
[Manuals.plus](#) /

› [Kalrin](#) /

› Kalrin ZWD01 Four Head Full Spectrum LED Grow Light User Manual

Kalrin ZWD01

Kalrin ZWD01 Four Head Full Spectrum LED Grow Light User Manual

MODEL: ZWD01

1. INTRODUCTION

Thank you for choosing the Kalrin ZWD01 Four Head Full Spectrum LED Grow Light. This product is designed to provide optimal lighting conditions for indoor plants at various growth stages. Featuring adjustable goosenecks, multiple lighting modes, dimmable levels, and an automatic timer, this grow light supports healthy plant development. Please read this manual thoroughly before use to ensure proper operation and longevity of your device.



Image 1.1: Overview of the Kalrin ZWD01 Four Head Full Spectrum LED Grow Light.

2. SAFETY INSTRUCTIONS

- Ensure the power supply voltage is compatible with the grow light's requirements.
- Do not expose the device to water or high humidity environments. This product is not waterproof.
- Avoid looking directly into the LED lights for extended periods, as this may cause eye strain.
- Keep the grow light away from heat sources and flammable materials.
- Do not attempt to disassemble or modify the product. Refer all servicing to qualified personnel.
- Unplug the device from the power outlet before cleaning or when not in use.
- Keep out of reach of children and pets.

3. PACKAGE CONTENTS

Verify that all components are present and in good condition upon unpacking:

- 1 x Kalrin ZWD01 Four Head Grow Light
- 1 x USB Power Adapter (Corded Electric)
- 1 x User Manual

4. PRODUCT FEATURES

The Kalrin ZWD01 Grow Light is equipped with several features to enhance plant growth:

- **Four Adjustable Goosenecks:** Each light bar is attached to a flexible gooseneck, allowing 360-degree rotation and precise positioning for optimal light coverage.
- **Full Spectrum LEDs:** 52 red LEDs and 28 blue LEDs provide a balanced spectrum suitable for all plant growth stages.
- **3 Lighting Modes:** Choose between Red, Blue, or a combination of Red and Blue light.
- **10 Dimmable Levels:** Adjust light intensity from 10% to 100% to meet specific plant needs.
- **Auto On/Off Timer:** Built-in timer with 3, 9, or 12-hour settings. The light remembers the last setting and turns on automatically at the same time each day.
- **Strong Clip-on Design:** Securely attach the light to surfaces up to 3 inches thick.



Image 4.1: Summary of key product features.



Image 4.2: Flexible gooseneck for precise light positioning.



Image 4.3: Secure clip for attachment to various surfaces.

5. SETUP INSTRUCTIONS

1. **Unpack:** Carefully remove all components from the packaging.
2. **Attach:** Secure the clip-on base to a stable surface (e.g., table edge, shelf) that is up to 3 inches thick. Ensure the clip is firmly attached to prevent accidental dislodgement.
3. **Position Goosenecks:** Adjust the four flexible goosenecks to direct the light bars towards your plants. Ensure an appropriate distance between the light and the plant canopy (refer to Section 6.4 for guidance).
4. **Connect Power:** Insert the USB connector into the provided power adapter, then plug the adapter into a standard electrical outlet.

6. OPERATING INSTRUCTIONS

The control panel is located on the power cord. It features buttons for power, mode selection, dimming, and timer settings.

6.1 Power On/Off

- Press the **Power Button** once to turn the light on.
- Press the **Power Button** again to turn the light off.

6.2 Lighting Modes

Press the **Mode Button** to cycle through the available lighting modes:

- **Red Light Only:** Promotes flowering and fruiting.
- **Blue Light Only:** Supports vegetative growth and stem development.
- **Red + Blue Light:** Full spectrum for all growth stages.



Image 6.1: Red Light Mode.



Image 6.2: Blue Light Mode.



Image 6.3: Red + Blue Light Mode.

