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## Barrina MF10

# Barrina T5 Full Spectrum Grow Lights (MF10) Instruction Manual

Model: MF10

## 1. PRODUCT OVERVIEW

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The Barrina T5 Full Spectrum Grow Lights are designed to provide indoor plants with optimal light for all growth stages, from seedling to flowering. These 2ft, 40W (4 x 10W) LED lights offer a full-spectrum sunlight replacement, ensuring over 95% light energy absorption by plants. They are suitable for various indoor plant environments, including greenhouses.

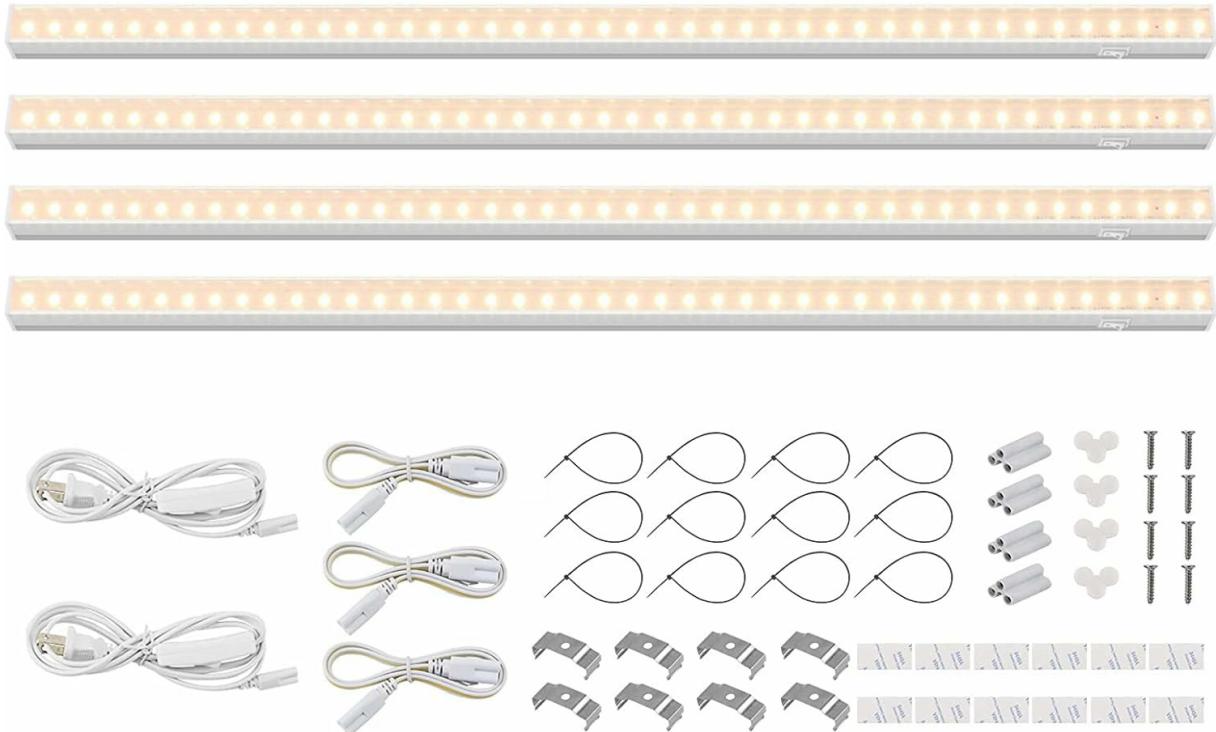


Image: Barrina T5 Grow Lights illuminating three shelves of indoor plants, with a cat sitting on the bottom shelf. The lights provide full spectrum, are linkable, and easy to install.

