**Spider Farmer G5000**

# Spider Farmer G5000 LED Grow Light User Manual

Model: G5000 | Brand: Spider Farmer

## 1. Introduction

The Spider Farmer G5000 LED Grow Light is engineered to provide efficient and uniform lighting for indoor plants, supporting all stages of growth from seedling to harvest. Its advanced design ensures optimal light distribution and deep canopy penetration, making it an ideal choice for both home growers and commercial operations. This manual will guide you through the setup, operation, and maintenance of your new grow light, ensuring you achieve the best possible results for your plants.




*Figure 1: Spider Farmer G5000 LED Grow Light*

## 2. Product Features

- **Maximum Efficiency and Uniform Light:** The G5000 features a unique extended light bar design with 1680 high-efficiency diodes, providing comprehensive canopy coverage. It draws 480 watts of power, achieving an impressive PPE of 2.8 umol/J, ideal for a 4x4 feet grow area.




*Figure 2: Ultra-Dense Diodes for Supreme Cost-Effective Performance*

- **Advanced Full Spectrum:** This plant light offers a full spectrum (660-665nm, 3200-4200K, 4800-5000K) suitable for every stage of plant growth, from seeding to flowering.

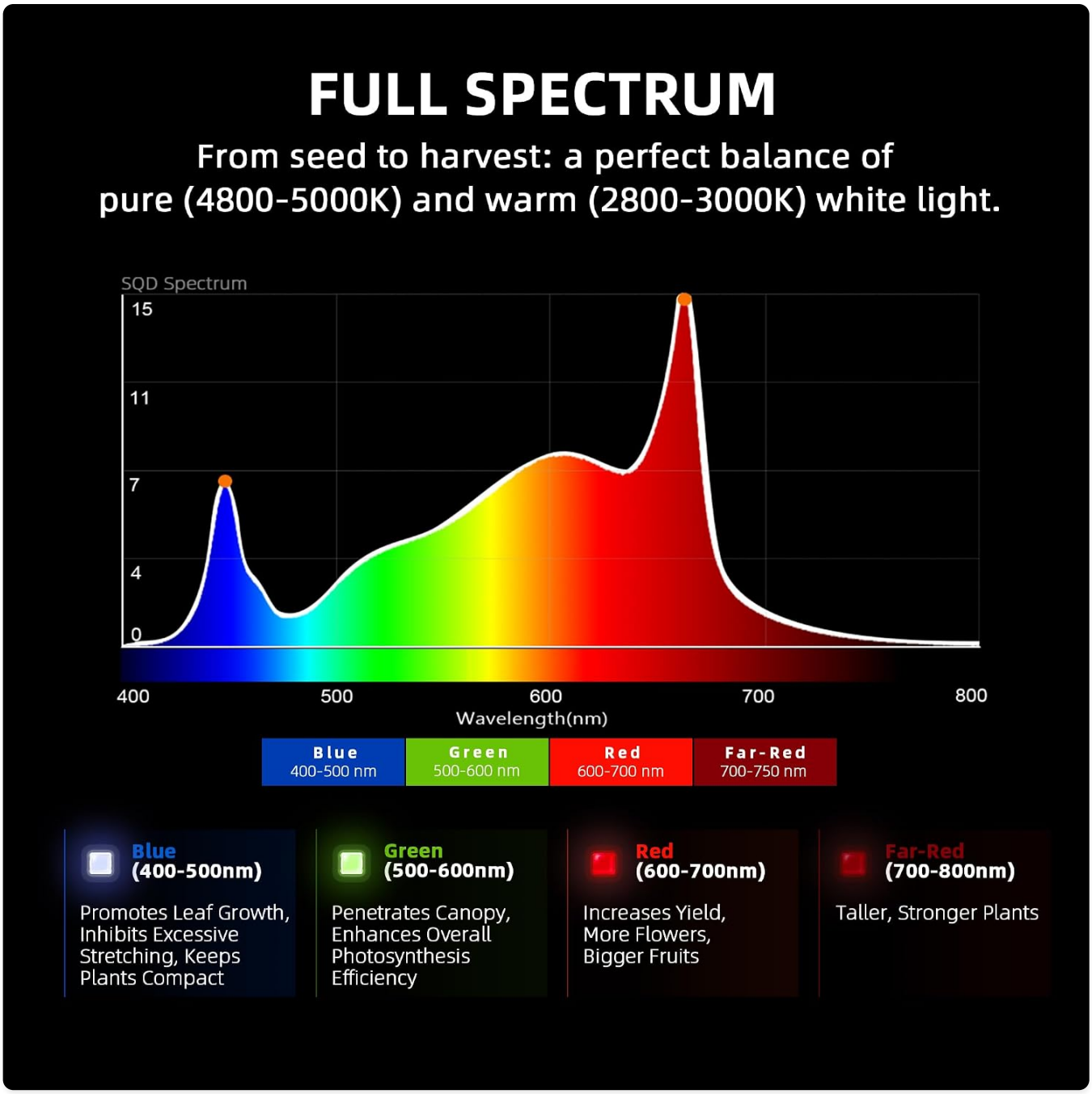



*Figure 3: Full Spectrum for All Growth Stages*

- **Digital Precision Dimming & Daisy Chain:** The dimming button allows brightness adjustment from 10-100%. The daisy chain function supports connecting up to 60 lights for simultaneous dimming, perfect for large grow rooms.




*Figure 4: Digital Precision Dimming Control*




*Figure 5: Daisy Chain Dimming for Multiple Lights*

- **Smart App Remote Control:** Manage your grow light anytime, anywhere with the Spider Farmer App (available on Apple Store & Google Play). Features include custom light schedules, sunrise and sunset simulation, and remote brightness adjustments.




*Figure 6: App Remote Control Interface*

## 3. Setup & Installation

The Spider Farmer G5000 LED Grow Light is designed for quick and easy setup with zero assembly required. Simply unfold the light and connect the necessary components.

