficiency by

30%



Quiet Operation



Rapid Heat Dissipation

Image 4.2: Heat Dissipation System

5. SETUP

5.1 Mounting the Grow Light

1. Attach the stainless steel hooks to the mounting points on the top of the grow light.
2. Connect the rope hangers to the stainless steel hooks.
3. Hang the grow light in your desired location (e.g., inside a grow tent) using the rope hangers. Adjust the height as needed for your plants.

GROW LIGHT SYSTEM

A dimmable LED grow light designed to maximize plant yields with an optimized spectrum and aluminum heatsink.



Image 5.1: Grow Light Installation in a Tent

5.2 Electrical Connection

1. Ensure the dimmer knob on the light is set to 'OFF' (0%).
2. Connect the power cord to the grow light.
3. Plug the power cord into a standard 120V AC electrical outlet.

6. OPERATING INSTRUCTIONS

6.1 Dimmer Control

The VIPARSPECTRA P700 features a 4-level dimmer knob to adjust light intensity. Rotate the knob to

select desired brightness levels: 0% (OFF), 25%, 50%, 75%, or 100%.

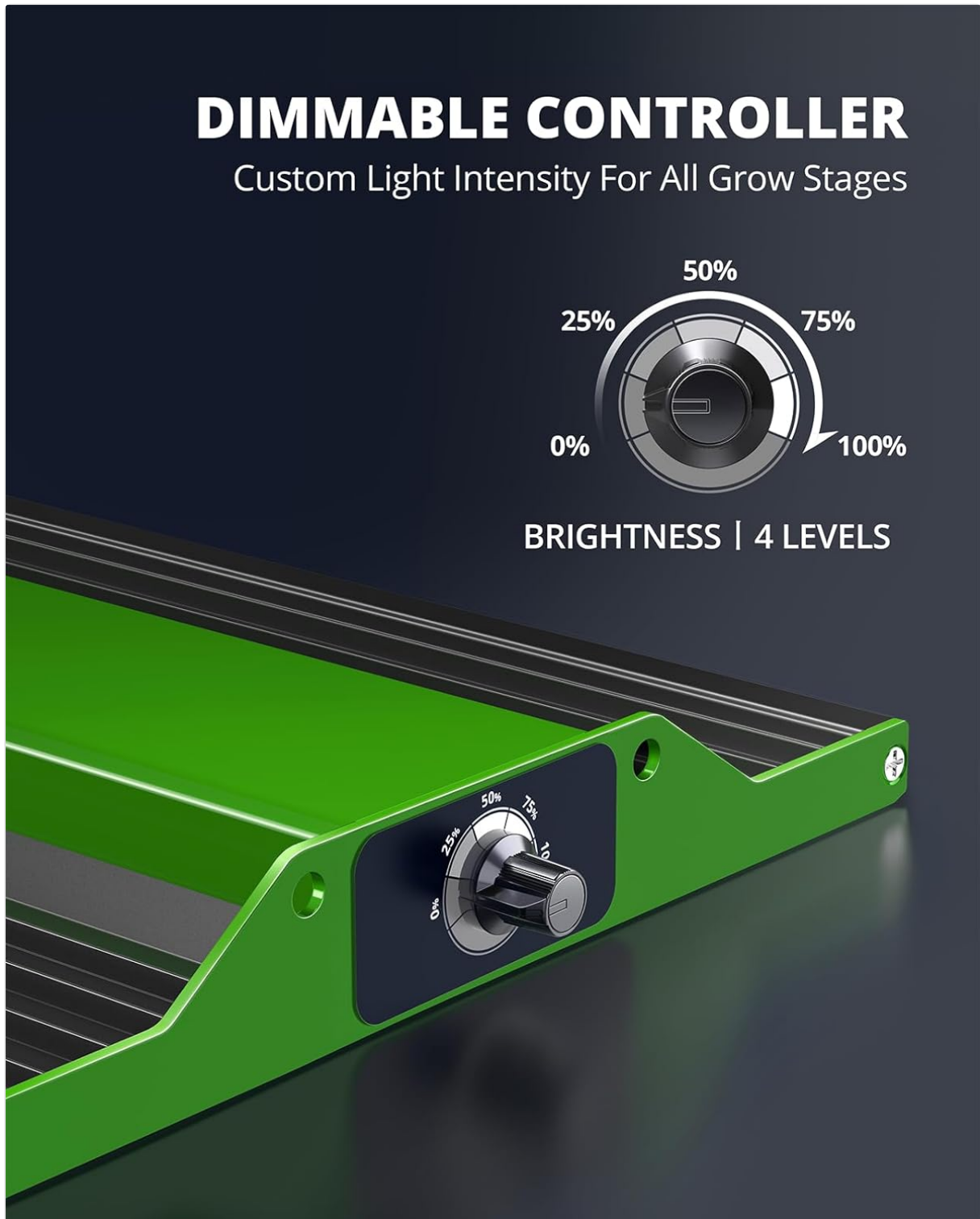


Image 6.1: Dimmable Controller

6.2 Recommended Growth Process Settings

The following table provides general recommendations for hanging distance, dimming levels, and light cycles for different plant growth stages. These are starting points and may need adjustment based on specific plant needs and environmental conditions.