6.3 Dimmable Levels

Use the **Brightness +/- Buttons** to adjust the light intensity. There are 10 levels, ranging from 10% to 100% brightness.

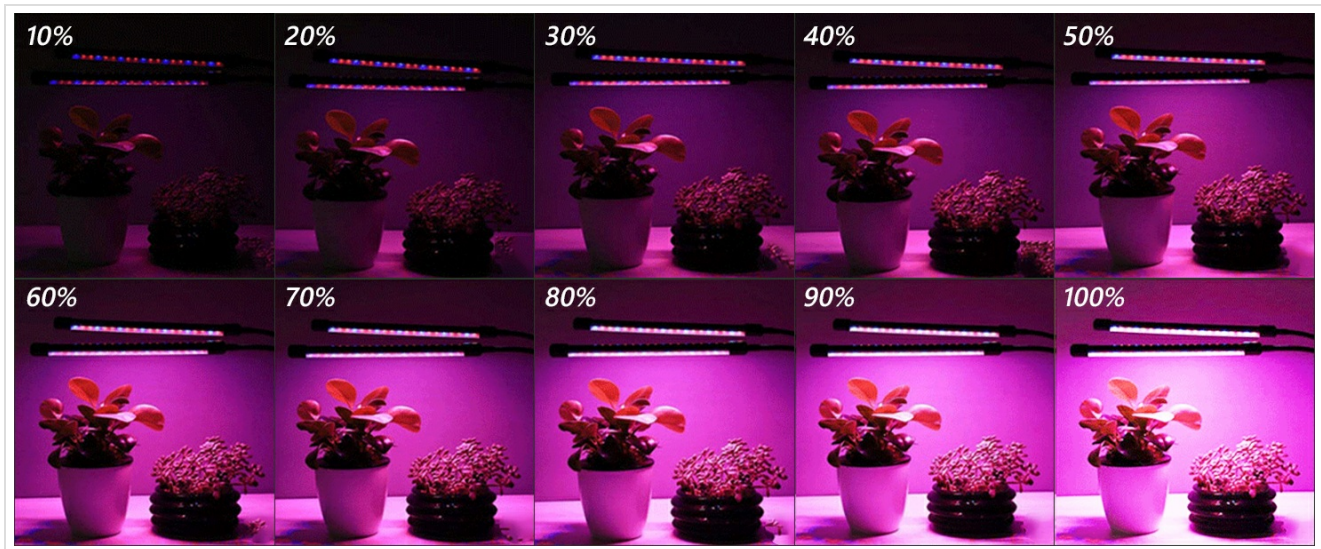


Image 6.4: Visual representation of 10 dimmable light levels.

6.4 Timer Function

Press the **Timer Button** to set the automatic shut-off time. The available options are 3, 9, or 12 hours. Once set, the light will turn off after the selected duration and automatically turn on at the same time the next day, maintaining your preferred settings.

6.5 Recommended Usage

The optimal distance and duration for your grow light depend on the plant type and its growth stage. Generally, seedlings and young plants require less intense light, while mature plants and those in flowering/fruiting stages benefit from higher intensity and longer durations.

