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BESTVA DC4000

BESTVA DC4000 LED Grow Light Instruction Manual

1. Introduction

The BESTVA DC4000 LED Grow Light is engineered to provide a full spectrum of light for indoor plants throughout all their growth stages, from seedling to flowering and fruiting. This high-efficiency light consumes only 400 watts while delivering performance comparable to traditional 4000-watt lamps. It is ideal for a 4x4ft indoor vegetable garden, with a maximum coverage of 5x5ft for home herbs and leafy greens. The light features an optimized blend of 3000K, 5000K, 460nm, and 660nm wavelengths to closely mimic natural sunlight, promoting healthy and vigorous plant development.



Figure 1: The BESTVA DC4000 LED Grow Light, showcasing its full array of LEDs designed for comprehensive plant growth support.

2. Setup Instructions

Follow these steps to properly set up your BESTVA DC4000 LED Grow Light:

1. **Unpacking:** Carefully remove the grow light and all accessories from the packaging. Inspect for any signs of damage during transit.
2. **Mounting:** The light is designed for ceiling mount installation. Use the included hanging kits to suspend the light securely above your plants. Ensure the mounting location can support the weight of the fixture. Maintain an appropriate distance from the plant canopy (refer to Operating Instructions for guidance).
3. **Power Connection:** Connect the provided power cord to the light fixture and then plug it into a standard 120V electrical outlet. Ensure the outlet is properly grounded.

