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DMMBMFC 420

DMMBMFC NIR & Red Light Therapy Device Model 420 User Manual

Model: 420
Brand: DMMBMFC

1. Introduction

This manual provides instructions for the safe and effective use of your DMMBMFC NIR & Red Light Therapy Device Model 420. This device is designed to deliver both Red (660nm) and Near-Infrared (850nm) light wavelengths, featuring a smart controller for customizable therapy sessions. Please read this manual thoroughly before operation and retain it for future reference.

2. Safety Information

Please observe the following safety precautions to prevent injury or damage to the device:

- Always consult with a healthcare professional before starting any new therapy, especially if you have pre-existing medical conditions, are pregnant, or are taking medications.
- Do not look directly into the light-emitting diodes (LEDs) during operation. Eye protection is recommended.
- Keep the device away from water or damp environments.
- Do not use the device on broken skin or open wounds.
- Ensure the power cord is not damaged and is properly connected to a suitable power outlet.
- Keep out of reach of children.
- Statements regarding this device have not been evaluated by the FDA and are not intended to diagnose, treat, cure, or prevent any disease or health condition.

3. Package Contents

Verify that all items are present in your package:

- DMMBMFC NIR & Red Light Therapy Panel (420 chips)
- Adjustable Floor Tripod Stand

- Hook (alternative mounting option)
- Smart Controller (integrated with power cord)
- User Manual

4. Setup

Follow these steps to set up your light therapy device:

1. **Assemble the Tripod:** Extend the legs of the tripod stand to ensure stability. The tips of the three legs should be approximately 25.6 inches (65cm) apart for optimal balance. Adjust the height of the stand as needed, ranging from 15 to 60 inches.
2. **Attach the Light Panel:** Securely attach the light therapy panel to the top of the tripod stand. The device features a 360° flexible gooseneck, allowing you to adjust the angle and direction of the light.
3. **Alternative Mounting (Hook):** If you prefer not to use the tripod, you can utilize the provided hook to hang the device from a suitable fixture.
4. **Connect Power:** Plug the smart controller's power cord into a standard electrical outlet.