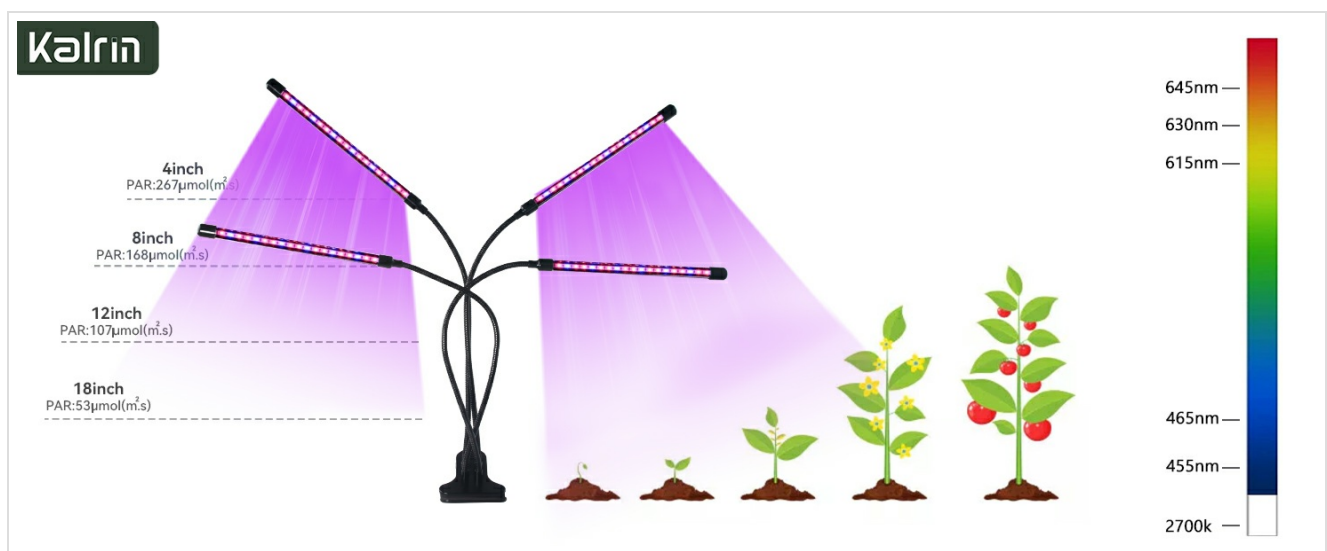


Image 6.5: PAR (Photosynthetically Active Radiation) values at various distances.



Image 6.6: Examples of plant growth stages and types suitable for this grow light.

7. MAINTENANCE

- **Cleaning:** Ensure the grow light is unplugged before cleaning. Use a soft, dry cloth to wipe down the light bars and housing. Do not use abrasive cleaners or immerse any part of the device in water.
- **Storage:** When not in use for extended periods, unplug the light and store it in a cool, dry place away from direct sunlight.
- **Inspection:** Periodically check the power cord and light bars for any signs of damage. If damage is found, discontinue use and contact customer support.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, faulty outlet.	Check if the power adapter is securely plugged into the outlet and the USB cable is firmly connected to the light. Test the outlet with another device.
Light flickers or dims unexpectedly.	Unstable power supply, loose connection, internal fault.	Ensure stable power. Check all connections. If the issue persists, discontinue use and contact customer support.
Timer function not working.	Timer not set correctly, power interruption.	Re-set the timer by pressing the Timer Button. Ensure the light remains plugged in for the memory function to work.
Light bars are not holding position.	Gooseneck wear, excessive weight.	Ensure the goosenecks are not over-extended or supporting excessive weight. Adjust carefully.

9. SPECIFICATIONS

Feature	Detail
---------	--------

Feature	Detail
Model Number	ZWD01
Brand	Kalrin
Light Source Type	LED (52 Red, 28 Blue)
Wattage	80 watts
Number of Light Heads	4
Dimmable Levels	10 (10% - 100%)
Timer Settings	3H / 9H / 12H
Gooseneck Adjustment	360 degrees
Mounting Type	Clip-on (up to 3 inches thick)
Material	Aluminum
Power Source	Corded Electric (USB)
Indoor/Outdoor Usage	Indoor
Water Resistance Level	Not Water Resistant
Product Dimensions	10"D x 10"W x 10"H (Approximate, adjustable)
Item Weight	2.05 pounds

10. WARRANTY AND SUPPORT

Kalrin products are manufactured with quality and care. For warranty information, technical support, or any questions regarding your Kalrin ZWD01 Grow Light, please refer to the contact information provided with your purchase or visit the official Kalrin website.

Please retain your proof of purchase for warranty claims.