

Barrina MF10

Barrina T5 Full Spectrum LED Grow Lights (Model MF10) User Manual

For Indoor Plants, 2FT, 80W (8 x 10W) Pinkish White

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Barrina T5 Full Spectrum LED Grow Lights, Model MF10. These lights are designed to provide optimal lighting conditions for indoor plants across all growth stages, from seedling to flowering.



Image 1.1: Barrina T5 LED Grow Light setup for indoor plants.

2. PRODUCT FEATURES

- **Full Spectrum (Pinkish White Color):** Provides a balanced light spectrum suitable for all plant growth stages, mimicking natural sunlight.
- **High Efficiency and Brightness:** Each 10W light bar contributes to a total of 80W (for the 8-pack), offering high Photosynthetic Photon Flux Density (PPFD) for robust plant development.
- **Easy Installation:** Designed for quick setup with included double-sided tape, clips, and cable ties. Plug-and-

play functionality allows for linking up to 16 lights in series.

- **Separately Controllable:** Each light bar features an individual ON/OFF switch, enabling independent control or synchronized operation based on plant requirements.



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.

10W HIGH OUTPUT



Wavelength (nm)	Relative Intensity
380	0.0
440	1.0
480	0.1
520	0.3
580	0.2
660	0.7
780	0.0

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

Image 2.1: Full spectrum light output graph, showing blue and red wavelengths for optimal plant growth.

HIGH PPFD



Image 2.2: PPFD measurements at different distances, illustrating light intensity for plant growth.

3. PACKAGE CONTENTS

Verify that all components listed below are included in your package:

- 8 x Barrina T5 2ft Grow Lights
- 4 x Power Cords with ON/OFF Switch
- 7 x Connecting Cords (20 inches)
- 8 x Small Connectors
- 16 x Installation Clips
- 24 x Double-sided Tapes
- 24 x Cable Ties

