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BESTVA DC2000

BESTVA DC2000 LED Grow Light Instruction Manual

Model: DC2000

1. INTRODUCTION

The BESTVA DC2000 LED Grow Light is engineered to provide optimal lighting for indoor plants across all growth stages, from seedling to flowering and fruiting. Featuring a full-spectrum design and energy-efficient LED technology, this grow light is an ideal solution for home gardening enthusiasts.

SUNLIKE LED PLANT LIGHT FOR HOME INDOOR GARDENING

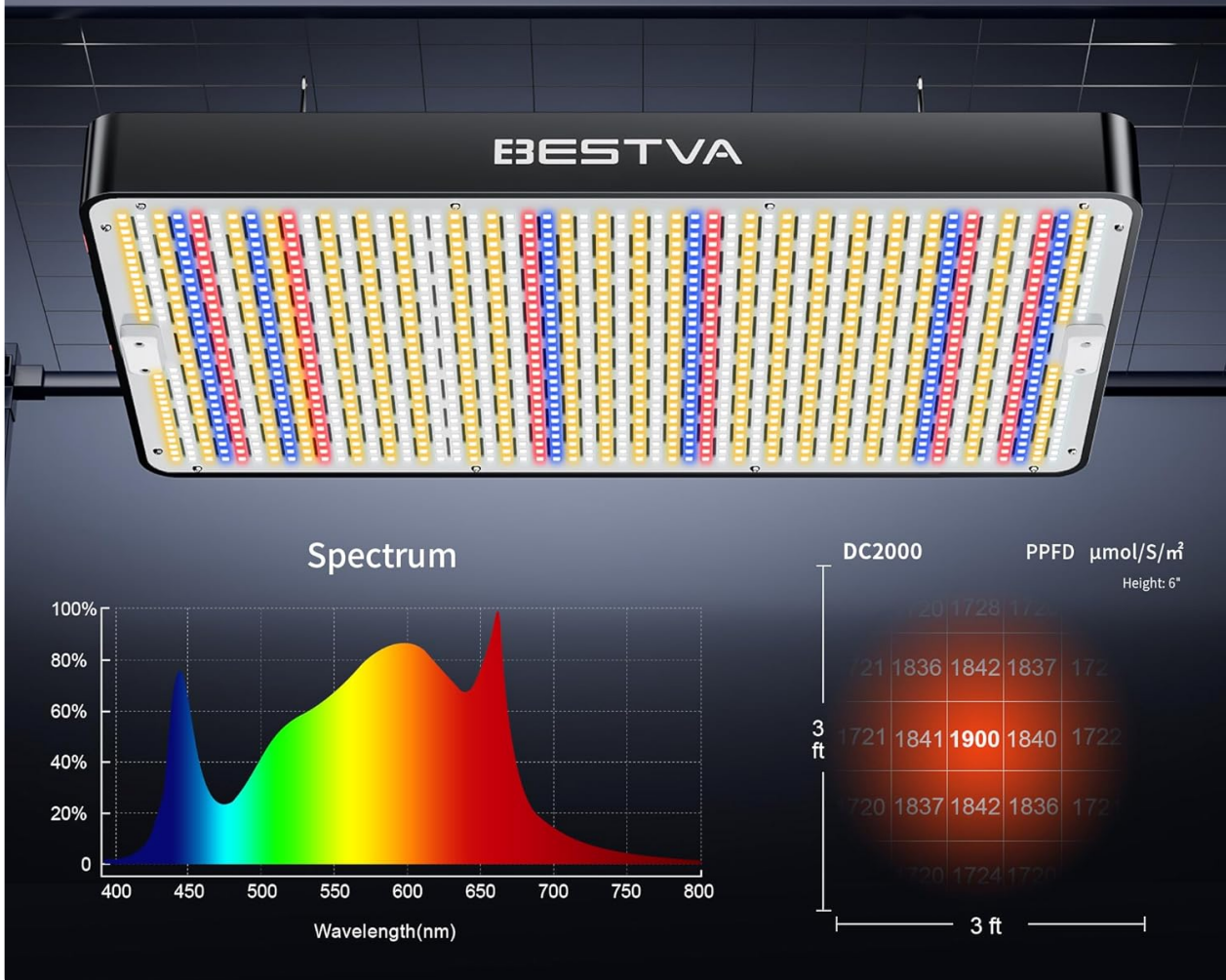


Image 1.1: The BESTVA DC2000 LED Grow Light, showcasing its full spectrum and efficient design for indoor gardening.