## 2. PACKAGE CONTENTS

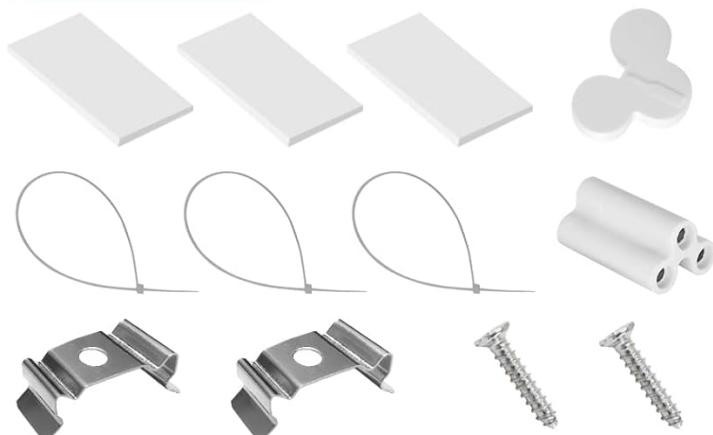
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Upon opening your Barrina T5 Grow Lights package, you should find the following components:

- 4 x Barrina T5 Grow Lights
- 2 x Power Cords with ON/OFF Switch
- 4 x Connecting Cords (39.37 inches)
- 4 x Small Connectors
- 8 x Installation Clips
- 12 x Double-sided Tapes
- 12 x Cable Ties

# PACKING LIST

## ● 4-pack



**59"**



● 2-pcs

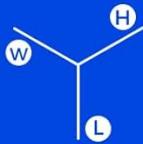
**19.6"**



● 3-pcs

**23.6"(2FT)**

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



**4**  
PCS

Image: A detailed diagram illustrating the contents of the Barrina T5 Grow Lights package, including all lights, cords, connectors, and mounting hardware.

## 3. SETUP AND INSTALLATION

The Barrina T5 Grow Lights are designed for easy installation with multiple mounting options. Please ensure the mounting surface is clean, dry, and smooth. Avoid uncured plaster, dusty, greasy, or rough surfaces.

### Mounting Options:

1. **Double-sided Tapes:** For quick and easy attachment to flat surfaces.
2. **Clips + Screws:** For a more secure and permanent installation.
3. **Cable Ties:** Ideal for attaching to racks or frames.

You can install the LED grow light strips by yourself in minutes. Just plug in and light up. Up to 16 lights can be linked in a series using the provided connecting cords or small connectors.

# THREE INSTALLATION



Image: Visual guide demonstrating three methods for installing the grow lights: using double-sided adhesive tapes, securing with clips and screws, or fastening with cable ties.