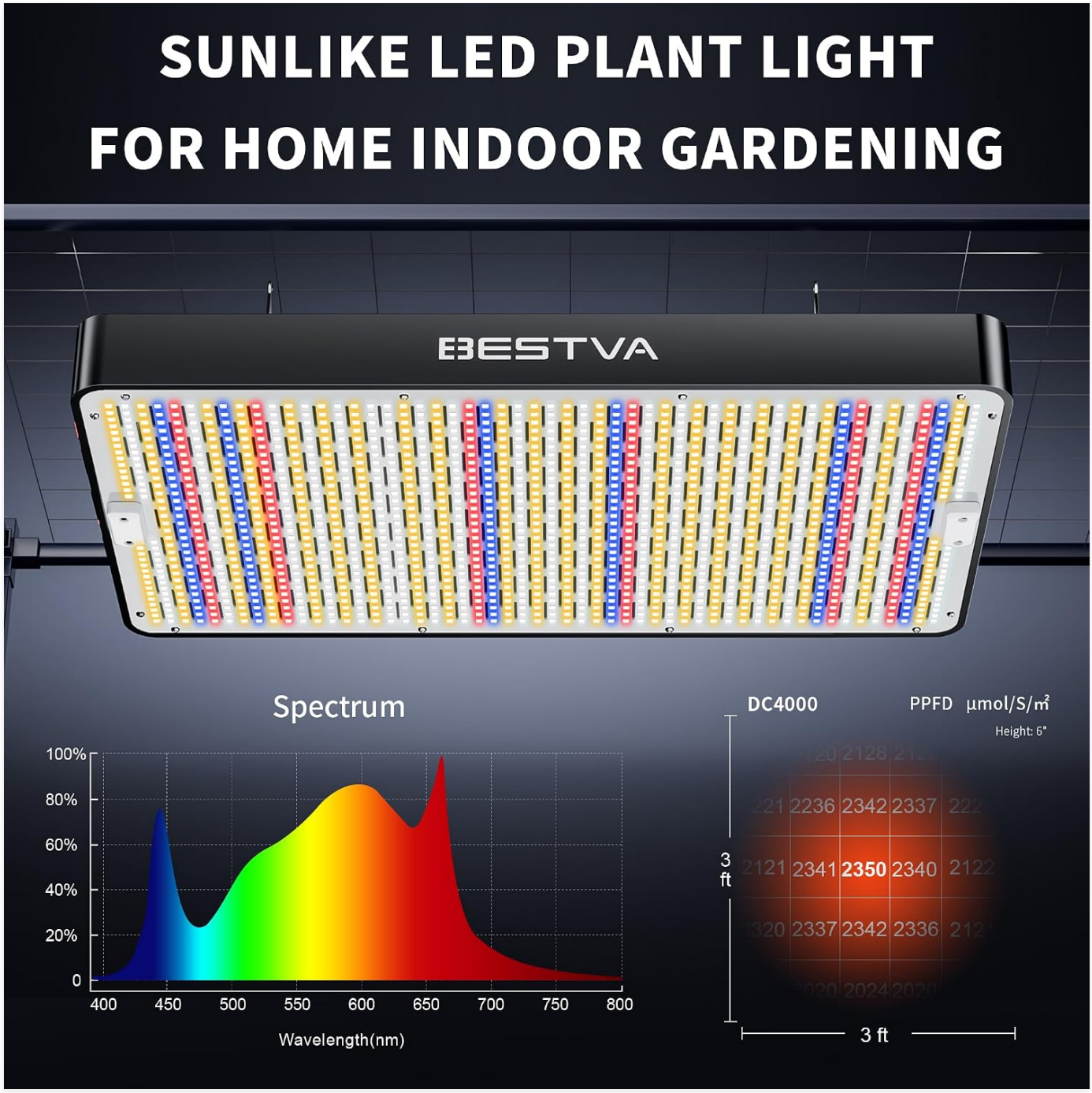


Figure 2: The BESTVA DC4000 LED Grow Light suspended above plants, illustrating a typical setup for indoor gardening.

3. Operating Instructions

The BESTVA DC4000 LED Grow Light offers adjustable modes to cater to different plant growth requirements:

- **Dual Switch Design:** The light features two independent switches: 'VEG' and 'BLOOM'.
  - **VEG Mode:** Activates the blue and white LEDs, promoting lush vegetative growth, ideal for seedlings and early plant development.
  - **BLOOM Mode:** Activates the red and warm white LEDs, supporting the flowering and fruiting stages of plants.
  - **VEG & BLOOM Mode:** Both switches can be turned on simultaneously to provide a full spectrum for maximum growth and yield during intense growth phases.
- **Sunlike Spectrum:** The light utilizes a blend of 3000K (warm white), 5000K (white light), 460nm (blue light), and 660nm (red light) LEDs to deliver a spectrum closely resembling natural sunlight.
- **Recommended Hanging Height and Duration:**
  - **Seedling Stage:** Hang the light approximately 24-30 inches above the plants for 14-18 hours per day (VEG mode).

- **Vegetative Stage:** Hang the light approximately 18-24 inches above the plants for 12-16 hours per day (VEG mode or VEG & BLOOM mode).
- **Flowering/Fruiting Stage:** Hang the light approximately 12-18 inches above the plants for 10-12 hours per day (BLOOM mode or VEG & BLOOM mode).