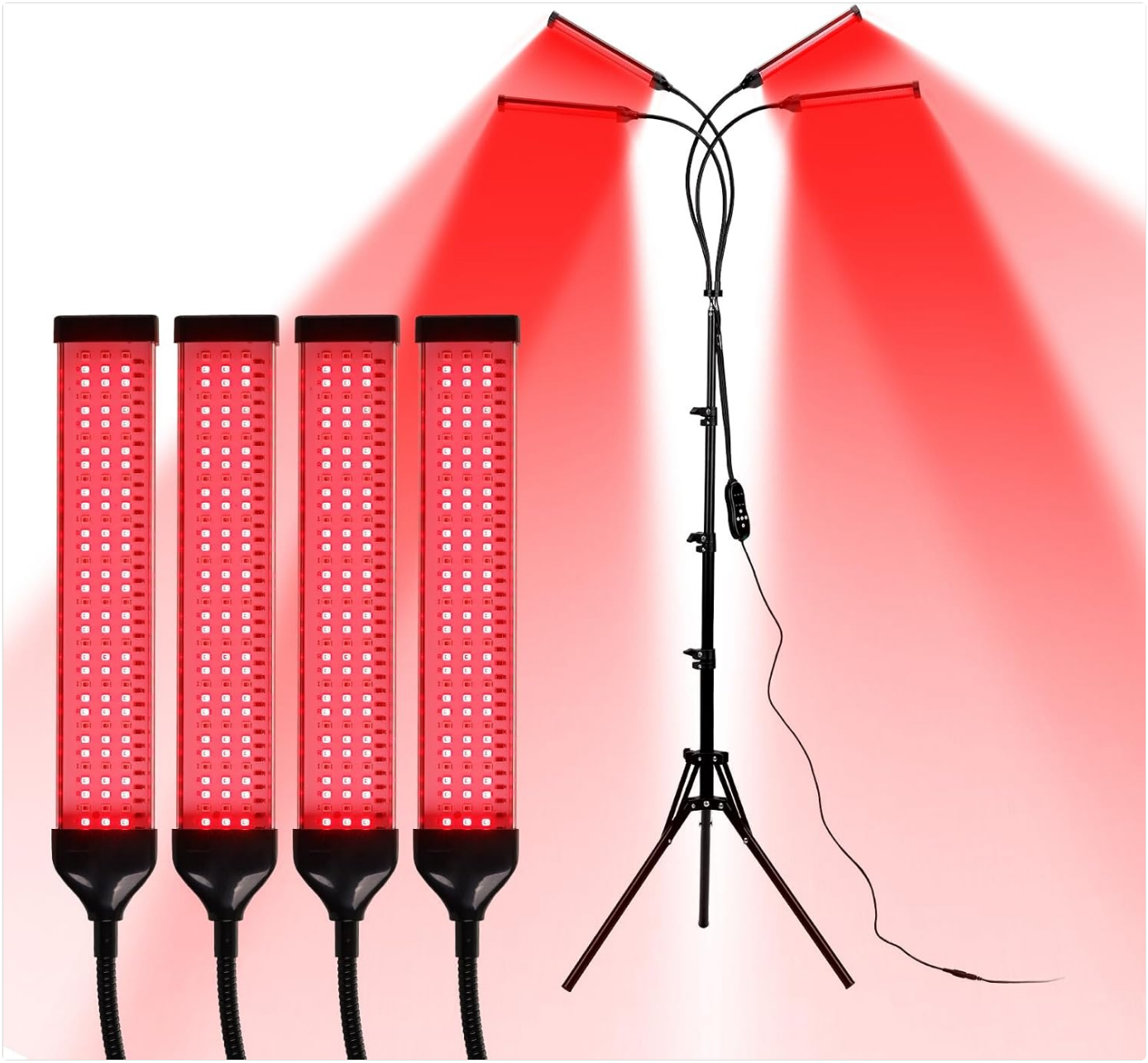


Image: The DMMBMFC NIR & Red Light Therapy Device fully assembled on its adjustable tripod stand, ready for use.