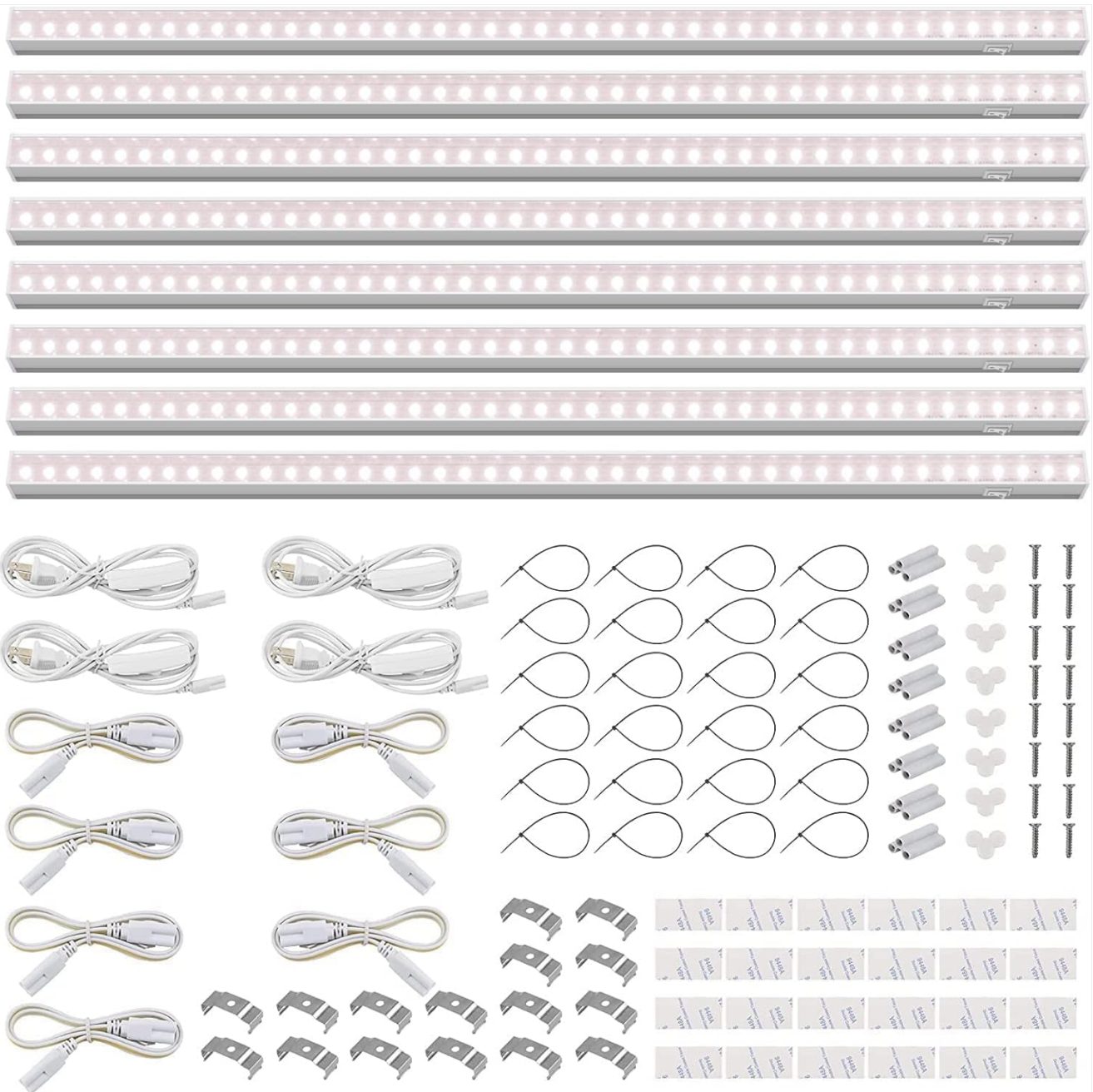
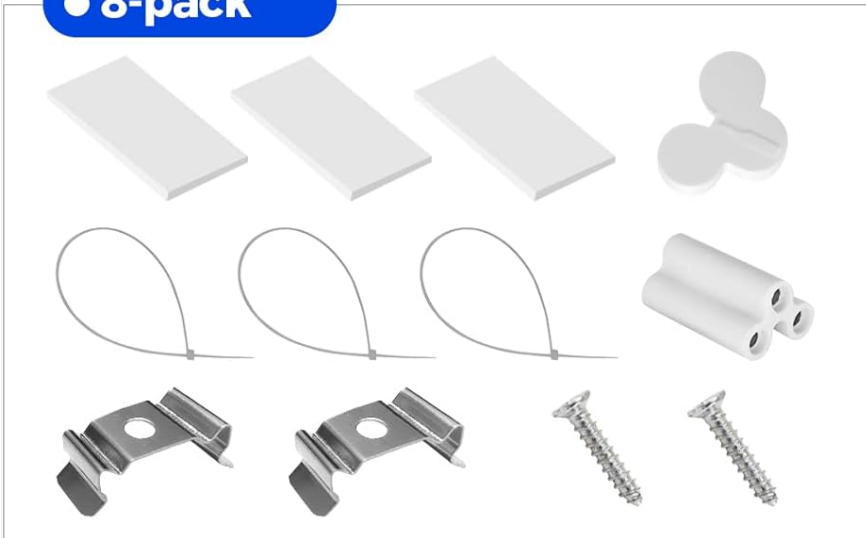


Image 3.1: Overview of all included components: 8 light bars, power cords, connecting cords, small connectors, installation clips, double-sided tapes, and cable ties.

PACKING LIST

● 8-pack



59"



● 4-pcs

19.6"



● 7-pcs

23.6" (2FT)

L : 23.6"
W : 0.78"
H : 0.78"



8
pcs

Image 3.2: Detailed visual representation of the packing list, including dimensions of light bars and cables.

4. SETUP & INSTALLATION

Follow these steps to install your Barrina T5 Grow Lights:

1. **Choose Installation Method:** Select one of the three provided methods: double-sided tape for temporary placement, clips and screws for secure mounting, or cable ties for attaching to racks or poles.
2. **Mount the Lights:** Secure the light bars in your desired location using the chosen method. Ensure the surface is clean and dry if using double-sided tape.
3. **Connect Lights (Optional):** If using multiple lights, connect them in series using the provided connecting cords or small connectors. Up to 16 lights can be linked.
4. **Connect Power:** Plug the power cord into the first light in the series or a single light. Ensure the ON/OFF switch on the power cord is accessible.
5. **Optimal Hanging Distance:** Adjust the distance between the lights and your plants according to their growth