2. PRODUCT FEATURES

- **Healthy Growth & Energy Saving:** Equipped with 1176 high-quality LEDs, this 200-watt light is designed for optimal growth in a 2x2ft area, with a maximum coverage of 3x3ft.
- **Sunlike Spectrum:** Mimics natural sunlight with a blend of 3000K, 5000K, 460nm, and 660nm wavelengths, supporting all plant growth stages.
- **Adjustable Modes:** Features dedicated 'VEG' and 'BLOOM' switches to customize the light spectrum for vegetative and flowering/fruiting stages.
- **Durable Cooling System:** Multiple high-speed, quiet fans and upgraded aluminum radiators maintain an operating temperature of 50°F to 60°F, preventing leaf burn and ensuring a long service life.

THREE MODES OF LIGHTING TO MEET DIFFERENT GROWTH CYCLES FOR PLANTS



VEG MODE



Seedling stage

BLOOM MODE



flowering stage

VEG & BLOOM



fruiting stage

Image 2.1: Illustration of the three distinct lighting modes (VEG, BLOOM, VEG & BLOOM) available on the DC2000, tailored for seedling, flowering, and fruiting stages.

AN OPTIMIZED BLEND OF 4 LEDS NURTURES HEALTHY HOUSEPLANT GROWTH WITH SUN-LIKE LIGHT



Image 2.2: Close-up view of the LED array, highlighting the optimized blend of 3000K Warm White, 5000K White, 660nm Red, and 460nm Blue LEDs for comprehensive plant nutrition.

THE LATEST UPGRADED COOLING FAN TECH

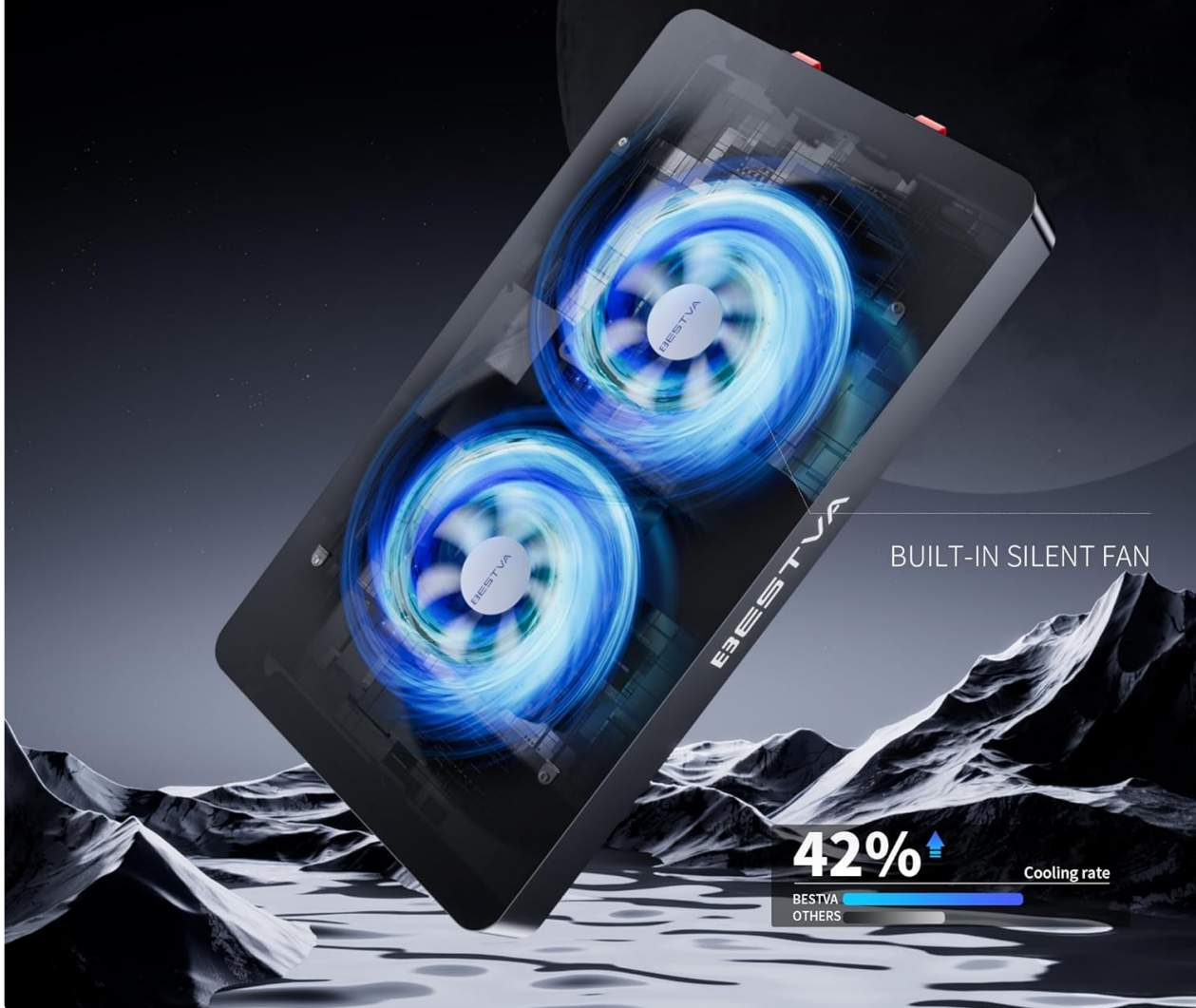


Image 2.3: Visual representation of the advanced cooling fan technology, demonstrating efficient heat dissipation to maintain optimal operating temperatures.

