## VIPARSPECTRA V1200

# VIPARSPECTRA 1200W LED Grow Light (Model V1200) User Manual

Comprehensive instructions for setup, operation, and maintenance.

## 1. Introduction

This manual provides detailed instructions for the safe and efficient use of your VIPARSPECTRA 1200W LED Grow Light, Model V1200. Please read this manual thoroughly before installation and operation to ensure optimal performance and plant growth.


Figure 1.1: VIPARSPECTRA 1200W LED Grow Light (Model V1200).

## 2. Safety Information

- Always disconnect power before installing, cleaning, or performing maintenance.
- Do not operate the light in wet or damp conditions. This product is designed for indoor use only.
- Ensure proper ventilation around the light to prevent overheating.
- Do not look directly into the LED lights when operating, as intense light can cause eye strain. Protective eyewear is recommended.
- Keep the light away from flammable materials.
- Do not attempt to modify or repair the unit yourself. Contact qualified personnel for service.
- Ensure the hanging system is securely installed and can support the weight of the fixture.

## 3. Package Contents

Verify that all items are present in the package:

- 1 x VIPARSPECTRA V1200 LED Grow Light
- 1 x User Instructions Manual
- 1 x 6ft Power Cord
- 1 x Hanging Kit


Figure 3.1: Contents of the VIPARSPECTRA V1200 LED Grow Light package.

## 4. Product Features

- **Optimal Full Spectrum:** Provides a balanced light spectrum suitable for all plant growth stages, from vegetative to flowering, mimicking natural sunlight.
- **Dual Channel Control:** Features independent VEG and BLOOM switches for customized lighting.
  - **VEG Channel:** Primarily blue and white LEDs, ideal for germinating seedlings and promoting early vegetative growth.
  - **BLOOM Channel:** Provides more red wavelengths, crucial for plants during the flowering and fruiting stages.

- Both channels can be used simultaneously for maximum growth performance throughout the plant cycle.

- **Efficient Power Consumption:** Replaces traditional 800W HPS/MH lamps while consuming only 520W of actual power.
- **Durable Construction:** Built with fire-resistant iron housing and upgraded aluminum cooling heat sinks.
- **Advanced Cooling System:** Equipped with high-speed, quiet fans for effective heat dissipation, maintaining optimal operating temperatures.


Figure 4.1: Full spectrum output and dual VEG/BLOOM switch functionality.

## 5. Setup and Installation

1. **Unpack the Light:** Carefully remove the grow light and all accessories from the packaging. Inspect for any damage.
2. **Assemble Hanging Kit:** Attach the provided hanging wires to the four corners of the light fixture. Ensure they are securely fastened.
3. **Mount the Light:** Hang the light fixture in your grow area using the hanging kit. Ensure the mounting point can safely support the light's weight (approximately 20 lbs). Use the adjustable rope hangers (if included or purchased separately) to

set the initial height.

4. **Connect Power:** Plug the 6ft power cord into the power inlet on the light fixture, then plug the other end into a standard 120V AC outlet. Ensure the outlet is properly grounded.


Figure 5.1: Example setup of the grow light within a grow tent.

## 6. Operation

### 6.1. VEG and BLOOM Switches

The VIPARSPECTRA V1200 features two independent switches to optimize the light spectrum for different plant growth stages:

- **VEG Switch:** Activates the blue and white LEDs, suitable for the vegetative growth phase (seedlings, clones, and early plant development).
- **BLOOM Switch:** Activates the red LEDs, ideal for the flowering and fruiting phase, promoting bud and fruit development.
- For maximum growth and yield, both VEG and BLOOM switches can be turned ON simultaneously during the flowering and

fruiting stages.

## 6.2. Recommended Hanging Height and Lighting Schedule

Adjust the hanging height and lighting duration based on your plant's growth stage. The following are general recommendations:

| Growth Stage | Hanging Height | Lighting Schedule | Switches ON | Coverage Area |
|---|---|---|---|---|
| **Acclimation Period** | 40-44 inches above canopy | 10 hours ON / 14 hours OFF | VEG ON / BLOOM OFF | N/A |
| **Young Vegetative** | 36-40 inches above canopy | 12 hours ON / 12 hours OFF | VEG ON / BLOOM OFF | N/A |
| **Vegetative Stage** | 28-36 inches above canopy | 18 hours ON / 6 hours OFF | VEG ON / BLOOM ON | 4.5' x 4.5' |
| **Flowering Stage** | 20-24 inches above canopy | 12 hours ON / 12 hours OFF | VEG ON / BLOOM ON | 3.5' x 3.5' |

*Note:* Always observe your plants closely and adjust the light height as needed to prevent light stress or stretching. The optimal height can vary based on plant type and environmental conditions.

