

Barrina QF24

Barrina LED Grow Light T8 QF24 Instruction Manual

Model: QF24 | Brand: Barrina

1. SAFETY INFORMATION

Please read all safety instructions carefully before installing or operating this product. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- Ensure the power supply is disconnected before installation, cleaning, or maintenance.
- This product is designed for indoor use only. Do not expose to water or high humidity.
- Do not attempt to modify or disassemble the light fixture. This will void the warranty and may cause damage or injury.
- Keep out of reach of children.
- Avoid direct eye exposure to the light when it is on.
- Ensure proper ventilation around the light fixture to prevent overheating.

2. PACKAGE CONTENTS

Verify that all components are present in your package:

- 6 x Barrina LED Grow Lights
- 3 x Power Cords with ON/OFF Switch
- 5 x Connecting Cords (48 inches)
- 6 x Small Connectors
- 24 x Installation Clips
- 12 x Tapes
- 24 x Cable Ties

PACKING LIST

● 6-pack



59"



● 3-pcs

48"
GM cords



● 5-pcs

24"
(2FT)

6
pcs



Image: Visual representation of the Barrina LED Grow Light package contents, including lights, cords, connectors, clips, tapes, and cable ties.

3. PRODUCT FEATURES

- **New Upgrade:** Compatible with Barrina GM Series Cords. Use new male-female connector cables for connecting new and old products for enhanced safety.
- **Full Spectrum:** Provides essential blue and red light for seed germination, leafy plant growth, and supports bloom and fruit stages.
- **Updated Plant Light Chips:** Features efficient chips with optimized color layout for improved plant growth in various environments like grow tents, shelves, hydroponic rooms, and greenhouses.
- **Reflector Design and Low Consumption:** Consumes 144W (576 LEDs total) to replace 800W general plant lights. Delivers high PPFD (210.7 $\mu\text{mol}/\text{m}^2/\text{s}$ at 8 inches per light) with top aluminum reflectors for 17-20% increased efficiency, higher light intensity, and effective heat dissipation.
- **Easy Installation:** Plug-and-play design. Includes tapes, clips, and cable ties for flexible mounting. Link up to 10 grow lights in a series using 48-inch connecting cords or short connectors.



Image: Barrina T8 Grow Light illuminating indoor plants, showcasing the pink full-spectrum light.

FULL SPECTRUM

SUITS FOR ALL GROWING STAGES
With more blue and red wave, best for blooming and fruiting. Also promotes seed germination and leaf growth.

24W HIGH OUTPUT

1.0
0.8
0.6
0.4
0.2
0

380 480 580 680 800

 **Updated Chips**
Combine into single color LEDs, more efficiency and better color layout.

Image: A graph illustrating the full spectrum output of the Barrina T8 Grow Light, highlighting blue and red light peaks for plant growth.

4. SETUP & INSTALLATION

The Barrina LED Grow Lights offer multiple installation and connection methods for versatility.

4.1 Connection Methods

Lights can be connected in series using the provided connecting cords or small connectors. Ensure the power is off before making connections.

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Video: Demonstrates how to connect the male and female ends of the T8 grow light using the provided cables for series connection.

2 CONNECTION METHODS

⚠ NOTICE:

To connect new and old lighting fixtures, please use the male-female connector cable included with the new model. For assistance, please contact the seller.