3. SPECIFICATIONS

Attribute	Detail
Model Number	DC-2000W
Dimensions (L x W x H)	20.66" x 8.46" x 2.36"
Item Weight	5.97 Pounds
Color	Black
Material	Aluminum
Light Source Type	LED
Voltage	110 Volts
Actual Power Consumption	200 Watts
Equivalent Wattage	2000 Watts
Mounting Type	Ceiling Mount or Surface Mount
Beam Angle	120 Degrees

4. SETUP INSTRUCTIONS

- Unpack the Light:** Carefully remove the BESTVA DC2000 LED Grow Light and all accessories from the packaging. Inspect for any damage.
- Choose a Location:** Select a suitable location for your grow light, ensuring adequate space for plant growth and proper ventilation. The light can be ceiling-mounted or surface-mounted.
- Install Hanging System:** Attach the provided hanging wires to the designated points on the top of the grow light. Use the adjustable rope ratchets to suspend the light from a sturdy support structure. Ensure the light is level and securely fastened.
- Connect Power:** Plug the power cord into the light's power input port, then connect the other end to a standard 110V electrical outlet. For daisy-chaining multiple lights, connect the output port of one light to the input port of the next.
- Adjust Height:** Initially, position the light approximately 24-30 inches above your plants. The optimal distance may vary based on plant type and growth stage.

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Video 4.1: This video demonstrates the unboxing and setup process of the BESTVA DC Series LED Grow Light, including how to attach the hanging system and connect the power.

5. OPERATING INSTRUCTIONS

- Power On:** Flip the main power switch to the 'ON' position.
- Select Growth Mode:** Use the 'VEG' and 'BLOOM' switches located on the side of the light to select the appropriate spectrum for your plants:
 - VEG (Vegetative) Mode:** Activates the blue and white LEDs, ideal for seedlings and vegetative growth.

- **BLOOM (Flowering) Mode:** Activates the red and white LEDs, suitable for flowering and fruiting stages.
 - **Full Spectrum Mode:** Activate both 'VEG' and 'BLOOM' switches for maximum light intensity and a complete spectrum, beneficial during peak flowering and fruiting.
3. **Adjust Light Intensity (if applicable):** If your model includes a dimmer knob, rotate it to adjust the light intensity according to your plants' needs and growth stage.
 4. **Lighting Schedule:** Establish a consistent lighting schedule using an external timer (not included) to simulate natural day/night cycles. Typical schedules are 18 hours on/6 hours off for vegetative growth and 12 hours on/12 hours off for flowering.

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Video 5.1: This video demonstrates the light output and effectiveness of the BESTVA DC2000 LED Grow Light during the vegetative stage, highlighting its suitability for plant growth.

6. MAINTENANCE

- **Cleaning:** Regularly wipe the light surface 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.
- **Fan Inspection:** Periodically check the cooling fans for any obstructions or excessive noise. Keep the fan vents clear to ensure proper airflow and prevent overheating.
- **Cable Check:** Inspect the power cord and hanging wires for any signs of wear, fraying, or damage. Replace immediately if any damage is found.

7. TROUBLESHOOTING

- **Light Not Turning On:**
 - Check if the power cord is securely plugged into both the light and the electrical outlet.
 - Ensure the main power switch is in the 'ON' position.
 - Verify that the electrical outlet is functional by plugging in another device.
- **Partial LED Failure:**
 - Confirm that both 'VEG' and 'BLOOM' switches are engaged if you expect full spectrum.
 - If individual LED diodes are out, contact customer service for assistance.
- **Overheating:**
 - Ensure the cooling fan vents are not obstructed.
 - Verify that the ambient temperature in your grow area is within acceptable limits.

8. WARRANTY AND SUPPORT

The BESTVA DC2000 LED Grow Light comes with a **3-year professional service warranty** and a **90-day free return policy** with US warehouse fulfillment. For any questions, technical support, or warranty claims, please contact BESTVA customer service. Our team is dedicated to providing satisfactory solutions within 24 hours.

For further assistance, please visit the official BESTVA Store or refer to the contact information provided with

your product packaging.