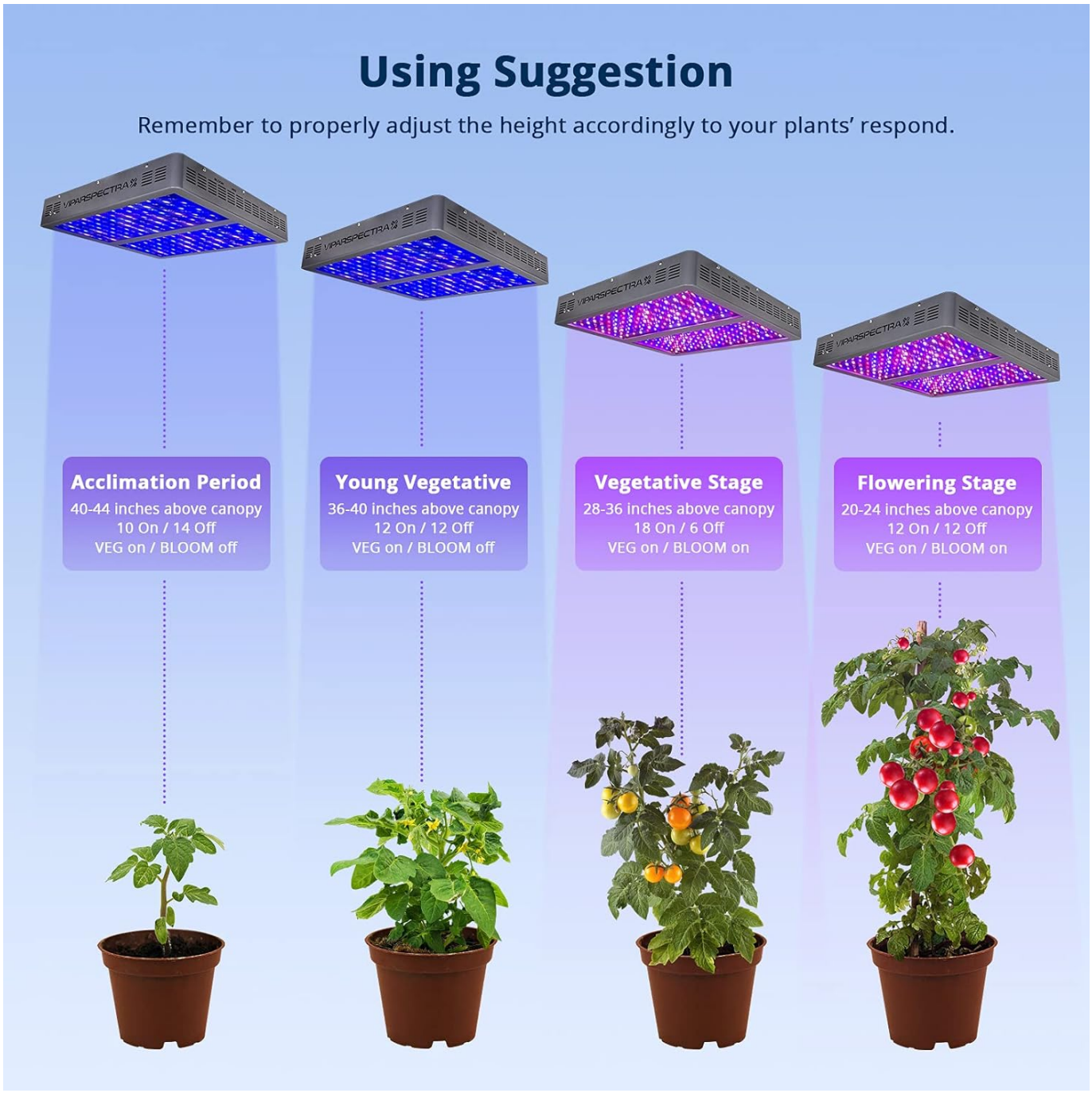


Figure 6.1: Recommended hanging heights and light schedules for various plant growth stages.