# 2 CONNECTION METHODS

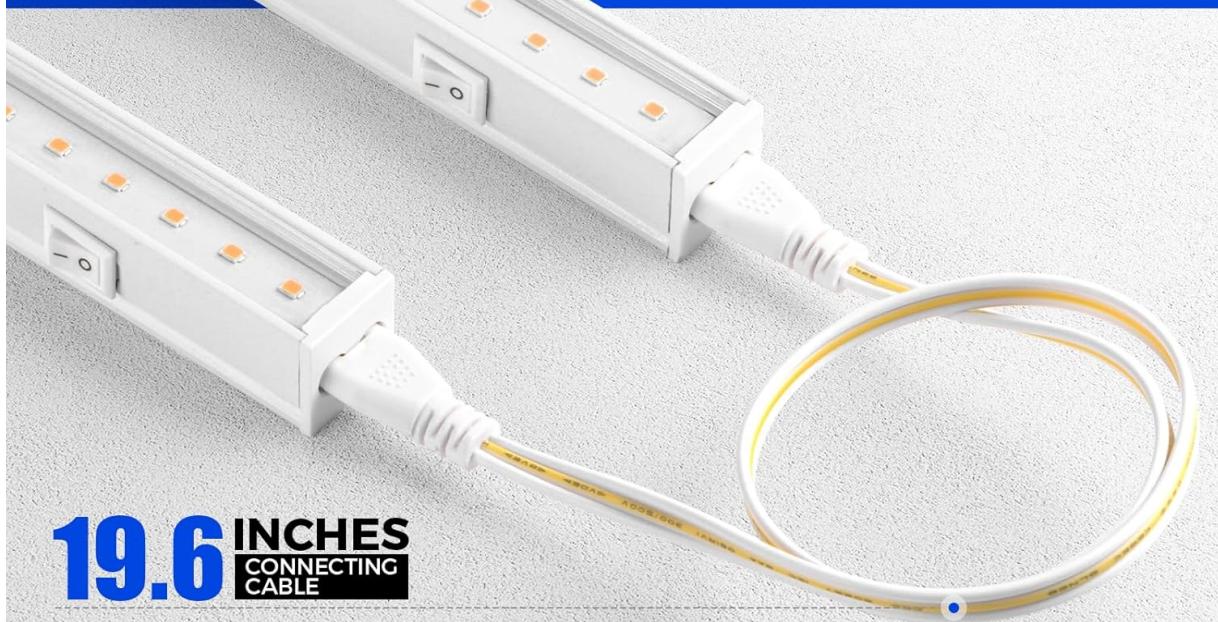


Image: Illustration of how to connect multiple grow lights using either a connecting cable for spacing or small direct connectors for a seamless link.

# EASY TO USE

**59 INCHES**  
POWER CORD

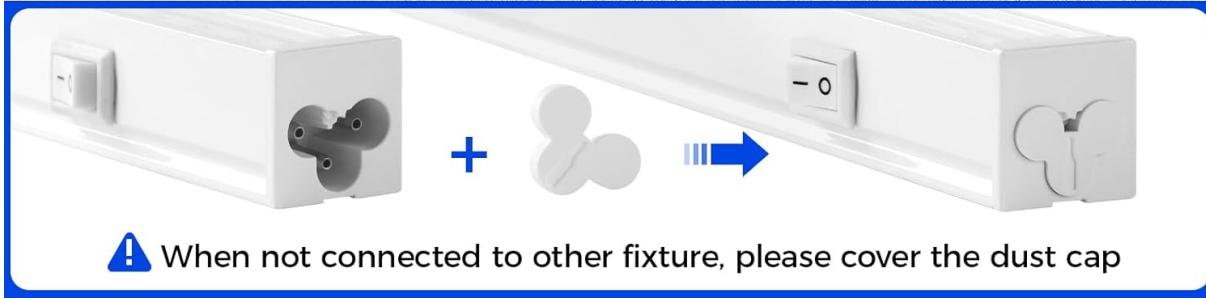


Image: The power cord with an integrated ON/OFF switch, measuring 59 inches, is shown. A dust cap is also depicted, emphasizing its use to cover any unused fixture connection ports.

## 4. OPERATING INSTRUCTIONS

The Barrina T5 Grow Lights are designed for efficient and flexible operation to support your plants' growth cycles.

### Full Spectrum Lighting:

These lights provide a full spectrum of light, which is crucial for all growing stages. The spectrum includes blue light to promote root and leaf development, green light to assist in photosynthesis and regulate growth, red light to promote flowering and fruiting, and far-red light to stimulate cell elongation and regulate flowering.

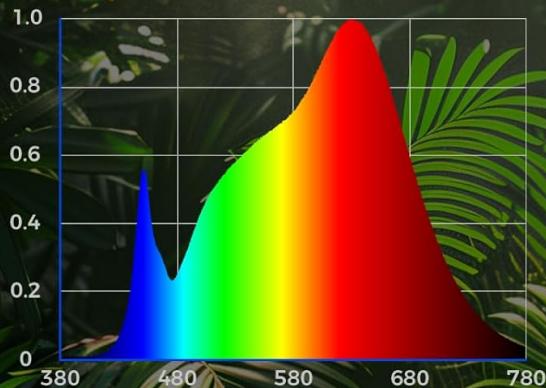
# FULL SPECTRUM

## SUITS FOR ALL GROWING STAGES

With more blue and red wave, best for blooming and fruiting. Also promotes seed germination and leaf growth.

