

Barrina BU2000 (INW556624650Ac)

Barrina BU2000 LED Grow Light Instruction Manual

Model: BU2000 (INW556624650Ac)

For Indoor Plants: Seedling, Vegetative, Flowering, and Fruiting Stages

1. INTRODUCTION

Thank you for choosing the Barrina BU2000 LED Grow Light. This advanced lighting solution is engineered to provide optimal light spectrum and intensity for indoor plants throughout all their growth cycles. Its adjustable panels, full spectrum LEDs, and dimming capabilities ensure your plants receive the precise light they need for robust growth and higher yields.

Please read this manual thoroughly before installation and operation to ensure safe and efficient use of your grow light.

2. SAFETY INFORMATION

- Always disconnect power before installing, cleaning, or performing any maintenance on the light fixture.
- Do not look directly into the LED lights when they are operating, as this may cause eye strain or damage. Protective eyewear is recommended.
- Ensure the light is installed in a well-ventilated area to prevent overheating.
- Keep the light away from water or any wet environments to prevent electrical shock.
- Do not attempt to modify or disassemble the light fixture. Refer all servicing to qualified personnel.
- Use only the provided power cord and accessories.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- 1 x Barrina BU2000 Indoor Plant Light (200W)
- 1 x Network Cable (for daisy-chaining)

- 2 x Hanging Chains
- 2 x Steel Hooks
- 2 x Screws
- 1 x User Manual (this document)

PACKING LIST



Image: Contents of the Barrina BU2000 package, showing the grow light, hanging chains, hooks, screws, network cable, and power cord.

4. SETUP AND INSTALLATION

4.1 Mounting the Grow Light

1. Identify a suitable location for your grow light, ensuring it is above your plants and can support the weight of the fixture.
2. Use the provided screws to securely attach the steel hooks to your mounting surface (e.g., ceiling, grow tent frame).
3. Attach the hanging chains to the steel hooks and then to the designated attachment points on the Barrina

BU2000 grow light.

4. Adjust the length of the chains to achieve the desired hanging height above your plants.

4.2 Adjusting Light Panels

The Barrina BU2000 features adjustable light panels that can be angled up to 190 degrees. This allows you to direct light precisely where needed, optimizing coverage and intensity for different plant configurations or growth stages. Adjusting the angle between the two panels to approximately 60 degrees can increase the efficiency of the central area by over 25%.

BU 2000 LED GROW LIGHT

Perfect for Indoor Plants at All Stages

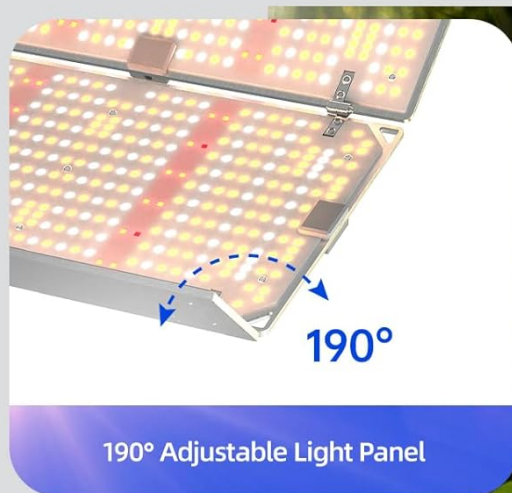
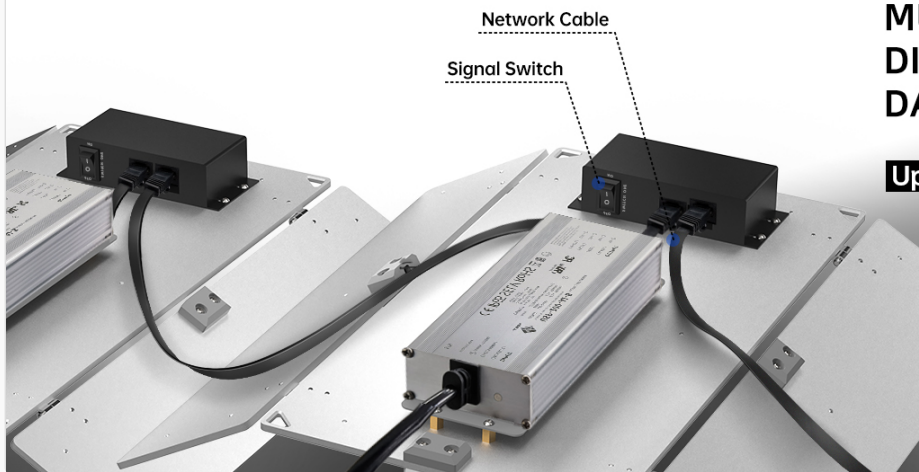


Image: The Barrina BU2000 grow light demonstrating its 190-degree adjustable light panels and the integrated dimmer control.