### 3.1 Unboxing and Initial Setup

Upon receiving your G5000, carefully remove it from the packaging. The light is pre-assembled and designed to unfold for immediate use. Ensure all components, including the driver and dimmer, are present and undamaged.




*Figure 7: Unfolding the G5000 for Instant Use*

### 3.2 Hanging the Grow Light

Use the provided hanging kits to suspend the light securely within your grow tent or space. Ensure the light is level and at the appropriate height for your plants' current growth stage. Refer to the 'Operating Instructions' section for recommended hanging heights.

### 3.3 Connecting the Driver and Dimmer

Connect the light bars to the central driver unit. The detachable driver allows for flexible placement. Connect the dimmer box to the designated port on the driver. Once all connections are secure, plug the power cord into a suitable electrical outlet.

*Video 1: What's Inside the New G5000? Unboxing the Grow Light Beast! This video provides a detailed look at the components and initial unboxing process of the Spider Farmer G5000.*

*Video 2: Unboxing and Setup the Spider Farmer G5000. This video demonstrates the complete unboxing and setup*

*procedure for the G5000 grow light.*

## 4. Operating Instructions

### 4.1 Manual Dimming

The G5000 features a manual dimming knob on the driver unit. Rotate the knob to adjust the light intensity from 10% to 100% to suit the specific needs of your plants at different growth stages.

### 4.2 Smart App Control

For advanced control, download the Spider Farmer App from the Apple App Store or Google Play. The app allows for:

- **Custom Light Schedules:** Set precise on/off times for your grow light.
- **Sunrise & Sunset Simulation:** Mimic natural light cycles for healthier plant development.
- **Remote Brightness Adjustments:** Control the dimming from your smartphone.
- **High Temperature Protection:** Configure the light to automatically dim or turn off if the temperature exceeds a set limit.

