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LBW 220503

LBW Grow Light Model 220503 Instruction Manual

Full Spectrum Desk LED Plant Light with Timer and Adjustable Features

1. Introduction

Thank you for choosing the LBW Grow Light Model 220503. This full-spectrum LED grow light is designed to provide optimal lighting conditions for your indoor plants, promoting healthy growth from seedling to flowering stages. Its adjustable features and integrated timer offer convenience and efficiency for various plant care needs.



Figure 1: LBW Grow Light in use with various indoor plants.

2. Product Features

- **Full Spectrum LED:** Provides 390nm-730nm light, including white (3500k & 6500k), red, and blue wavelengths, essential for all plant growth stages.
- **Integrated Timer:** Features 3 cycle timing settings (4H/8H/12H) for automatic daily on/off operation.
- **6-Level Brightness:** Dimmable light intensity to suit different plant requirements and growth phases.
- **Height Adjustable:** Telescopic rod allows height adjustment from 10 to 26 inches (25.4 cm to 66.04 cm).
- **Flexible Gooseneck:** Enables 360-degree rotation and angle adjustment of the light panel for precise illumination.
- **Stable Metal Base:** Solid metal base with a sponge pad for stability and scratch protection.
- **Energy Efficient:** 30W power consumption, equivalent to 150W HPS/HID lights.
- **Durable Design:** Heat-dissipating aluminum backplate for extended 50,000-hour lifespan.



Figure 2: Key features of the LBW Grow Light.