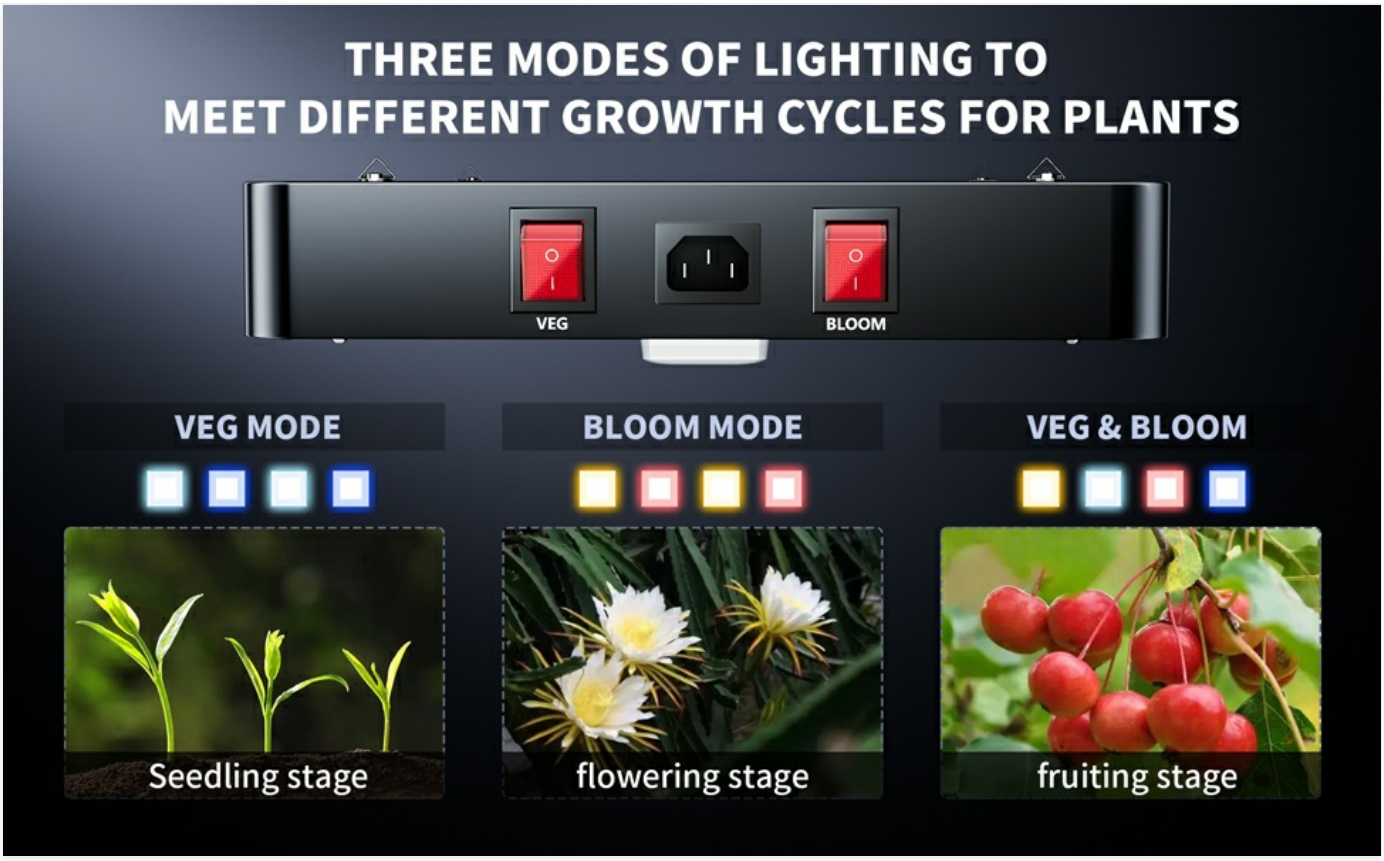


Figure 3: The dual switch design of the BESTVA DC4000 LED Grow Light, enabling users to select between VEG and BLOOM modes for tailored plant lighting.

