Spider Farmer UVR6030

Spider Farmer UV60 & IR30 LED Supplemental Grow Light User Manual

Brand: Spider Farmer | Model: UVR6030

1. Introduction

This manual provides essential information for the safe and effective use of your Spider Farmer UV60 & IR30 LED Supplemental Grow Light. Please read these instructions thoroughly before installation and operation to ensure optimal performance and plant health. This supplemental light is designed to enhance plant growth by providing specific UV (365-370nm) and IR (730-745nm) spectrums.

2. Safety Information

- Always disconnect power before installation, cleaning, or maintenance.
- Do not look directly into the LED lights when they are operating, as this may cause eye strain or damage.
- Ensure the light is installed in a well-ventilated area to prevent overheating.
- Keep the light away from water and moisture. This product is waterproof, but direct exposure to excessive water should be avoided.
- Do not attempt to modify or disassemble the light. This will void the warranty and may lead to electrical hazards.
- Use only the provided components and accessories for installation.

3. Package Contents

Verify that all components are present in the package:

- 2 x UV Light Bars (35.4 inches / 90cm)
- 2 x IR Light Bars (35.4 inches / 90cm)
- 8 x Ratchet Hangers
- 2 x Brackets (for mounting)



Image: Package contents including UV and IR light bars, hangers, and brackets.

4. Product Features

- **Optimal Spectrum:** Features 365-370nm UV diodes and 730-745nm IR diodes for targeted supplemental lighting.
- **High-Density LED Array:** Each UV light bar contains 120 diodes, and each IR light bar contains 88 diodes, ensuring powerful supplementary light.
- **Durable Construction:** Crafted from premium aluminum and copper for long-lasting performance and reliability.
- **Easy Installation:** Includes quick-mount brackets for secure and optimal positioning.
- **Compatibility:** Designed for use with main grow lights and compatible with GGS AC5/AC10 power kits for

smart control.

- **Waterproof Design:** Suitable for grow tent environments.



Image: Close-up of a UV light bar, showing the dense arrangement of blue diodes.



Image: Close-up of an IR light bar, showing the dense arrangement of red diodes.

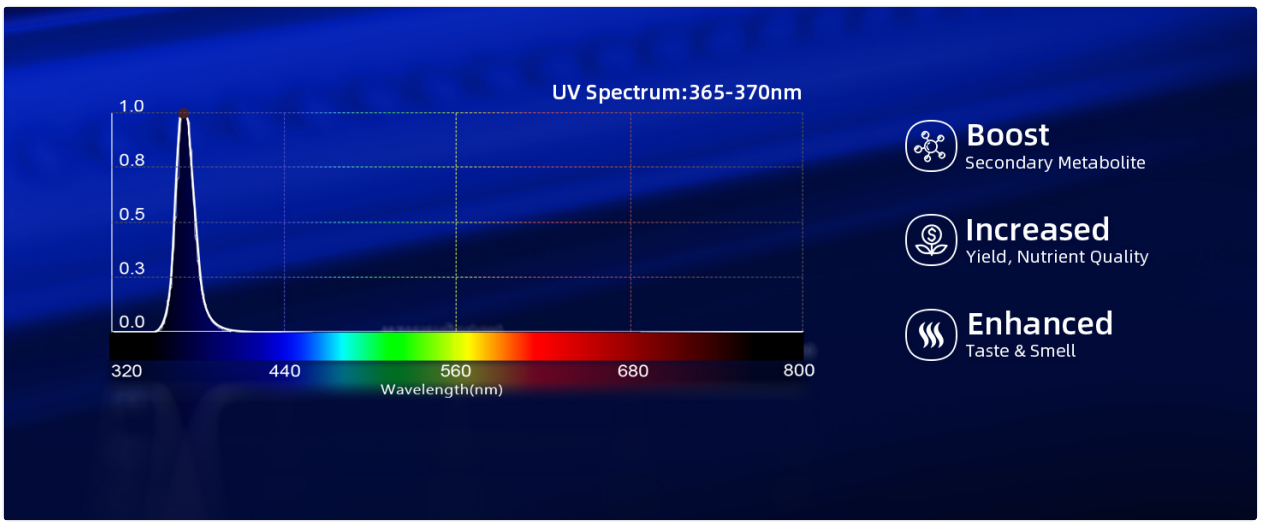


Image: UV Spectrum (365-370nm) graph.