*Video 3: Smart App Control for Spider Farmer SE & G Grow Lights. This video demonstrates how to use the Spider Farmer app to control your grow light's settings.*

### 4.3 Recommended Growing Tips

The following table provides general guidelines for light intensity and duration based on plant growth stages. These are starting points and may need adjustment based on specific plant needs and environmental conditions.

| Stage | Time (Light On) | Distance (from canopy) | Dimming Percentage |
|---|---|---|---|
| Seedling | 18H ON | 16" (40cm) | 20% - 25% |
| Vegetative | 18H ON | 16" (40cm) | 45% - 50% |
| Flowering | 12H ON | 16" (40cm) | 85% - 100% |

*Table 1: Recommended Growing Tips (Based on 4x4ft coverage)*

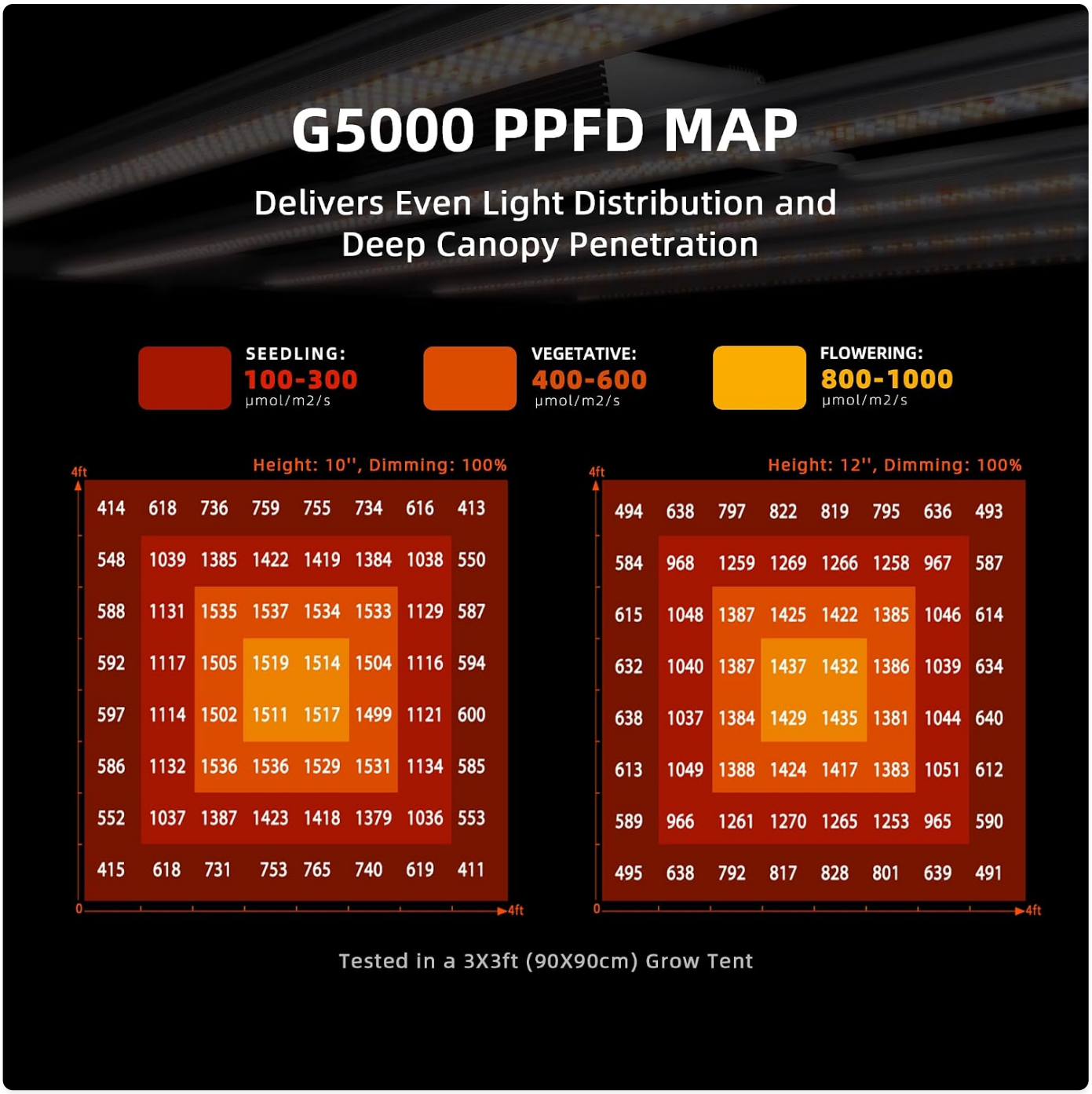



*Figure 8: G5000 PPFD Map for Even Light Distribution*

## 5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Spider Farmer G5000 LED Grow Light.

- **Cleaning:** Regularly wipe down the light bars and driver with a soft, dry cloth to remove dust and debris. Ensure the light is unplugged before cleaning. Avoid using harsh chemicals or abrasive materials.
- **Inspecting Connections:** Periodically check all electrical connections to ensure they are secure and free from corrosion or damage.
- **Handling:** Always handle the light with care. *Do not touch the LED diodes directly*as oils from your skin can reduce their lifespan and efficiency.
- **Ventilation:** Ensure adequate airflow around the light to prevent heat buildup, especially in enclosed grow spaces. The bar-style design and heavy aluminum heatsinks are designed to enhance heat dissipation.

## 6. Troubleshooting

If you encounter any issues with your Spider Farmer G5000, refer to the common troubleshooting steps below:

- **Light Not Turning On:**
  - Check if the power cord is securely plugged into both the light and the electrical outlet.
  - Ensure the dimmer knob is not set to 0%. If it is, press the knob to reactivate the light.
  - Verify that the power outlet is functional by plugging in another device.
- **Dimmer Not Responding:**