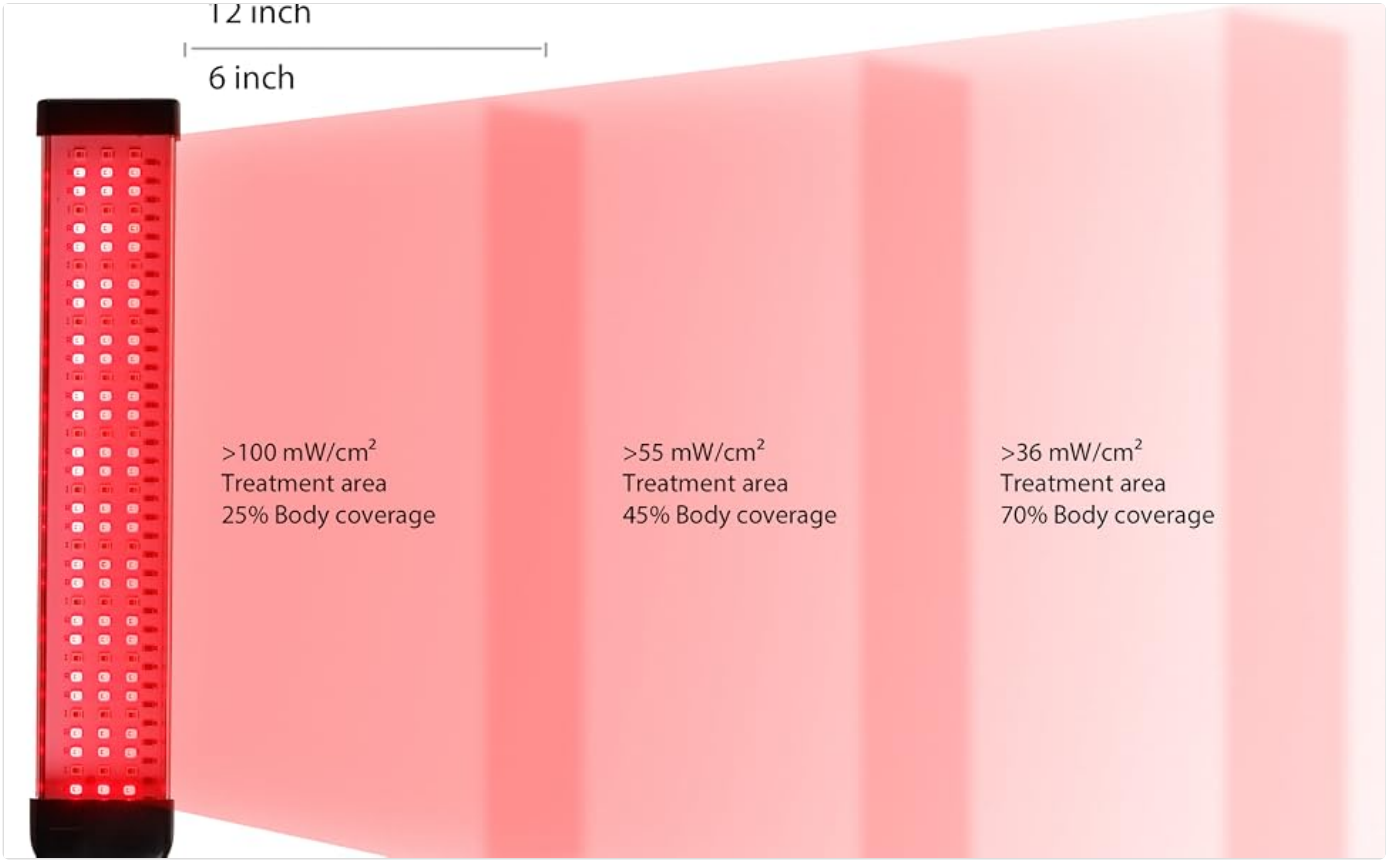


Image: Close-up view illustrating the 360° flexible gooseneck, adjustable stand mechanism, and stable tripod base for versatile positioning.

5. Operating Instructions

The smart controller allows you to customize your therapy session:

1. **Power On/Off:** Press the power button on the smart controller to turn the device on or off.
2. **Wavelength Selection:** Use the dedicated buttons on the controller to select your desired light mode:
    - Red Light (660nm) only
    - Near-Infrared Light (850nm) only
    - Both Red and Near-Infrared Light simultaneously
3. **Time Setting:** The device features a timer with 6 gears. Press the timer button to cycle through the available durations: 5, 10, 15, 20, 25, or 30 minutes. The device will automatically shut off after the selected time.
4. **Brightness Adjustment:** Adjust the light intensity using the brightness control buttons. The device powers on at the weakest brightness level, allowing you to increase it to your preferred setting.
5. **Positioning:** Position the light panel at a comfortable distance from the area you wish to treat. Refer to the specifications section for recommended distances and coverage areas.



Image: A person resting comfortably while using the red light therapy device, highlighting the adjustable timing feature for convenience.



Image: A person performing stretches while positioned under the red light therapy device, demonstrating flexible usage during various activities.

6. Maintenance

To ensure the longevity and optimal performance of your device:

- **Cleaning:** Disconnect the device from power before cleaning. Use a soft, dry cloth to wipe the light panel and stand. Do not use abrasive cleaners or immerse the device in water.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Inspection:** Periodically inspect the power cord and connections for any signs of damage. If damage is found, discontinue use and contact customer support.

7. Troubleshooting

If you encounter any issues with your DMMBMFC NIR & Red Light Therapy Device, please refer to the following common solutions:

Problem	Possible Cause	Solution
Device does not turn on	Not plugged in; power outlet malfunction; damaged cord	Ensure the power cord is securely plugged into a working outlet. Check the power button on the controller.
Some LEDs are not lit	Normal operation for Near-Infrared; faulty LED	Near-infrared light (850nm) is invisible to the naked eye, so only half of the chips may appear illuminated when 850nm mode is active. If red LEDs are not working, contact support.
Device turns on unexpectedly	Electrical interference; internal malfunction	Ensure the device is not near other electronic devices that might cause interference. If the issue persists, unplug the device when not in use and contact customer support.
Stand is wobbly	Legs not fully extended; uneven surface	Ensure the tripod legs are fully extended and spread to the recommended 25.6 inches (65cm) for maximum stability. Place on a flat, even surface.

8. Specifications

- **Model:** 420
- **LED Count:** 420 high-power chips (3-in-1 design)
- **Wavelengths:** 660nm (Red Light), 850nm (Near-Infrared Light)
- **Timer Settings:** 5, 10, 15, 20, 25, 30 minutes
- **Brightness Levels:** Multiple adjustable levels
- **Stand Height Range:** 15 inches to 60 inches (adjustable)
- **Tripod Base Spread:** Approximately 25.6 inches (65cm) for stability
- **Irradiance (approximate):**
  - >100 mW/cm² at 6 inches (25% body coverage)
  - >55 mW/cm² at 12 inches (45% body coverage)
  - >36 mW/cm² at 18 inches (70% body coverage)
- **Manufacturer:** DMMBMFC
- **ASIN:** B0CBBV1JTD

