

Barrina QC12

Barrina T8 1FT 5000K Full Spectrum LED Grow Light Instruction Manual

Model: QC12

1. INTRODUCTION

Thank you for choosing Barrina T8 1FT 5000K Full Spectrum LED Grow Lights. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new grow lights. Please read these instructions carefully before use and retain them for future reference.

2. PRODUCT FEATURES

- **New Upgrade Compatibility:** Compatible with Barrina GM Series Cords. New male-female connector cables ensure safer connections, preventing accidental electrical issues.
- **5000K Daylight Full Spectrum:** Provides a full-spectrum sunlight replacement, optimized for plant absorption ratios, suitable for seedling, growth, and blooming stages.
- **High Efficiency & PPF:** Consumes only 60W (4 x 15W) with 192 LEDs, offering high Photosynthetic Photon Flux Density (PPFD). Over 95% of light energy is absorbable by plants.
- **Reflector Design:** V-shape reflector increases light efficiency by 17-20%.
- **Durable Construction:** 100% aluminum shell ensures high-efficiency heat dissipation for extended LED chip lifespan.
- **Eye Protection:** 5000K white light color temperature is comfortable for human eyes, making it suitable for various indoor applications.
- **Easy & Flexible Installation:** Plug-and-play design with multiple installation methods including double-sided tape, clips, and cable ties. Linkable up to 10 light strips in series.

3. PACKAGE CONTENTS

The Barrina T8 1FT Grow Light package includes the following items:

- 4 x Barrina LED Grow Lights
- 2 x Power Cords with ON/OFF Switch

- 3 x Connecting Cords (20 inches)
- 4 x Small Connectors
- 16 x Installation Clips
- 8 x Double-sided Tape
- 16 x Cable Ties

PACKING LIST

4-pack



59"



2-pcs

20"
GM cords



3-pcs

12"
(1FT)

4
pcs



Figure 1: Detailed view of the Barrina T8 Grow Light 4-pack contents.

4. SETUP AND INSTALLATION

4.1. Connecting the Lights

The Barrina T8 grow lights are designed for easy connection. You can link multiple lights in a series using the provided connecting cords or small connectors.

- **Direct Connection:** Use the small connectors to directly link two light strips end-to-end.

- **Cable Connection:** Use the 20-inch connecting cords to link light strips with a gap between them.
- **Power Supply:** Connect one of the power cords with an ON/OFF switch to the first light strip in your series. You can link up to 10 light strips (1FT) in a single series.
- **Important Note on Upgrades:** If connecting new lights with older Barrina GM Series Cords, ensure you use the new male-female connector cables for safety and compatibility.



Figure 2: Two methods for connecting Barrina T8 Grow Lights.

4.2. Installation Methods

Choose the most suitable installation method for your setup:

- **Mount to Ceiling:** Use the provided installation clips and screws to securely mount the lights to a ceiling or flat surface.
- **Double-sided Tapes:** For lightweight and temporary installations, use the double-sided tape to adhere the lights to a clean, dry surface.
- **Hanging:** Attach the installation clips to the light strips and use the cable ties or chains (not included) to hang the lights from a support structure.

3 INSTALLATION METHODS



01



Mount to Ceiling

02



Double-sided Tapes

03



Hanging

Figure 3: Various installation options for Barrina T8 Grow Lights.

4.3. Video Guide: Connecting Male and Female Ends

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Video 1: This video demonstrates the correct procedure for connecting the male and female ends of the Barrina T8 grow lights, ensuring a secure and functional setup.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off

Once installed, simply plug the power cord into a standard electrical outlet. Use the ON/OFF switch located on the power cord to control the lights. For optimal plant growth, it is recommended to use a timer (not included) to maintain a consistent light cycle.

5.2. Light Spectrum and Plant Stages

The 5000K white full spectrum light is designed to provide all necessary wavelengths for various plant growth stages:

- **Seedling Stage:** Provides gentle yet effective light for germination and early seedling development.
- **Vegetative Growth:** Supports robust leaf and stem development.
- **Blooming Stage:** Encourages flowering and fruiting.