  - If the dimmer knob stops working or shows 0%, press the knob firmly to reset it.
  - Ensure the app control is not overriding manual settings if you are attempting to use the physical knob.
- **Overheating:**
  - Ensure proper ventilation in your grow space. Use fans to circulate air and exhaust hot air.
  - Check if the light's temperature protection feature is activated via the app, which might be dimming or turning off the light to prevent damage.
  - Consider increasing the distance between the light and the plant canopy if heat is affecting plants.
- **Uneven Plant Growth:**
  - Refer to the PPFD map (Figure 8) and adjust the light height and dimming percentage to ensure uniform light distribution across your canopy.
  - Ensure plants are evenly spaced under the light.

## 7. Specifications

| Specification | Detail |
| --- | --- |
| Model Number | Spider Farmer G5000 |
| Power Draw | 480 Watts |
| PPE | 2.8 umol/J |
| Coverage Area | 4x4 ft (High-yielding full-cycle growth) |
| Light Source Type | LED (1680 Pcs high efficiency diodes) |
| Spectrum | Full Spectrum (660-665nm, 3200-4200K, 4800-5000K) |
| Dimming | 10-100% Dimmable |
| Daisy Chain Capacity | Up to 60 lights |
| Control | Manual Knob, App Remote Control |
| Material | Aluminum |
| Product Dimensions | 33.65"L x 33.57"W x 3.04"H |

| Specification | Detail |
|---|---|
| Item Weight | 18.81 pounds |
| Voltage | 120 Volts |
| Certification | CE |

## 8. Warranty & Support

The Spider Farmer G5000 LED Grow Light comes with an impressive 5-year coverage, ensuring long-lasting performance and reliability. Spider Farmer is committed to providing excellent customer service.

- **Warranty Coverage:** Enjoy peace of mind with a 5-year warranty on your G5000 grow light. This covers manufacturing defects and ensures reliable operation.
- **Customer Support:** For any questions, technical assistance, or warranty claims, please contact our U.S.-based service center. You can find contact details on the official Spider Farmer website or through your purchase platform.

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