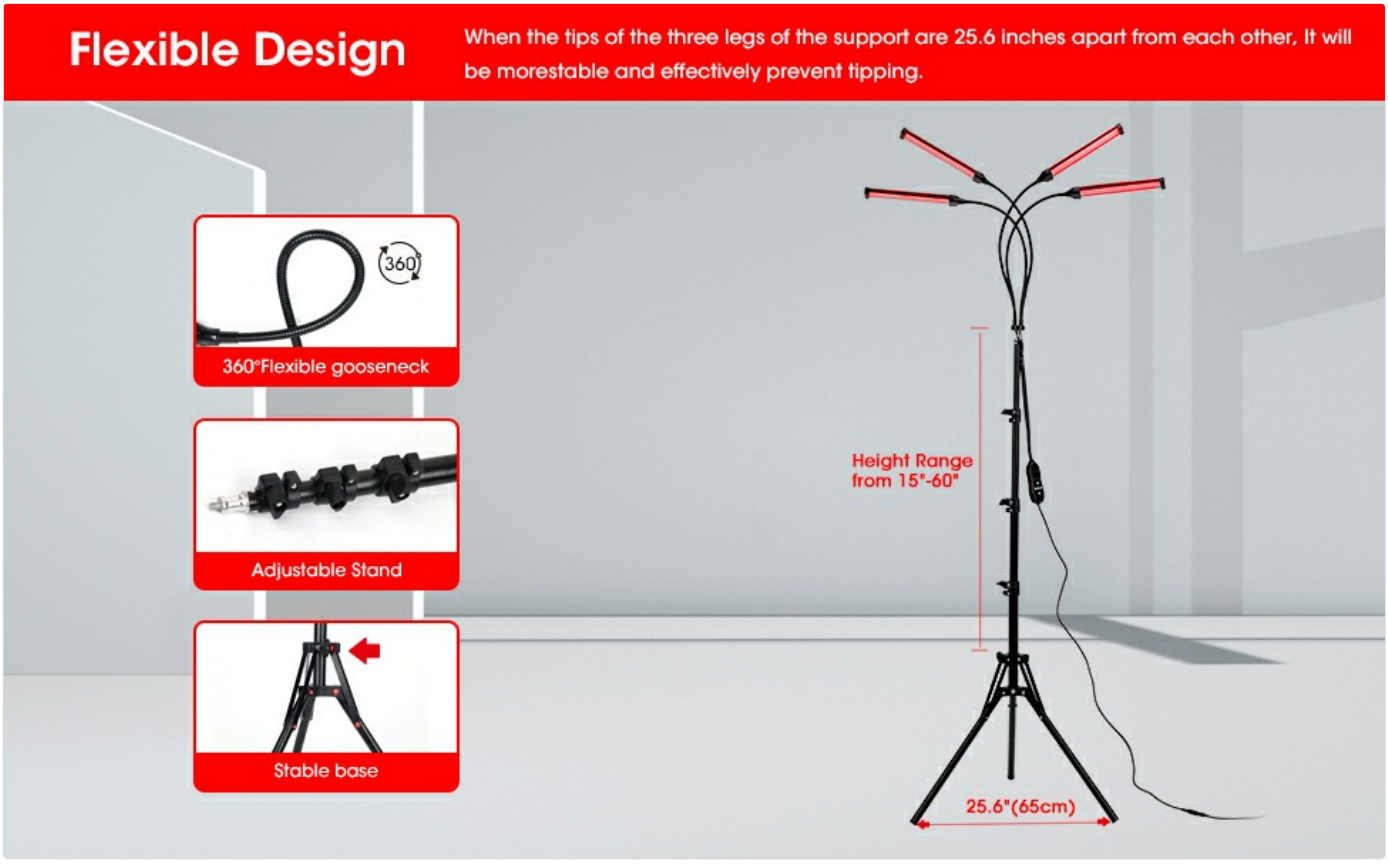


Image: A visual representation of the light therapy device's irradiance and body coverage at distances of 6, 12, and 18 inches.

9. Warranty and Support

For any questions, concerns, or technical support regarding your DMMBMFC NIR & Red Light Therapy Device, please contact the manufacturer directly. While specific warranty details are not provided in this manual, please retain your proof of purchase for any warranty claims.

You can typically find contact information on the product packaging or through the retailer where the product was purchased.

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