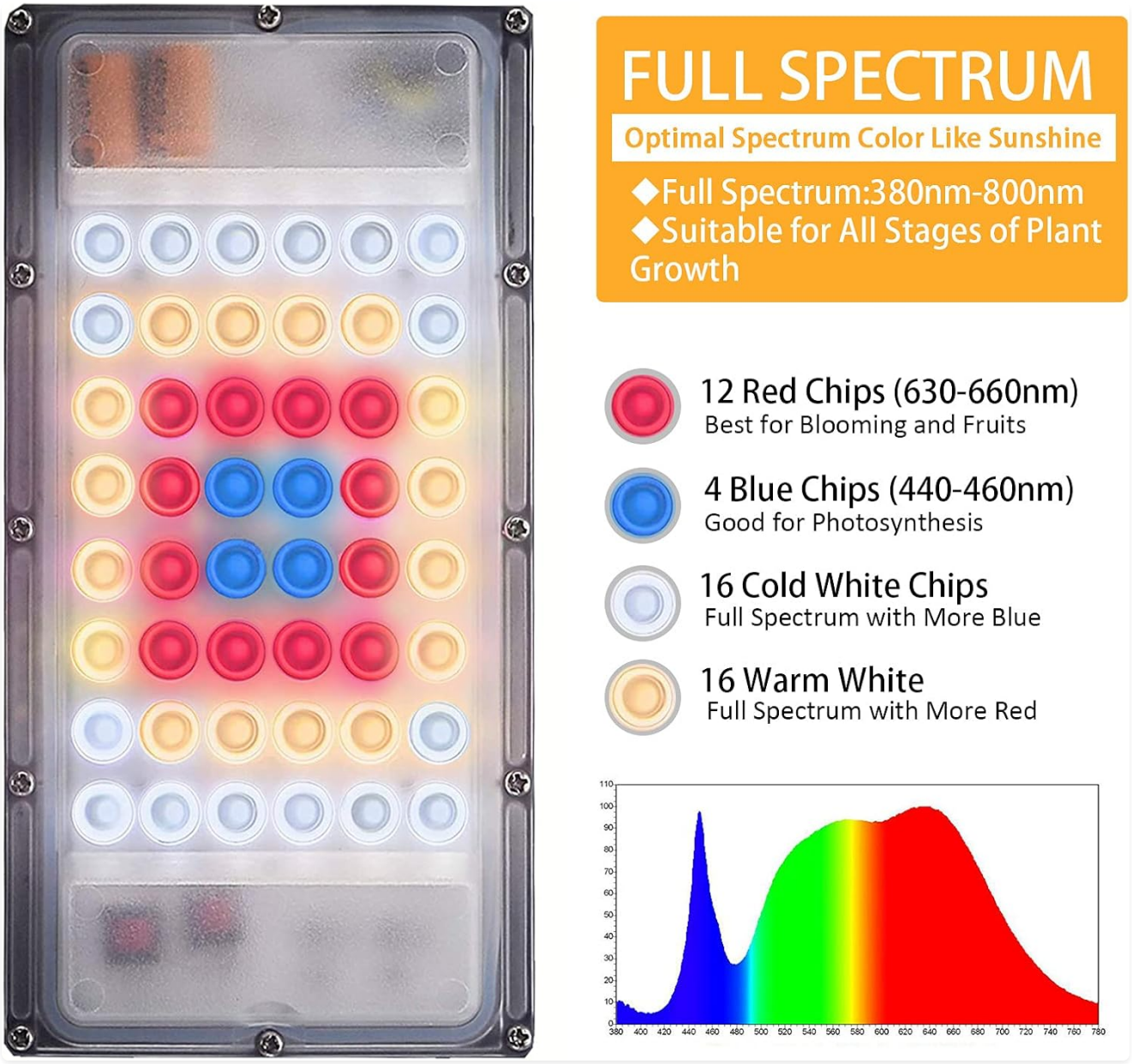


Figure 3: Full Spectrum LED composition for optimal plant growth.

3. Package Contents

Ensure all the following components are present in your package:

- LED Grow Light Panel
- Flexible Gooseneck
- Telescopic Rod
- Stable Metal Base
- Power Adapter
- In-line Controller
- Small Wrench and Nut (for assembly)
- User Manual

4. Setup Instructions

Follow these steps to assemble your LBW Grow Light:

1. **Attach Telescopic Rod to Base:** Screw the bottom end of the telescopic rod into the threaded hole on the stable metal base. Ensure it is tightened securely.



Figure 4: Attaching the telescopic rod to the base.

2. **Attach Gooseneck to Telescopic Rod:** Screw the flexible gooseneck onto the top of the telescopic rod.



Figure 5: Attaching the gooseneck to the rod.

3. **Attach Light Panel to Gooseneck:** Align the light panel bracket with the gooseneck's screw. Secure it with the provided nut and wrench.



Figure 6: Securing the light panel.

4. **Connect Power:** Plug the in-line controller cable into the light panel, then connect the power adapter to the controller, and finally plug the adapter into a power outlet.

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Video 1: Visual guide for assembling and demonstrating the LBW Desk Grow Light features.

5. Operating Instructions

Your LBW Grow Light is equipped with an easy-to-use in-line controller for managing its functions.