4.3 Daisy Chain Connection (Optional)

For larger grow areas, multiple Barrina BU2000 units can be connected in a daisy chain configuration, allowing for unified dimming control of up to 10 lights. Use the provided network cable to connect the 'OUT' port of one light to the 'IN' port of the next light. Ensure all lights are powered individually or through a compatible power strip.



MULTI-LIGHT DIMMING DAISY CHAIN

Up To 10 Lights

○ ○ ○

Image: Illustration of the multi-light dimming daisy chain function, connecting several Barrina grow lights with network cables for synchronized control.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Connect the power cord to a standard 120V AC outlet. The light will illuminate. To turn off, disconnect the power cord or use an external timer (not included) for automated cycles.

5.2 Dimming Control

The Barrina BU2000 features an integrated dimming knob. Rotate the knob to adjust the brightness from 0% to 100%. This allows for precise control over light intensity, adapting to the specific needs of your plants at different growth stages.

5.3 Recommended Usage for Growth Stages

Optimal hanging height and brightness settings vary depending on the plant's growth stage:

- **Germination or Seedling:** Hang at approximately 26 inches (66 cm) with 50% brightness.
- **Vegetative or Growing:** Hang at approximately 15-26 inches (38-66 cm) with 100% brightness.
- **Flowering or Fruiting:** Hang at approximately 15-20 inches (38-51 cm) with 100% brightness.

USING SUGGESTION



For
Different
Growing
Stages

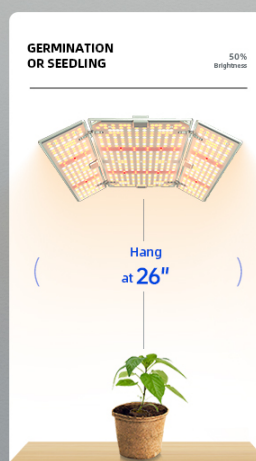
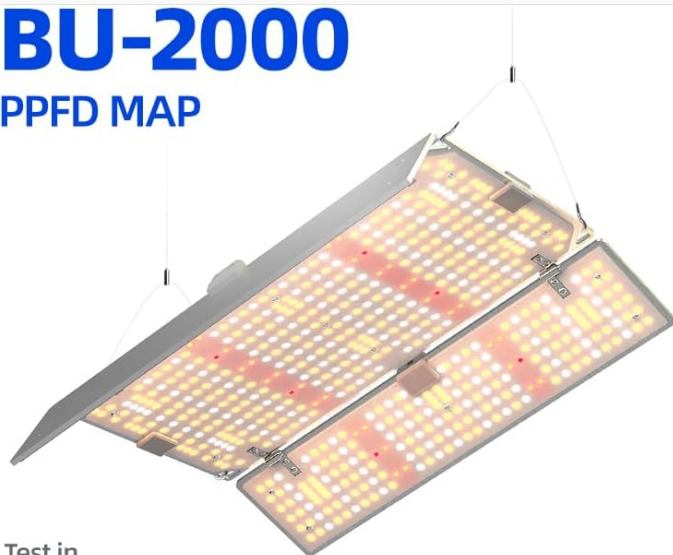


Image: Visual guide for using the Barrina BU2000, suggesting optimal hanging heights and brightness percentages for germination, vegetative growth, and flowering/fruiting stages.

5.4 PPFD Coverage

The Barrina BU2000 delivers high Photosynthetic Photon Flux Density (PPFD) to support vigorous plant growth. The PPFD value in the central area can reach up to 1600 $\mu\text{mol}/\text{m}^2/\text{s}$, ensuring powerful light output for maximum yields. Refer to the PPFD maps for detailed coverage at various heights.