Stage	Distance (in)	Dimming	Time (ON/OFF)
Germination	24" - 30"	50%	18hr ON / 6hr OFF
Seedling	24"	50% - 80%	18hr ON / 6hr OFF
Vegetative	18" - 24"	80% - 100%	18hr ON / 6hr OFF
Flowering	12" - 18"	100%	12hr ON / 12hr OFF

Table 6.1: Recommended Light Settings by Growth Stage

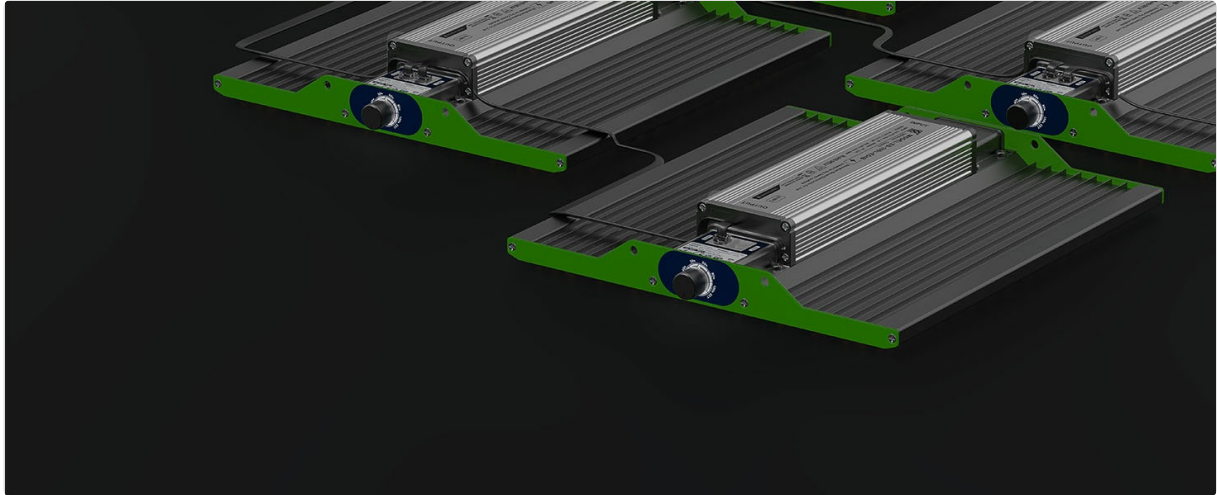
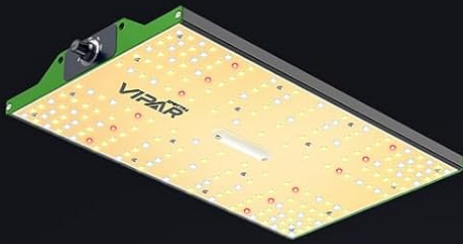


Image 6.2: Visual Guide for Growth Process Settings

6.3 PPF Map

The Photosynthetic Photon Flux Density (PPFD) map illustrates the light intensity distribution at various hanging heights. This data can help optimize light placement for uniform plant growth.

DEEPER, UNIFORM PENETRATION



P700 PPFD MAP

Tested in a 2 x 2 ft Grow Tent

70W
WATTAGE

2 x 2 ft
COVERAGE

Height: 8" (μmol/m²/s)

249	362	369	248
476	919	903	485
469	903	910	475
240	364	360	242

1020

2ft (60cm)

2ft (60cm)

Height: 12" (μmol/m²/s)

319	370	376	310
440	544	535	404
424	534	542	426
311	372	375	315

600

Height: 16" (μmol/m²/s)

322	354	364	325
400	415	423	407
400	412	407	401
330	355	350	326

432

Image 6.3: P700 PPFD Map for 2x2 ft Coverage

7. MAINTENANCE

7.1 Cleaning

To maintain optimal performance, periodically clean the light fixture. Ensure the light is unplugged and cool before cleaning. Use a soft, dry cloth to gently wipe away any dust or debris from the LED board and housing. Do not use liquid cleaners or abrasive materials.

7.2 Heat Management

The P700 is designed with a fanless aluminum heat sink for efficient passive cooling. Ensure adequate airflow around the fixture to assist in heat dissipation. Avoid placing the light in enclosed spaces without

ventilation.

8. TROUBLESHOOTING

- **Light Not Turning On:**

- Check if the power cord is securely connected to both the light and the electrical outlet.
- Ensure the dimmer knob is turned ON (not at 0%).
- Verify the electrical outlet is functioning correctly.

- **Dimmer Not Responding:**

- Ensure the knob is rotated firmly to each marked setting.
- If issues persist, contact customer support.

- **Compatibility with Controllers:**

- The VIPARSPECTRA P700 is designed for standalone operation with its integrated dimmer. Compatibility with third-party controllers (e.g., AC Infinity controller pro 69) is not guaranteed and may lead to improper function or damage. Consult VIPARSPECTRA customer service for specific compatibility inquiries.

9. SPECIFICATIONS

Specification	Detail
Model Number	P700
Brand	VIPARSPECTRA
Wattage	70 Watts
Brightness	10896 Lumens
Light Source Type	Light Emitting Diode (LED)
Spectrum	Full Spectrum (660nm red, 3000K & 5000K white)
Dimmable	Yes (4 levels)
Coverage Area	2x2 ft (Vegetative)
Product Dimensions	12.99"L x 7.87"W x 1.34"H
Item Weight	2.43 Pounds
Material	Aluminum
Voltage	120 Volts
Amperage	0.65 Amps
Number of Light Sources	216

10. WARRANTY AND SUPPORT

VIPARSPECTRA is committed to providing quality products and customer satisfaction. The P700 LED Grow Light comes with a trusted warranty. For professional guidance, customer service, or after-sales support, please contact VIPARSPECTRA directly. Our US local support team is available to assist you with any questions or concerns regarding your product.

Please refer to the official VIPARSPECTRA website or your purchase documentation for specific warranty terms and contact information.