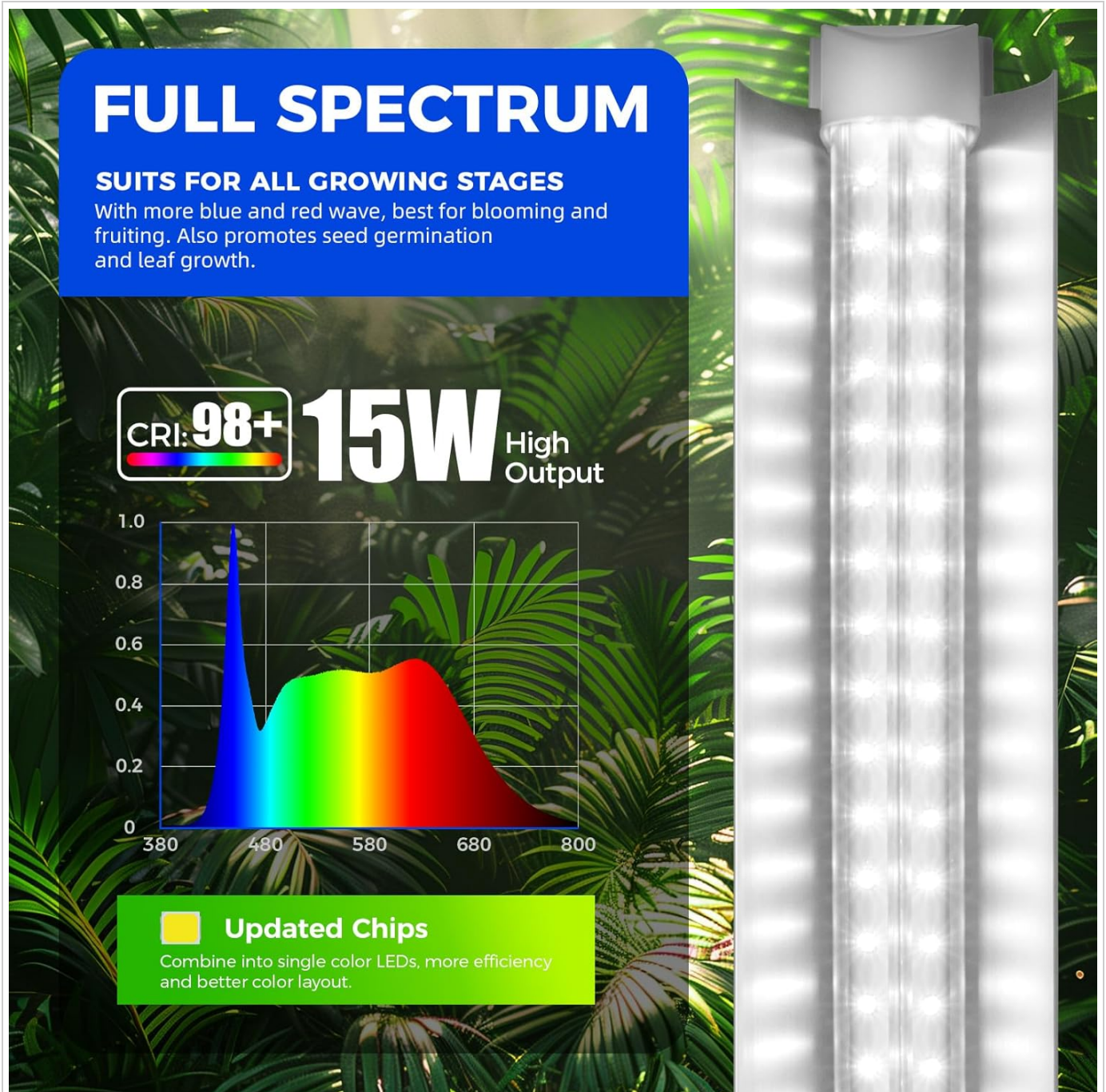


Figure 4: Full Spectrum output of Barrina T8 Grow Lights.

5.3. Optimal Hanging Height

Adjust the distance between the grow lights and your plants based on their growth stage to ensure optimal light intensity (PPFD):

- **Germination / Seedling:** Approximately 19.7 inches above plants.
- **Vegetative / Growing:** Approximately 11.8 inches above plants.
- **Flowering / Fruiting:** Approximately 7.8 inches above plants.