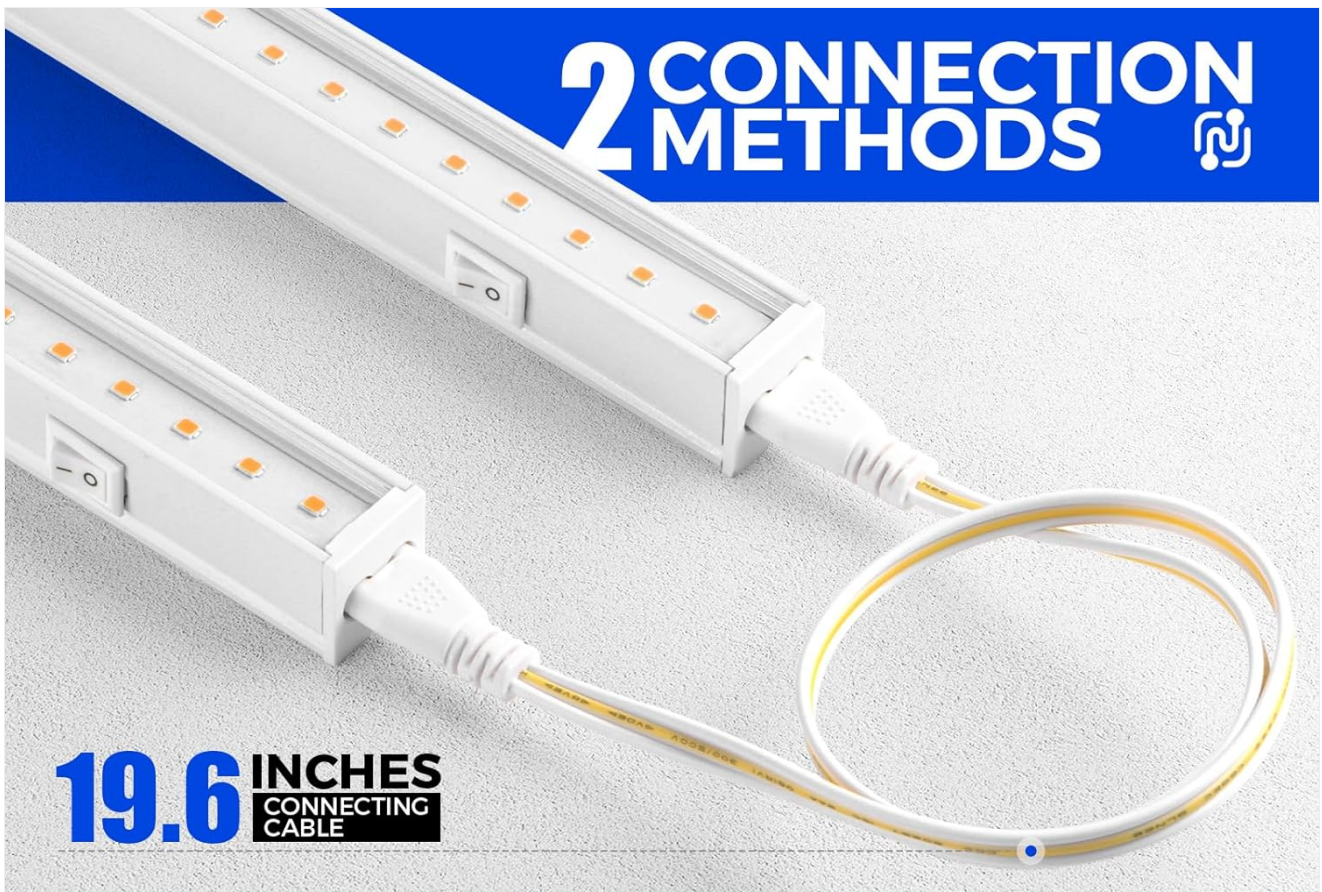
stage for best results. Refer to the table below for suggestions.

THREE INSTALLATION



Image 4.1: Visual guide for three installation options: double-sided tape, clips with screws, and cable ties.

2 CONNECTION METHODS



19.6 INCHES
CONNECTING
CABLE



Image 4.2: Illustration of two connection methods: using a connecting cord for spacing or a direct connector for a continuous strip.