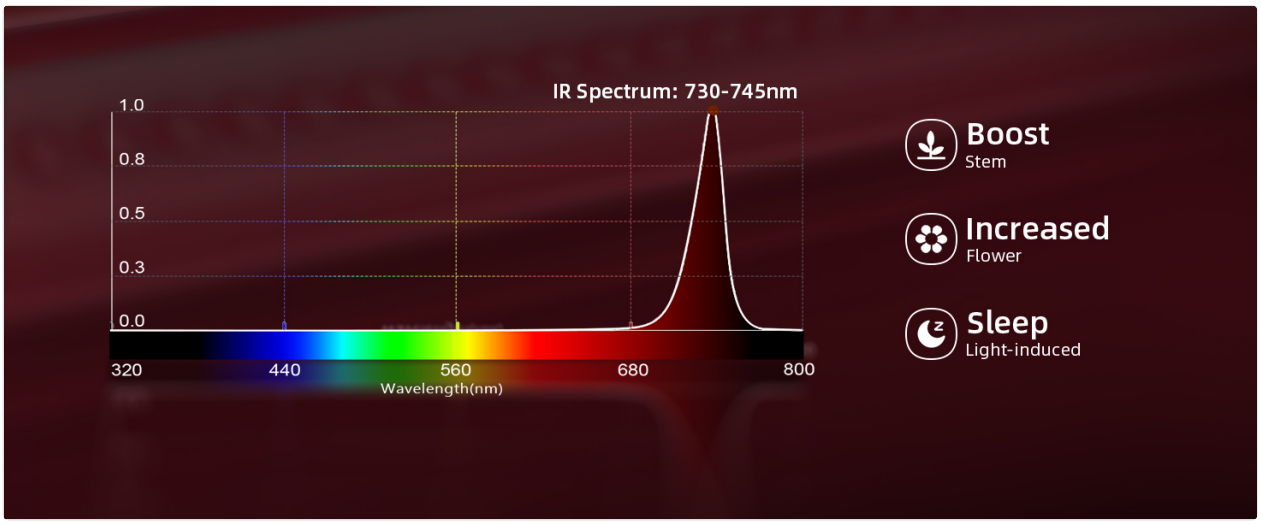


Image: IR Spectrum (730-745nm) graph.

5. Installation

Follow these steps to install your UV60 & IR30 supplemental grow lights:

1. **Determine Placement:** Identify the optimal location for the supplemental lights within your grow tent or setup. The UV60 & IR30 bars are 35.4 inches long and are suitable for 2x4 or 5x5 grow tents.
2. **Attach Brackets:** Secure the provided quick-mount brackets to your main grow light fixture or grow tent frame. These brackets are designed to maintain the optimal lighting angle and prevent shifting.
3. **Mount Light Bars:** Carefully attach the UV and IR light bars to the installed brackets. Ensure they are securely fastened.
4. **Connect Power:** Connect the fixed cables of the light bars to a compatible power source. For smart control, integrate with GGS AC5/AC10 power kits (sold separately).
5. **Adjust Height:** Use the ratchet hangers to adjust the height of the supplemental lights as needed, ensuring appropriate distance from your plants.



Image: Supplemental lights installed in a grow tent with custom brackets.