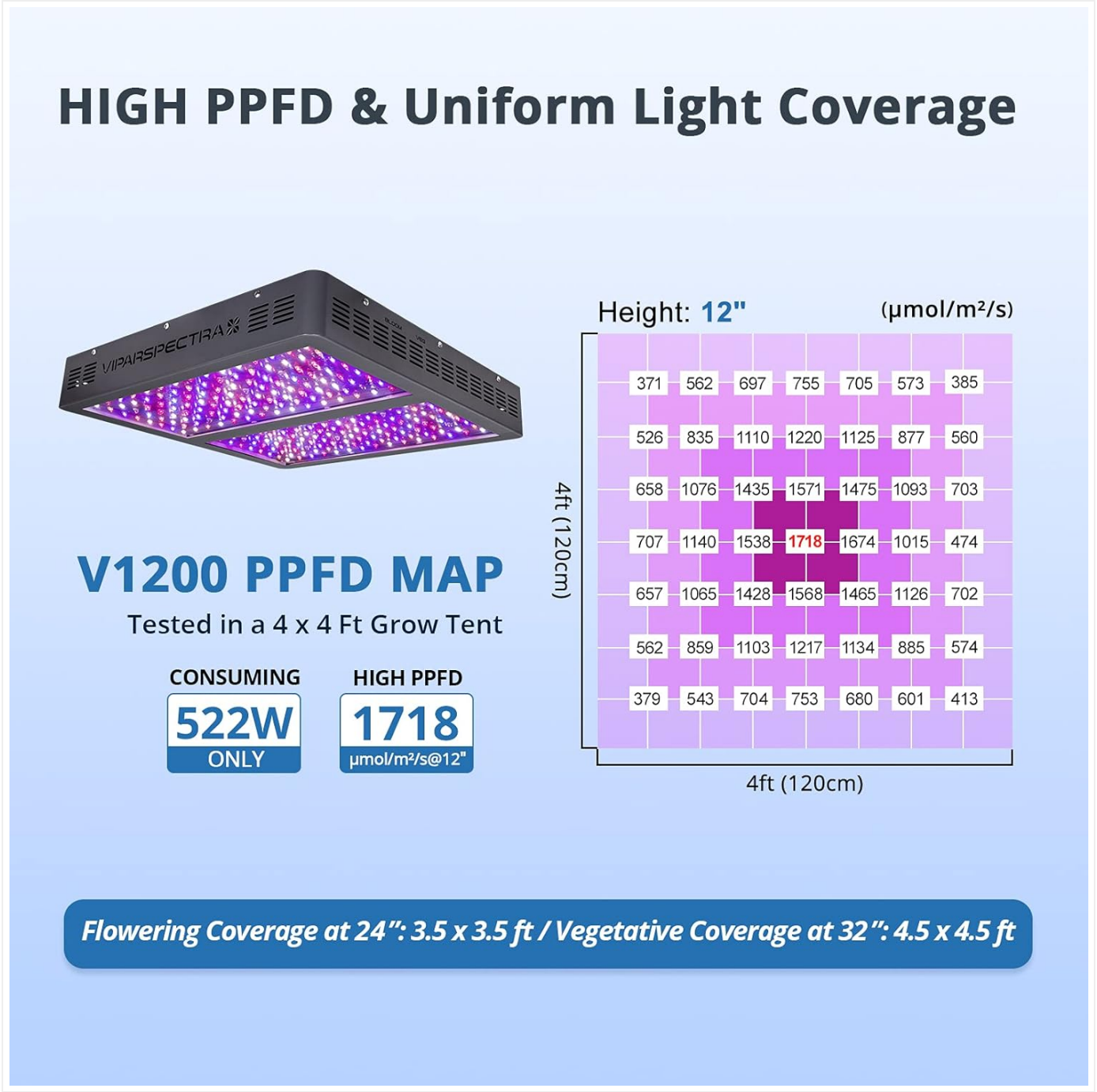


Figure 6.2: PPFD map and recommended coverage areas for vegetative and flowering stages.