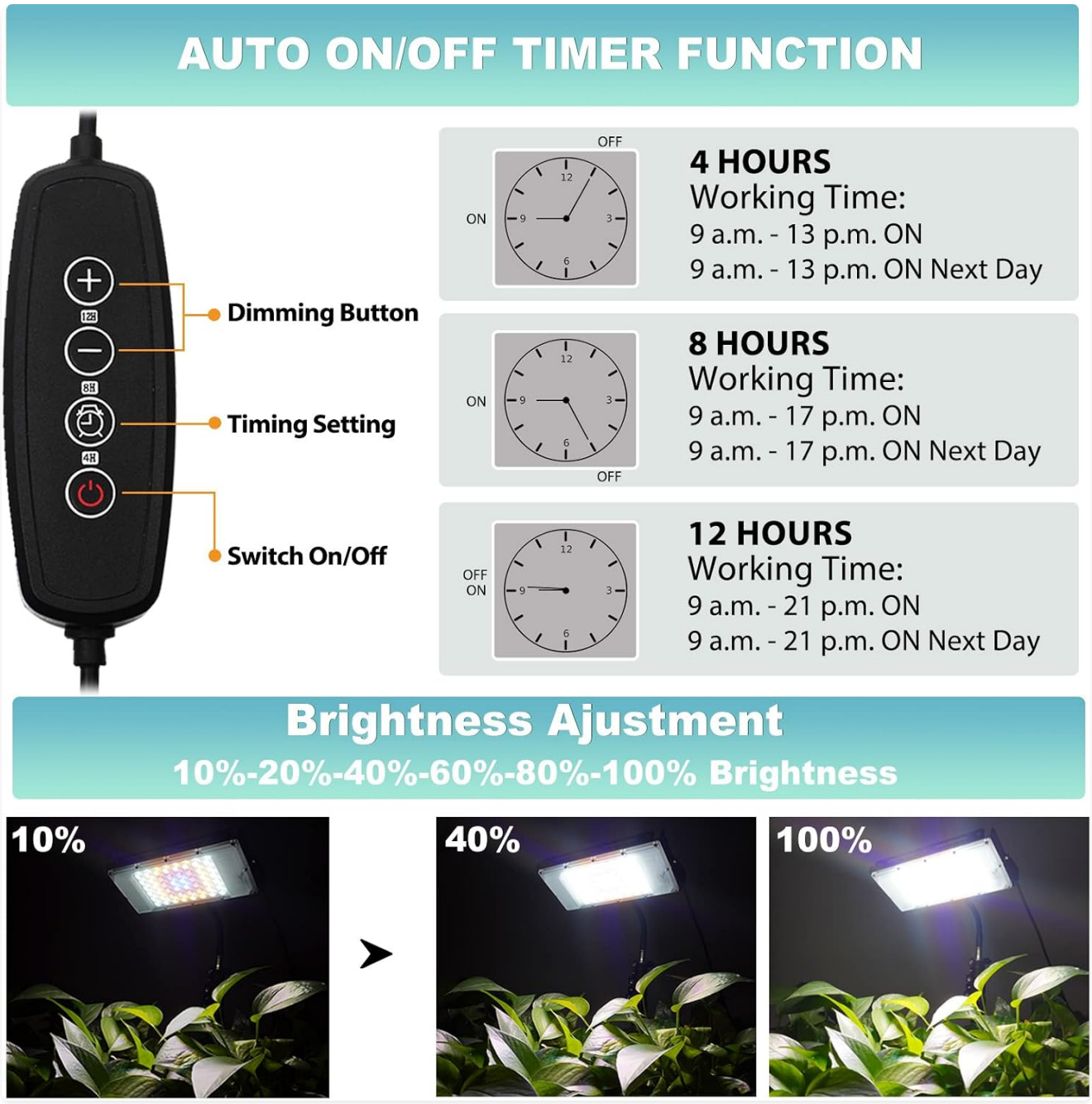


Figure 7: In-line controller for the LBW Grow Light.

5.1 Power On/Off

- Press the **Power Button** ( ) on the in-line controller to turn the light on or off.

5.2 Brightness Adjustment

- Use the **Dimming Buttons** (**+** and **–**) to cycle through 6 levels of brightness (10%, 20%, 40%, 60%, 80%, 100%).

5.3 Timer Settings

- Press the **Timing Setting Button** ( ) to activate the automatic on/off timer. Available settings are 4 hours, 8 hours, or 12 hours.
- **Important:** The timer function can only be set when the light is currently ON. The timer cycle begins from the moment it is set. For example, if you set the 12-hour timer at 9 AM, the light will stay on until 9 PM, then turn off, and automatically turn on again at 9 AM the next day.

5.4 Height and Angle Adjustment

- **Height:** Adjust the height of the telescopic rod by rotating the metal connector to loosen, extend or retract the rod, then tighten to secure. The height is adjustable from 10 to 26 inches.



Figure 8: Adjusting the telescopic rod height.

- **Angle:** The flexible gooseneck allows you to bend and position the light panel at any desired angle to direct light precisely onto your plants.



Figure 9: Minimum and maximum height adjustments.

6. Maintenance

- **Cleaning:** Ensure the light is unplugged before cleaning. Gently wipe the LED panel and stand with a soft, dry cloth to remove dust. Do not use liquid cleaners or abrasive materials.
- **Placement:** Always place the grow light on a flat, stable surface. The base is designed for stability, but ensure it is not easily tipped over, especially when the gooseneck is extended or angled. Placing a potted plant on the base can add extra stability.

7. Troubleshooting

- **Light not turning on:**
  - Check all cable connections to ensure they are securely plugged in.
  - Verify the power adapter is correctly plugged into a working electrical outlet.
  - Press the power button on the in-line controller.

- **Timer not functioning correctly:**
  - Ensure the light is ON when you press the timer button to set the desired cycle (4H/8H/12H). The timer starts from the moment it is activated while the light is on.
  - If using an external smart plug, note that the light's internal on/off switch requires manual activation after power is restored, making external timers incompatible with the light's auto-on feature.
- **Light feels unstable/tips over:**
  - Ensure the base is on a completely flat and level surface.
  - Consider placing a heavy potted plant directly on the base to increase stability, especially when the gooseneck is extended or angled significantly.

8. Specifications

Attribute	Detail
Model Number	220503
Brand	LBW
Light Source Type	LED
Wattage	30 Watts
Brightness	2800 Lumen
Voltage	12 Volts
Amperage	0.24 Amps
Material	Aluminum, Metal
Product Dimensions	8.7"L x 4.9"W x 26.37"H (22.1 cm L x 12.4 cm W x 67 cm H)
Item Weight	2.5 Pounds (1.13 kg)
Timer Settings	4H/8H/12H (Auto On/Off)
Brightness Levels	6 Dimmable Modes

9. Warranty and Support

The LBW Grow Light Model 220503 comes with a**12-month service warranty** and a **30-day satisfaction or return policy** for a 100% money-back guarantee. If you encounter any issues or have questions regarding your product, please contact LBW customer support for assistance. We are committed to ensuring your satisfaction.

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