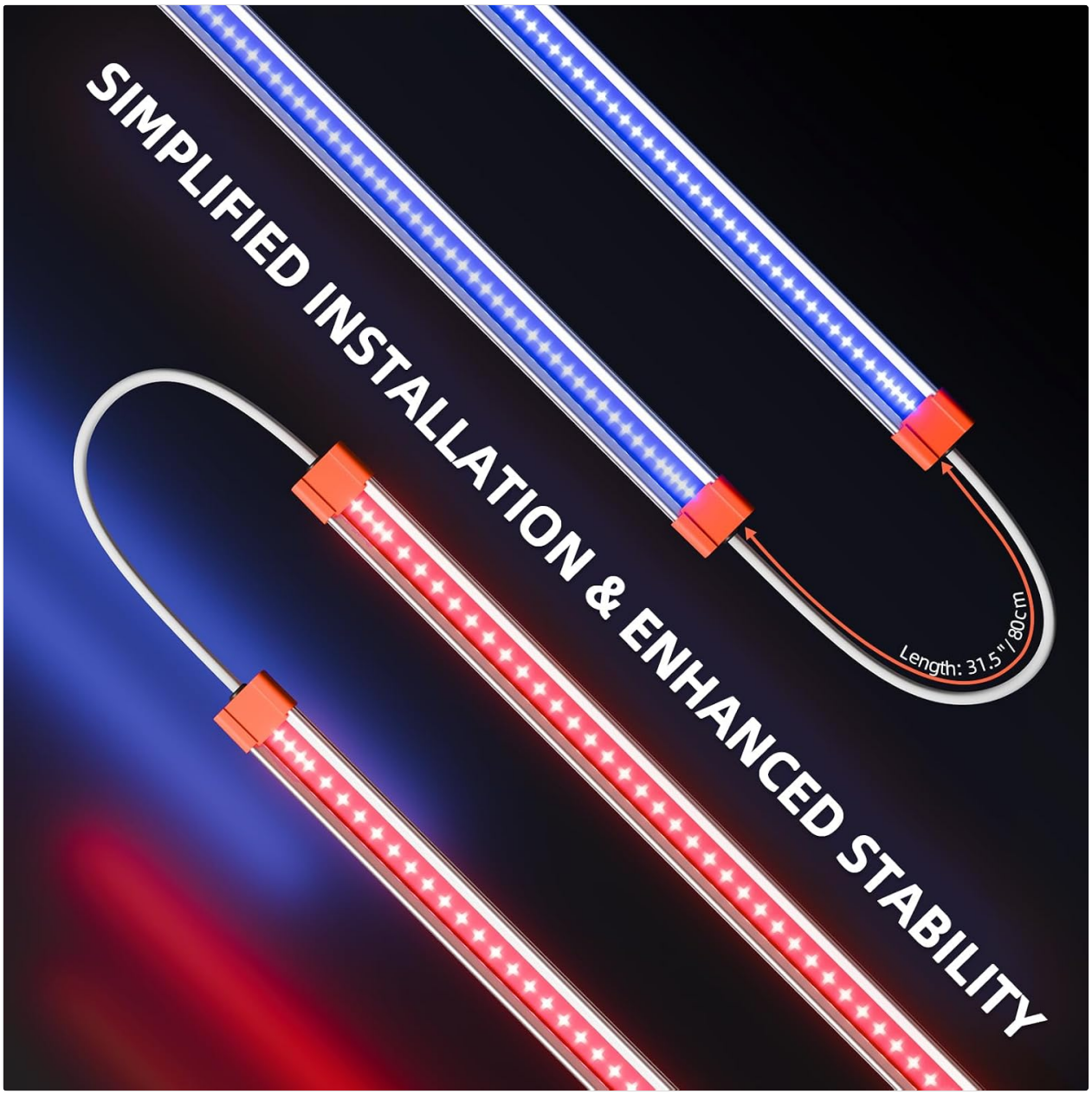


Image: Simplified installation and enhanced stability features.

6. Operation

The UV60 & IR30 supplemental lights are designed to work in conjunction with your main grow light. Proper timing and duration are crucial for maximizing benefits.

6.1 Recommended Usage

- **UV Light (365-370nm):** Adjust UV lighting based on the plant's growth stage. It is not recommended to use UV throughout the entire duration of plant growth.
- **IR Light (730-745nm):** For flowering stages, it is recommended to use IR light approximately 15 minutes before your main light switches on and 15 minutes after your main light turns off. This can help accelerate root and flowering growth.

6.2 Smart Control (Optional)

If using GGS AC5/AC10 power kits, you can automate timed switching via the associated app for precise control over your supplemental lighting schedule.