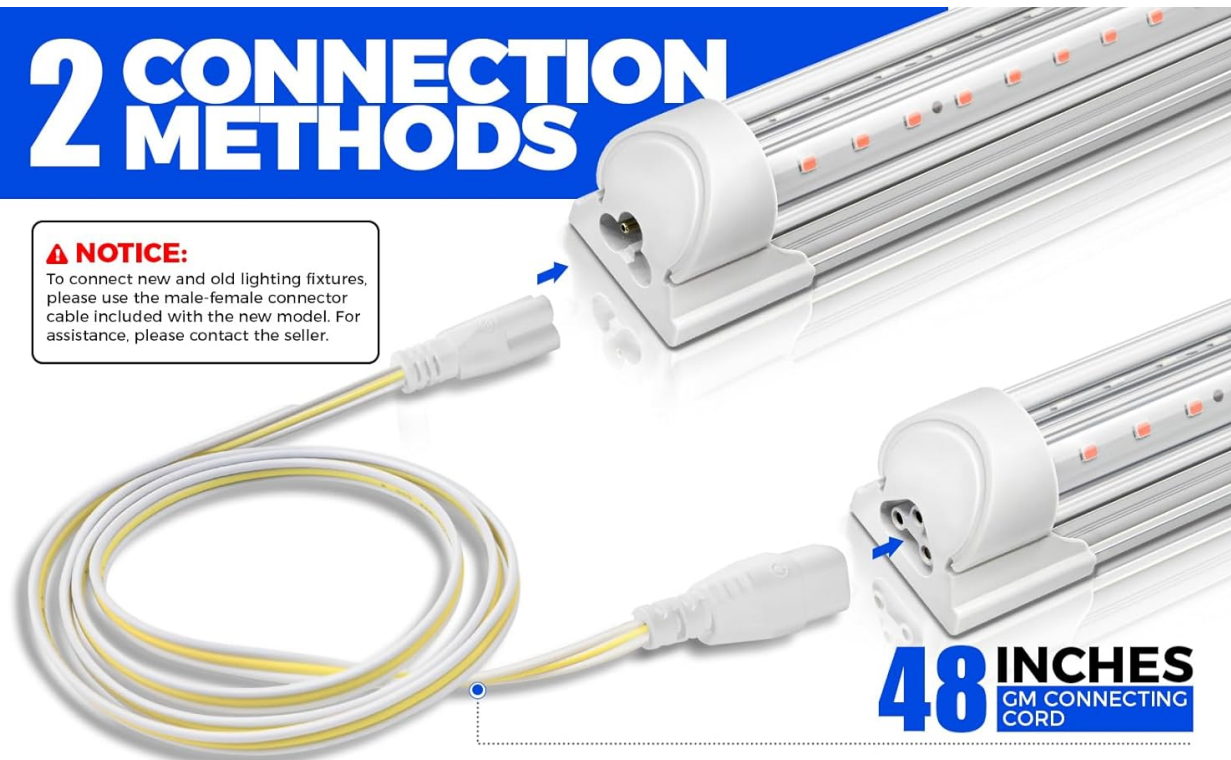


Image: Visual guide showing two connection methods: using a power cord with an ON/OFF switch and using a small connector to link two lights directly.

- **Power Cord Connection:** Plug one end of the power cord into the light fixture and the other into a wall outlet. Use the ON/OFF switch to control the light.
- **Series Connection:** Use the 48-inch connecting cords or small connectors to link multiple lights. Up to 10 (2FT) lights can be linked in a single series.

4.2 Installation Methods

Choose from three primary installation methods:

3 INSTALLATION METHODS



Image: Illustrates three installation methods: mounting to the ceiling with clips, attaching with double-sided tapes, and hanging with clips and chains/cables.

- **Mount to Ceiling:** Secure the installation clips to the ceiling or desired surface using screws. Snap the light fixture into the clips.
- **Double-sided Tapes:** For lightweight and temporary installations, use the provided double-sided tapes to adhere the light fixture to a clean, flat surface.
- **Hanging:** Attach the installation clips to the light fixture. Use cable ties or chains (not included) through the clips to hang the lights from a support structure.

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Video: Overview of Barrina T8 Series Grow Lights, demonstrating their application in various indoor plant setups and highlighting ease of installation.

5. OPERATING INSTRUCTIONS

Once installed, operate the Barrina LED Grow Light using the ON/OFF switch on the power cord. For optimal plant growth, consider the recommended hanging distances:

GROW LIGHT

HEIGHTS

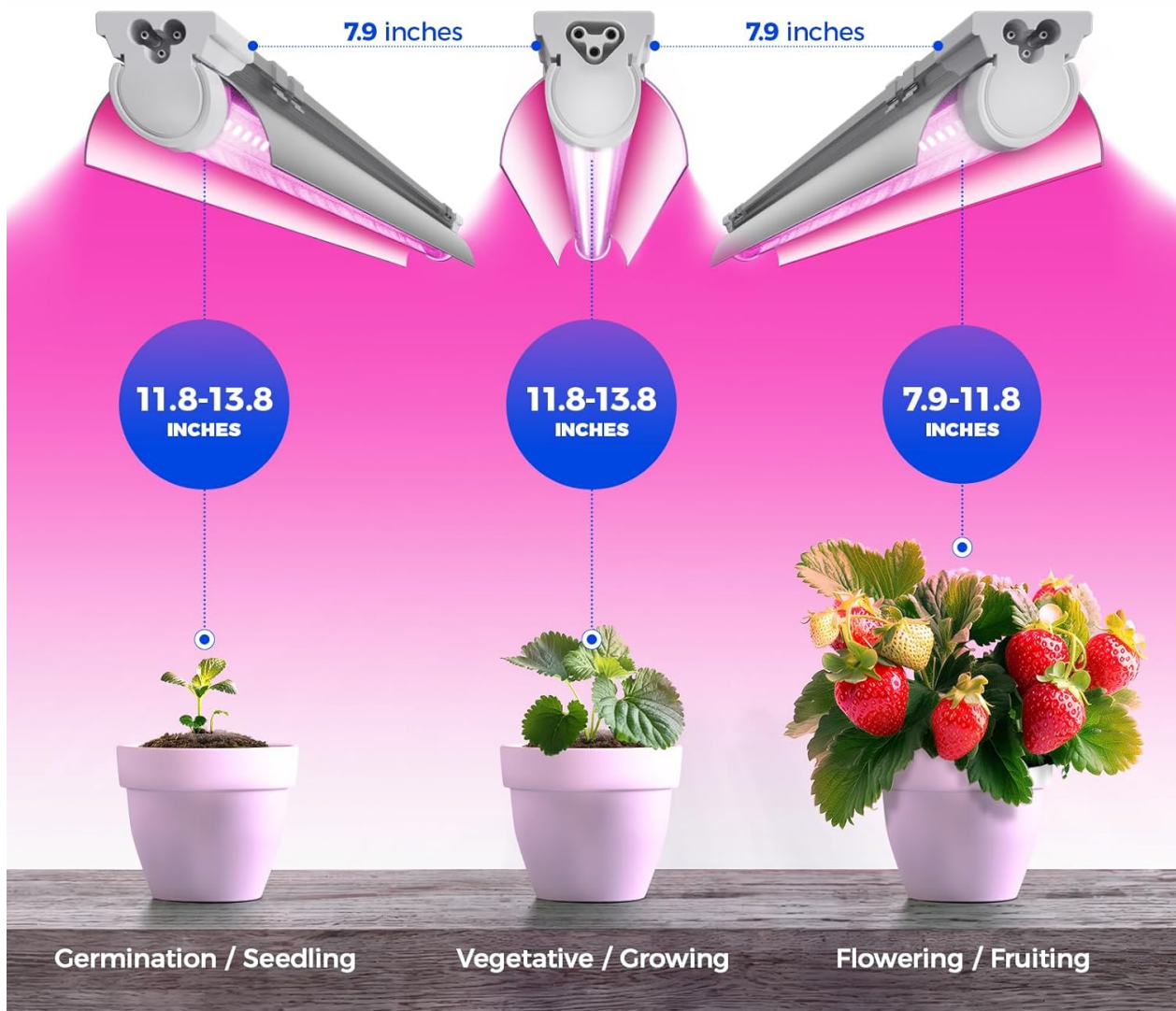


Image: Diagram showing suggested hanging distances for the grow light above plants at different growth stages: Germination/Seedling (11.8-13.8 inches), Vegetative/Growing (11.8-13.8 inches), and Flowering/Fruiting (7.9-11.8 inches).

- **Germination/Seedling:** Position the light 11.8-13.8 inches above the plants.
- **Vegetative/Growing:** Maintain a distance of 11.8-13.8 inches from the plants.
- **Flowering/Fruiting:** Lower the light to 7.9-11.8 inches above the plants for increased intensity.

Adjust the height as plants grow to ensure consistent light exposure.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Barrina LED Grow Light.

- **Cleaning:** Ensure the light is off and unplugged. Gently wipe the light fixture and reflector with a soft, dry cloth to remove dust and debris. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check all connections and cables for any signs of wear or damage. Replace any damaged components immediately.
- **Environment:** Maintain a stable indoor environment. Avoid extreme temperatures or sudden changes in humidity.

7. TROUBLESHOOTING

If you encounter issues with your Barrina LED Grow Light, refer to the following common troubleshooting steps:

- **Light Not Turning On:**
 - Check if the power cord is securely plugged into both the light fixture and the wall outlet.
 - Ensure the ON/OFF switch is in the 'ON' position.
 - Test the outlet with another device to confirm it has power.
 - If multiple lights are linked, check each connection point for proper seating.
- **Flickering Light:**
 - Verify all connections are secure. Loose connections can cause flickering.
 - Ensure the power supply is stable and not overloaded.
- **Uneven Light Distribution:**
 - Check if the reflector shields are properly installed and aligned.
 - Adjust the hanging height to ensure even coverage over your plants.

If the issue persists after following these steps, please contact Barrina customer support for further assistance.

8. SPECIFICATIONS

Brand	Barrina
Model Number	QF24
Size	2FT
Wattage	24 Watts (per light)
Number of Lights	6 (in 6-Pack)
Light Source Type	LED
Light Color	Pink (Full Spectrum)
Voltage	120 Volts
Material	Aluminum, Polycarbonate
Item Weight	5.1 Pounds (for 6-Pack)
Product Dimensions	4.72 x 4.72 x 25.39 inches
Indoor/Outdoor Usage	Indoor
Special Features	Energy Efficient, Linkable, Full Spectrum, High PPFD, V-shaped Reflector Design, High-efficiency Heat Dissipation, Easy Installation, Flexible Mounting Options

9. WARRANTY & SUPPORT

Barrina products are manufactured to high-quality standards. For warranty information, product support, or to purchase replacement parts, please visit the official Barrina website or contact their customer service department.

Keep your purchase receipt as proof of purchase for warranty claims.

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Documents - Barrina – QF24

no relevant documents