EASY TO USE



59 INCHES
POWER CORD

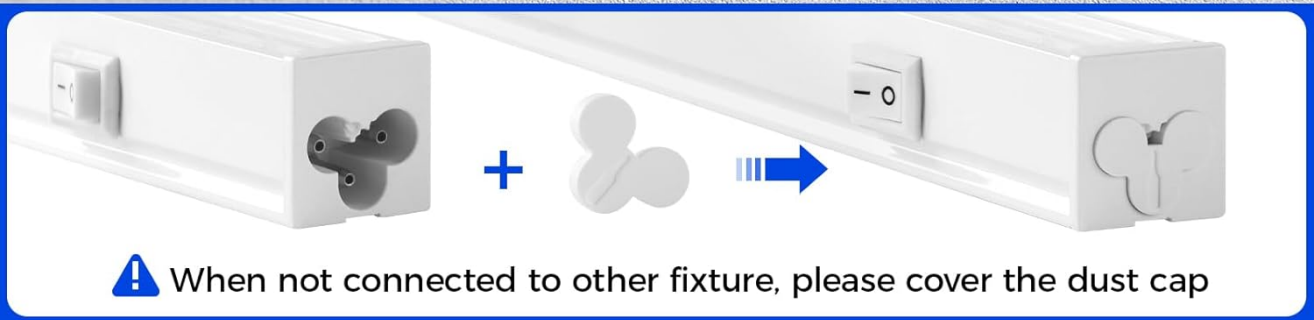


Image 4.3: How to connect the power cord and the importance of covering unused ports with a dust cap.

Recommended Hanging Distances:

Plant Growth Stage	Recommended Hanging Distance
Germination / Seedling	11.8 - 13.8 inches (30 - 35 cm)
Vegetative / Growing	11.8 - 13.8 inches (30 - 35 cm)
Flowering / Fruiting	7.9 - 11.8 inches (20 - 30 cm)



Image 4.4: Visual guide for optimal hanging distances during different plant growth phases.

5. OPERATING INSTRUCTIONS

Once installed, operating your Barrina T5 Grow Lights is straightforward:

1. **Power On/Off:** Use the ON/OFF switch located on the power cord to turn all connected lights on or off.
2. **Individual Control:** Each light bar is equipped with its own ON/OFF switch. This allows you to control individual lights separately, adjusting the light intensity for specific plants or areas as needed.
3. **Lighting Schedule:** Establish a consistent lighting schedule based on your plants' needs. Most plants benefit from 12-18 hours of light per day, followed by a dark period. Consider using an external timer for automation.



Image 5.1: Individual ON/OFF switches on each light bar for separate control.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your grow lights:

- **Cleaning:** Periodically wipe the light bars 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 wear or damage. Replace any damaged components immediately.
- **Ventilation:** Ensure adequate airflow around the lights to prevent overheating, although LED lights produce minimal heat.

7. TROUBLESHOOTING

If you encounter issues with your Barrina T5 Grow Lights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on.	No power, loose connection, faulty switch.	Check power outlet, ensure all connections are secure, verify power cord and individual light switches are ON.
Some lights in a series are off.	Individual light switch off, faulty connecting cord, maximum lights linked exceeded.	Check individual light switch, inspect connecting cords, ensure no more than 16 lights are linked in a single series.
Lights flicker.	Loose connection, unstable power supply.	Check all connections, try plugging into a different power outlet.
Plants are not growing well.	Incorrect hanging distance, insufficient light duration, other environmental factors.	Adjust hanging distance according to plant stage (refer to Section 4), ensure adequate light duration (12-18 hours), check temperature, humidity, and nutrient levels.

8. SPECIFICATIONS

Feature	Detail
Model Name	MF10
Brand	Barrina
Light Source Type	LED
Color	Pinkish White
Wattage (per light)	10 Watts
Number of Items	8 (in this pack)
Product Dimensions	24"D x 6.69"W x 2.17"H (61cm D x 17cm W x 5.5cm H)
Item Weight	3.3 Pounds (1.5 kg)
Material	Aluminum, Polycarbonate
Voltage	120 Volts (AC)
Indoor/Outdoor Usage	Indoor use only
Switch Type	Push Button (on each light)
Control Method	App (Note: This might refer to compatibility with smart plugs/timers, not built-in app control)
Water Resistance Level	Not Water Resistant

9. SAFETY INFORMATION

Please read and follow all safety instructions to prevent injury or damage:

- Always unplug the lights from the power source before installation, cleaning, or maintenance.
- Do not operate the lights with a damaged cord or plug.
- This product is designed for indoor use only. Do not expose to water or high humidity.
- Do not look directly into the LED lights when they are on, as this may cause eye strain.
- Keep out of reach of children and pets.
- Ensure proper ventilation to prevent heat buildup, although LED lights generate minimal heat.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or visit the official Barrina website. Keep your purchase receipt for warranty claims.

You can also visit the Barrina Store on Amazon for more products and support:[Barrina Amazon Store](#)