BU-2000 PPFD MAP



Test in
a 4x4FT (120cmx120cm)
Grow Tent (41000LM)

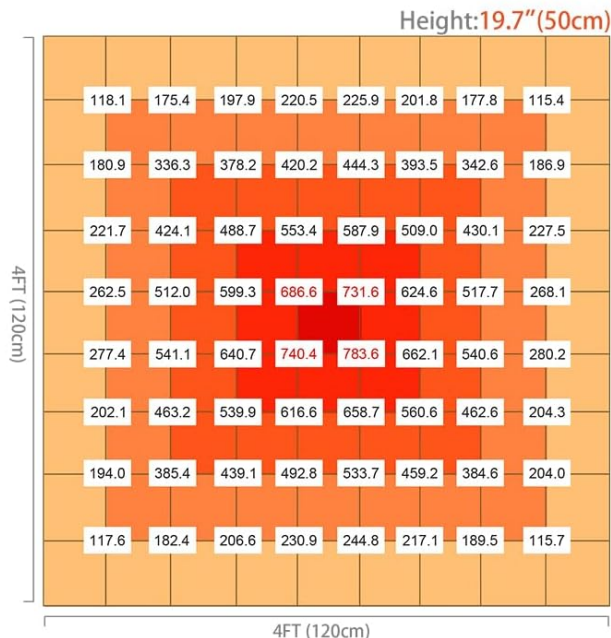
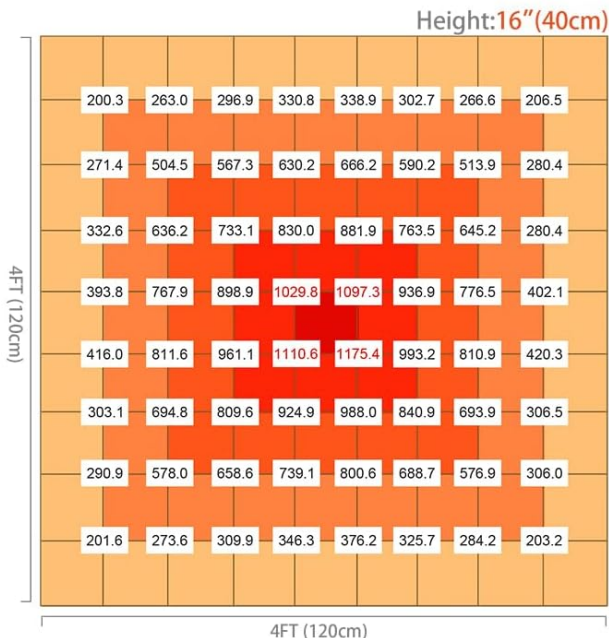
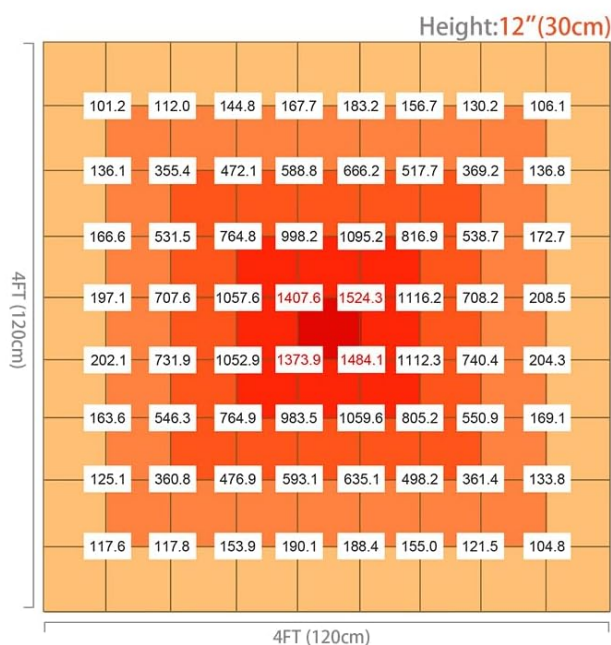


Image: PPFD (Photosynthetic Photon Flux Density) maps for the Barrina BU2000, illustrating light intensity distribution at hanging heights of 12 inches (30cm), 16 inches (40cm), and 19.7 inches (50cm) within a 4x4 ft (120cm x 120cm) grow tent.

6. FEATURES

- **Adjustable Light Panels:** Two panels can be adjusted up to 190 degrees to optimize light distribution.
- **Full Spectrum LED:** Equipped with 816 LEDs, including 288 pcs Blue light (5000K), 480 pcs Warm White light (3000K), 40 pcs Red light (660nm), and 8 pcs IR light (730nm), providing a comprehensive spectrum for all growth phases.