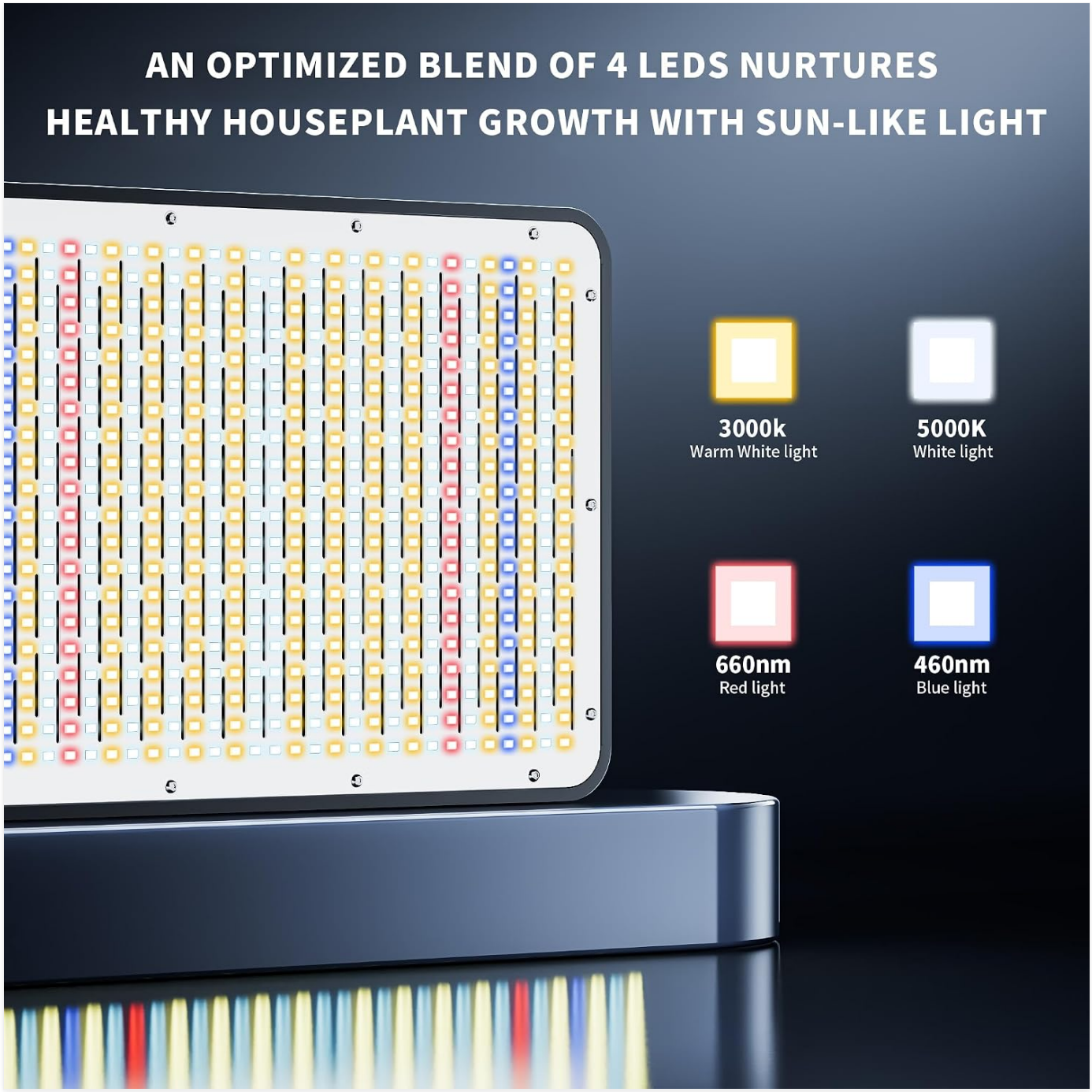


Figure 4: A detailed view of the BESTVA DC4000 LED array, showcasing the specific LED types (3000K, 5000K, 460nm, 660nm) that create its full spectrum output.

4. Maintenance

Regular maintenance ensures the longevity and optimal performance of your grow light:

- **Cleaning:** Periodically wipe the LED surface and the light fixture with a soft, dry cloth to remove dust and debris. Ensure the light is unplugged before cleaning. Do not use harsh chemicals or abrasive materials.
- **Cooling System:** The DC4000 features multiple high-speed quiet fans and upgraded aluminum radiators. Ensure these cooling components remain free from obstructions to maintain efficient heat dissipation. Check for any unusual noises from the fans.
- **Cable Inspection:** Regularly inspect the power cord and hanging cables for any signs of wear, fraying, or damage. Replace any damaged components immediately.



Figure 5: An illustration highlighting the advanced cooling system of the BESTVA DC4000 LED Grow Light, which includes multiple high-speed fans for effective temperature management.

5. Troubleshooting

If you encounter issues with your BESTVA DC4000 LED Grow Light, refer to the following common troubleshooting steps:

- **Light Not Turning On:**
  - Ensure the power cord is securely plugged into both the light fixture and the electrical outlet.
  - Check if the 'VEG' and 'BLOOM' switches are in the 'ON' position.
  - Verify that the electrical outlet is functional by plugging in another device.
- **Dim or Uneven Light Output:**
  - Confirm that both 'VEG' and 'BLOOM' switches are engaged if full spectrum is desired.
  - Clean the LED surface to remove any dust or residue that may be obstructing light output.
- **Overheating:**
  - Ensure the cooling fans are operating correctly and are not obstructed.
  - Verify there is adequate airflow around the light fixture.

If these steps do not resolve the issue, please contact BESTVA customer service for further assistance.

6. Specifications

Feature	Specification
Model Number	DC4000
Brand	BESTVA

Feature	Specification
Light Source Type	LED
Power Source	Corded Electric
Voltage	120 Volts
Light Output Maximum	4000 Lumens
Light Source Wattage	400 Watts
Wattage (Equivalent)	4000 watts
Mounting Type	Ceiling Mount
Item Weight	7.5 Pounds
Item Dimensions (L x W x H)	28.6"L x 13.2"W x 2.1"H
Material	Metal, Aluminum
Color	Black
Beam Angle	120 Degrees
Number of Light Sources	10

7. Warranty and Support

BESTVA is committed to providing high-quality products and excellent customer service.

- **Warranty:** The BESTVA DC4000 LED Grow Light comes with a 3-year professional service warranty.
- **Returns:** A 90-day free return policy is offered, with US warehouse fulfillment.
- **Customer Service:** For any questions, concerns, or technical support, please contact BESTVA customer service. Our team aims to reply within 24 hours with a satisfactory solution.

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