CRI: 98

10W High Output



### Updated Chips

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



Image: A spectrum graph illustrating the light output across different wavelengths, highlighting the full spectrum coverage with peaks in blue and red light, ideal for various plant growth stages.

## High PPFD and Energy Efficiency:

Consuming only 40W with 200 LEDs in total, these lights replace 250W general plant lights, offering high Photosynthetic Photon Flux Density (PPFD). This makes them an excellent choice for plants in seedling, vegetative, and flowering cycles.

# HIGH PPFD

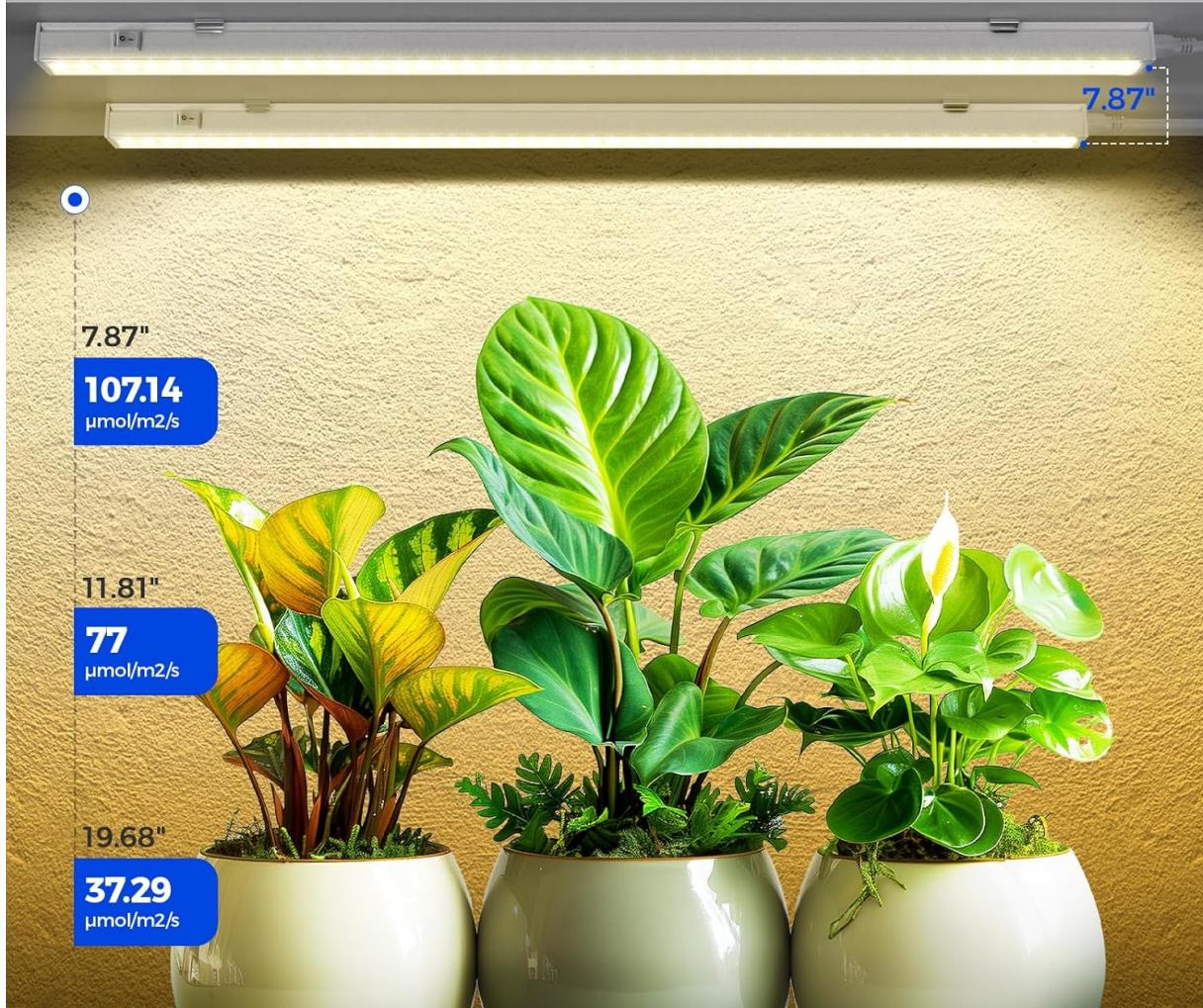
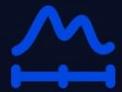