- **High PPF Output:** Delivers powerful light intensity for superior plant growth and yields.
- **Dimmable:** Integrated knob for brightness adjustment from 0-100%.
- **Daisy Chain Function:** Connect up to 10 lights for synchronized dimming control.
- **Silent Operation:** Fanless design ensures no operational noise.
- **Efficient Heat Dissipation:** Features a thick heat sink for effective cooling and extended lifespan.
- **Durable Design:** Water-resistant, anti-moisture, and anti-vulcanization properties enhance longevity.

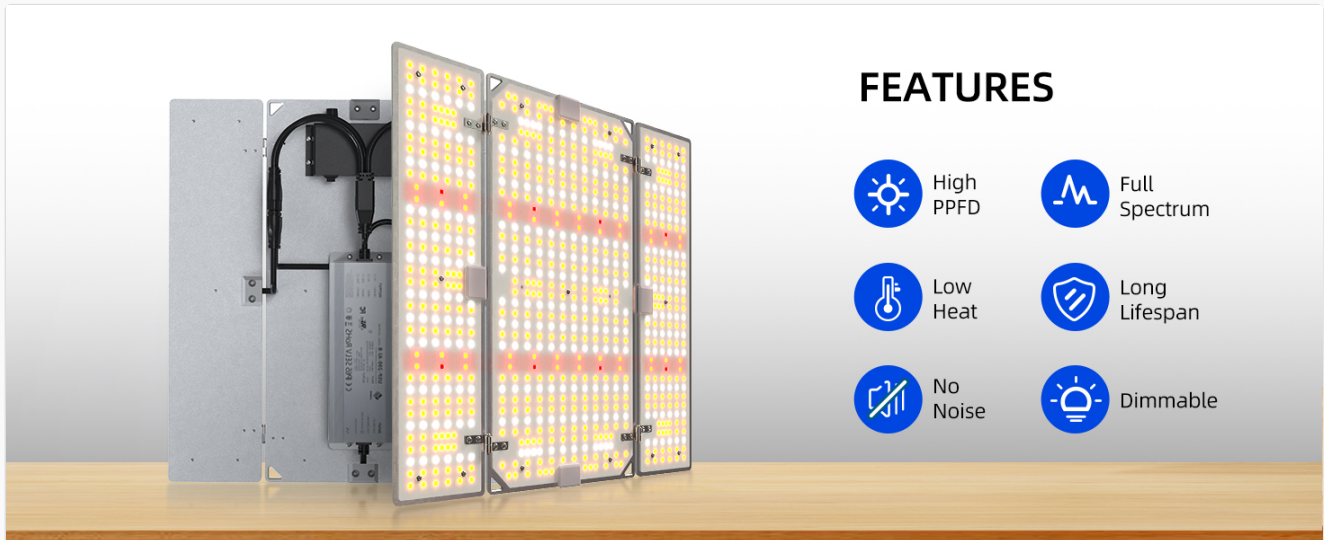
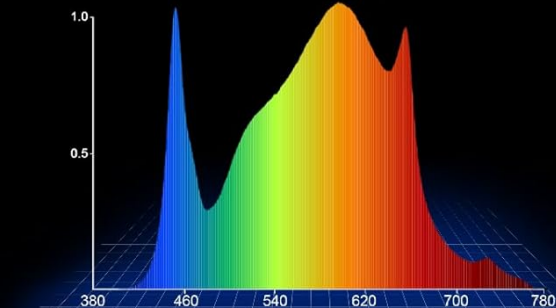


Image: A visual summary of the Barrina BU2000's features, highlighting High PPF, Full Spectrum, Low Heat, Long Lifespan, No Noise, and Dimmable functionality.

FULL SPECTRUM

GROW LIGHT PANEL



288 pcs	Blue light	5000K	
40 pcs	Red Light	660nm	
8 pcs	IR light	730nm	
480 pcs	Warm White Light	3000K	