OPTIMAL HEIGHT

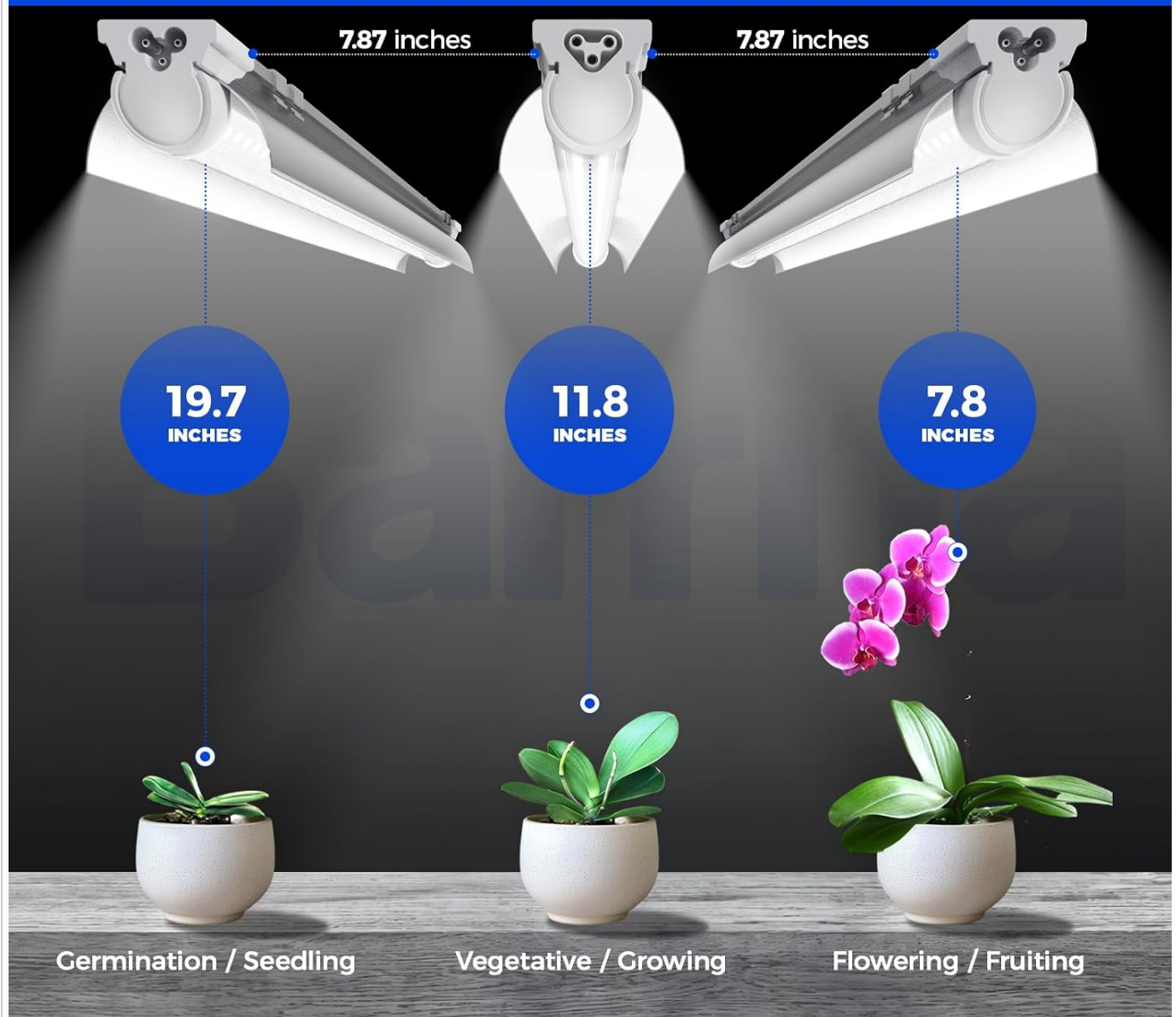


Figure 5: Recommended hanging distances for various plant growth stages.

5.4. Video Guide: Barrina T8 Series Grow Lights Overview

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Video 2: This video provides a comprehensive overview of the Barrina T8 Series Grow Lights, highlighting their features and benefits for indoor plant cultivation.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Barrina T8 Grow Lights, follow these simple maintenance guidelines:

- **Cleaning:** Periodically wipe the light strips with a soft, dry cloth to remove dust and debris. Ensure the lights are unplugged before cleaning. Do not use harsh chemicals or abrasive materials.
- **Inspection:** Regularly check all connections and cables for any signs of damage or wear. Replace any damaged components immediately.

- **Ventilation:** Ensure adequate airflow around the lights to assist with heat dissipation, especially in enclosed spaces like grow tents.

7. TROUBLESHOOTING

If you encounter any issues with your Barrina T8 Grow Lights, refer to the following common troubleshooting steps:

- **Lights Not Turning On:**
 - Check if the power cord is securely plugged into both the light strip and the electrical outlet.
 - Ensure the ON/OFF switch on the power cord is in the 'ON' position.
 - Verify that the electrical outlet is functional by plugging in another device.
 - If multiple lights are linked, check all connecting cords and small connectors for secure connections.
- **Flickering Lights:**
 - Ensure all connections are tight and secure. Loose connections can cause flickering.
 - Test the light in a different outlet to rule out power supply issues.
- **Reduced Brightness:**
 - Clean the light strips to remove any dust or film that may be obstructing light output.
 - Ensure the reflector is properly installed and clean.

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

8. SPECIFICATIONS

Feature	Specification
Brand	Barrina
Model Number	QC12
Color	White
Material	Aluminum, Polycarbonate
Style	Modern
Light Source	LED
Light Color	White (5000K Full Spectrum)
Wattage	15 watts per light (60W for 4-pack)
Brightness	1500 lumen
Voltage	120 Volts
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, Hanging Plant Lights
Item Dimensions L x W x H	12.5"L x 1.3"W x 1.37"H
Water Resistance Level	Not Water Resistant

9. WARRANTY AND SUPPORT

Barrina T8 Grow Lights come with a **2-year warranty**. For warranty claims, technical support, or any questions not covered in this manual, please contact Barrina customer service. Keep your purchase receipt as proof of purchase.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question