Image: A visual representation of PPFD (Photosynthetic Photon Flux Density) values at varying distances from the grow light, indicating light intensity for plant absorption.

## Separately Controllable:

Each grow light fixture features an individual ON/OFF switch on its housing. This allows you to control lights separately or together, adjusting the PPFD according to your plants' specific needs.



Image: A close-up view of the grow light highlighting the ON/OFF switch on the fixture, demonstrating the ability to control individual lights.

#### Recommended Hanging Distances:

- **Germination / Seedling:** 11.8 - 13.8 inches
- **Vegetative / Growing:** 11.8 - 13.8 inches
- **Flowering / Fruiting:** 7.9 - 11.8 inches



**(4-Pack) 2FT**

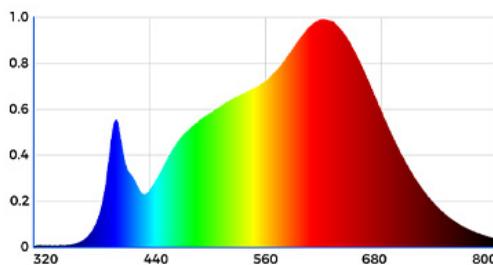


Image: A visual guide recommending optimal hanging distances for the grow lights based on the plant's growth stage, from seedling to flowering.

## 5. MAINTENANCE

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To ensure optimal performance and longevity of your Barrina T5 Grow Lights, keep the fixtures clean and free from dust. Gently wipe the light surface with a soft, dry cloth. Do not use abrasive cleaners or solvents.

Regularly inspect all connections and mounting points to ensure they remain secure. If any components appear damaged, discontinue use and contact customer support.

## 6. TROUBLESHOOTING

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If you encounter any issues with your Barrina T5 Grow Lights, please refer to the following basic troubleshooting steps:

- **Lights not turning on:**
  - Ensure the power cord is securely plugged into a working outlet.
  - Check that the ON/OFF switch on the power cord and on each individual fixture is in the 'ON' position.
  - Verify all connecting cords and small connectors are properly seated.
- **Flickering lights:**
  - Check all connections for looseness.
  - Ensure the power source is stable.

- **Uneven light distribution:**

- Adjust the hanging distance of the lights according to the plant's growth stage (refer to Section 4).
- Ensure lights are evenly spaced over your plants.

For further assistance, please contact Barrina customer support.

## 7. SPECIFICATIONS

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Feature	Specification
Model Number	MF10
Color	Yellow
Shape	Rectangular
Material	Aluminum, Polycarbonate (PC)
Finish Type	Natural
Light Source Type	LED
Power Source	Corded Electric
Item Weight	1.5 Pounds
Voltage	120 Volts (AC)
Light Source Wattage	10 Watts (per light)
Mounting Type	Ceiling Mount
Bulb Features	Not Dimmable
Color Rendering Index	80
Number of Light Sources	200 (total for 4 lights)
Product Dimensions	23.1" L x 0.79" W x 0.79" H (per light)
Light Output Maximum	1500 Lumens

## 8. WARRANTY AND SUPPORT

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Barrina is committed to providing innovative lighting solutions. For any product-related inquiries or support, please refer to the contact information provided with your purchase or visit the official Barrina website. Optional protection plans are available for purchase separately to extend coverage beyond the standard product warranty. These plans offer additional peace of mind for your investment.