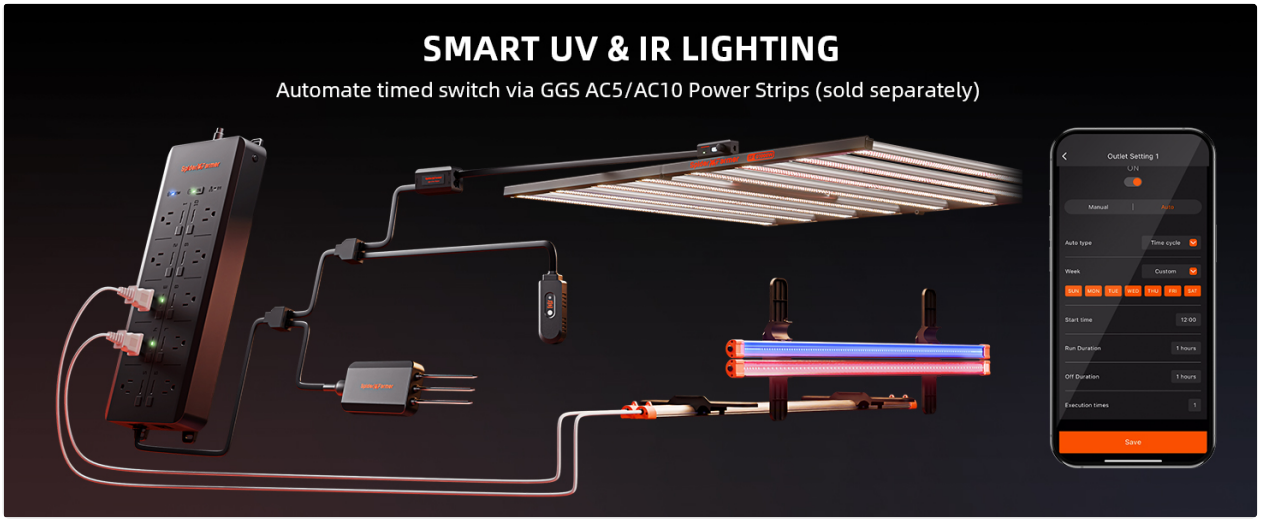


Image: Smart UV & IR lighting setup with GGS power strips and app control.

6.3 Compatibility Guide

Refer to the tables below for recommended supplementary lighting configurations based on your existing grow light model or grow tent size.

Recommended Supplementary Lighting for Grow Light Models

Light Model	Recommended Length of Light Bars
G3000 / SE3000	UV30 / IR16 / R30 (length: 23.6 Inch)
G4500 / SE4500	UV30 / IR16 / R30 (length: 23.6 Inch)
G5000 / SE5000	UV30 / IR16 / R30 (length: 23.6 Inch)
G8600 / SE7000	UV60 / IR30 / R60 (length: 35.4 Inch)
G1000W / SE1000W	UV60 / IR30 / R60 (length: 35.4 Inch)
SF1000 / SF1000D / SF2000 / SF2000 Pro / SF4000	UV30 / IR16 / R30 (length: 23.6 Inch)
SF7000	UV60 / IR30 / R60 (length: 35.4 Inch)

Recommended Number of Light Bars for Grow Tent Sizes

Grow Tent Size	Recommended Number of Light Bars
2x2	2 x UV30 / IR16 / R30 (length: 23.6 Inch)
2x4	2 x UV30 / IR16 / R30 (length: 23.6 Inch)
3x3	2 x UV30 / IR16 / R30 (length: 23.6 Inch)
4x4	4 x UV30 / IR16 / R30 (length: 23.6 Inch)
5x5	4 x UV60 / IR30 / R60 (length: 35.4 Inch)

7. Maintenance

Regular maintenance ensures the longevity and efficiency of your grow light:

- **Cleaning:** Periodically wipe the light bars with a soft, dry cloth to remove dust and debris. Ensure the light is unplugged before cleaning.
- **Inspection:** Regularly check cables and connections for any signs of wear or damage. Replace any damaged components immediately.
- **Ventilation:** Ensure adequate airflow around the light bars to prevent heat buildup.

8. Troubleshooting

If you encounter issues with your Spider Farmer UV60 & IR30 LED Grow Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light bars do not turn on	No power supply; Loose connection; Faulty power adapter	Check power outlet; Ensure all connections are secure; Test with a different power source if possible.
Partial LEDs not working	Individual diode failure; Internal wiring issue	Contact customer support for assistance. Do not attempt to repair.
Light bars overheating	Poor ventilation; Obstruction of heat dissipation fins	Ensure adequate airflow around the lights; Clear any obstructions.
Inconsistent light output	Power fluctuation; Connection issue	Verify stable power supply; Check all cable connections.

If the problem persists after attempting these solutions, please contact Spider Farmer customer support.

9. Specifications

Specification	Detail
Model	UVR6030
UV Wavelength	365-370nm
IR Wavelength	730-745nm
Dimensions (each bar)	35.4 x 1.18 x 1.34 inches (90 x 3 x 3.4 cm)
Wattage	60 Watts (total for the set)
Item Weight	6.24 pounds (2.84 Kilograms)
Lifespan	50,000 hours
Material	Aluminum and Copper
Water Resistance Level	Waterproof
Included Components	Light kit included (UV & IR bars, hangers, brackets)



Image: Product dimensions of the light bars.

10. Warranty and Support

Spider Farmer products are built for durability and performance.

- **Warranty:** This product comes with a 5-year warranty, ensuring long-lasting performance and reliability.
- **Customer Support:** For any questions, technical assistance, or warranty claims, please contact Spider Farmer customer service through their official website or your purchase platform.