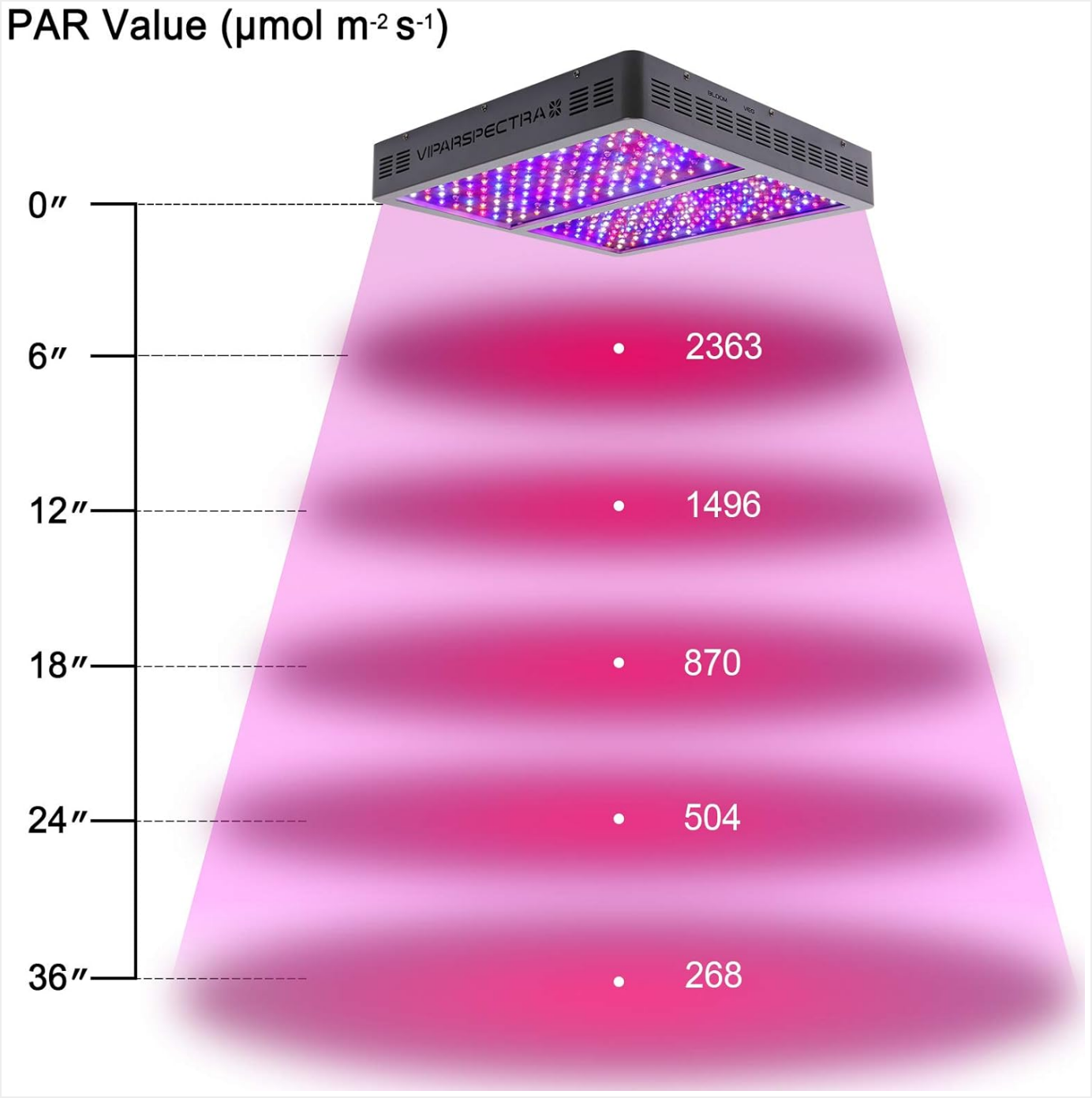


Figure 6.3: PAR values at different hanging heights.

## 7. Maintenance

- **Cleaning:** Ensure the light is unplugged and cool before cleaning. Gently wipe the surface of the LEDs and the fixture with a soft, dry cloth to remove dust and debris. Do not use liquid cleaners directly on the LEDs.
- **Ventilation:** Regularly check that the cooling fans are free from obstructions and operating correctly. Ensure adequate airflow around the fixture.
- **Cable Inspection:** Periodically inspect the power cord and hanging wires for any signs of wear or damage. Replace immediately if damage is found.

## 8. Troubleshooting

| Problem | Possible Cause | Solution |
| --- | --- | --- |

| Problem | Possible Cause | Solution |
|---|---|---|
| Light does not turn on. | No power, loose connection, switch off. | Check power outlet, ensure power cord is securely plugged in, verify VEG/BLOOM switches are ON. |
| Some LEDs appear dim or off. | Infrared (IR) LEDs are not visible to the naked eye. | This is normal for IR LEDs. They are functioning correctly even if they appear off. |
| Light is too hot. | Poor ventilation, obstructed fans. | Ensure adequate airflow around the fixture. Clean any dust or debris from the fans and heat sinks. |
| Plants show signs of stress (e.g., bleaching, burning). | Light is too close to the plants. | Increase the hanging height of the light. Refer to the recommended hanging heights in Section 6.2. |

## 9. Specifications

| Feature | Detail |
|---|---|
| **Model Number** | V1200 |
| **Brand** | VIPARSPECTRA |
| **Actual Power Consumption** | 520 Watts (approx. 506 watts from specifications) |
| **Voltage** | 120 Volts |
| **Light Source Type** | LED |
| **Number of Light Sources** | 240 |
| **Product Dimensions (L x W x H)** | 19.4" x 19.4" x 3" |
| **Item Weight** | 20 Pounds |
| **Material** | Iron, Aluminum |
| **Special Feature** | VEG & BLOOM Switches |
| **Indoor/Outdoor Usage** | Indoor |
| **Brightness** | 52000 Lumen |
| **UPC** | 681013748631 |

## 10. Warranty and Support

For warranty information, product support, or technical assistance, please contact VIPARSPECTRA customer service. Refer to the product packaging or the official VIPARSPECTRA website for the most current contact details.
Keep your purchase receipt as proof of purchase for warranty claims.