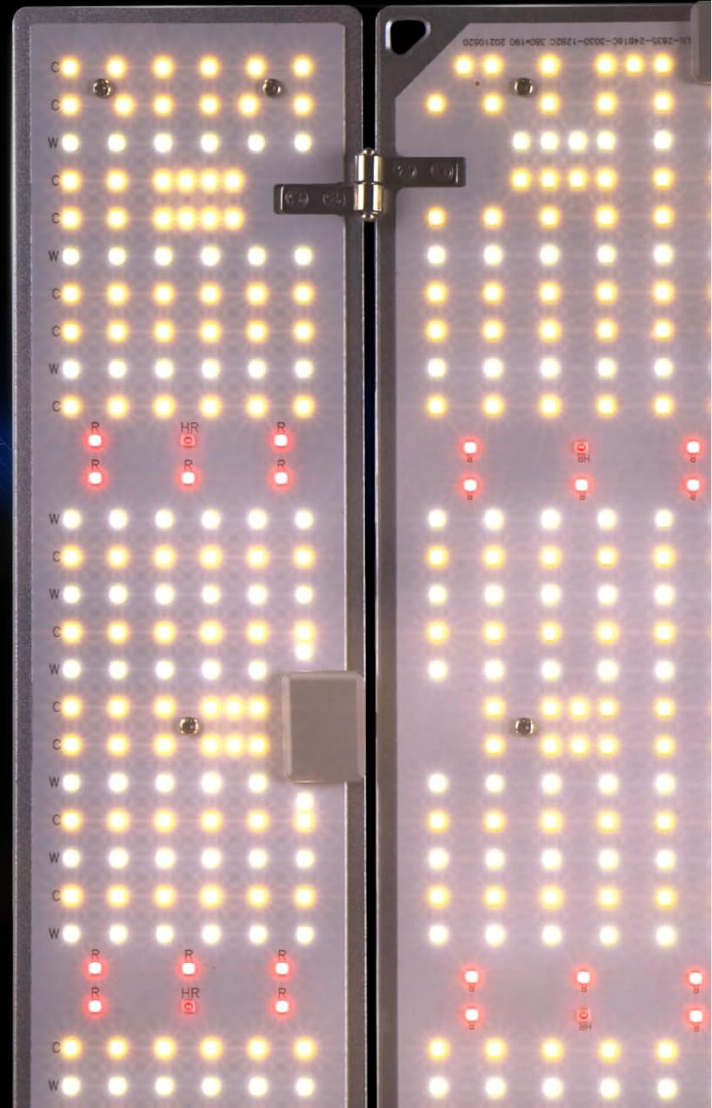


Image: Detailed view of the Barrina BU2000's full spectrum LED panel, indicating the quantity and wavelength of blue (5000K), warm white (3000K), red (660nm), and IR (730nm) LEDs, accompanied by a spectral power distribution graph.

7. MAINTENANCE

- **Cleaning:** Ensure the light is unplugged before cleaning. Gently wipe the LED panels and housing with a soft, dry cloth to remove dust and debris. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check the power cord, hanging chains, and connections for any signs of wear or damage. Replace any damaged components immediately.
- **Ventilation:** Ensure adequate airflow around the fixture to maintain optimal operating temperature and extend the lifespan of the LEDs.

8. TROUBLESHOOTING

- **Light Not Turning On:**
 - Check if the power cord is securely plugged into both the light fixture and the power outlet.

- Verify that the power outlet is functional by plugging in another device.
- If using a daisy chain, ensure the primary light is powered and all connections are secure.

- **Light Flickers or Dims Unexpectedly:**

- Ensure the dimming knob is not set to an extremely low level that might cause instability.
- Check for loose connections in the power cord or daisy chain.
- If the issue persists, contact customer support.

- **Uneven Light Distribution:**

- Adjust the angle of the light panels to optimize coverage for your specific grow area.
- Ensure the light is hanging level and at the recommended height for your plant's growth stage.

9. SPECIFICATIONS

Specification	Detail
Model Number	INW556624650Ac
Brand	Barrina
Power Source	Corded Electric
Light Source Type	LED
Number of Light Sources	816 LEDs
LED Types	Blue (5000K), Warm White (3000K), Red (660nm), IR (730nm)
Maximum Compatible Light Source Wattage	200 Watts
Light Source Wattage	200 Watts
Voltage	120 Volts (AC)
Brightness	41000 Lumen
Bulb Features	Dimmable
Material	Aluminum, Polycarbonate (PC)
Item Weight	2.02 pounds
Product Dimensions	17.32"L x 10.62"W x 3.74"H
Mounting Type	Plug and play

10. WARRANTY AND SUPPORT

Barrina products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your purchase or visit the official Barrina website. If you encounter any issues or have questions regarding your Barrina BU2000 LED Grow Light, please contact Barrina customer support for assistance. For further information and support, you may visit the Barrina Store online: [Barrina Official Store](#)



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