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› [MARS HYDRO](#) /

› [MARS HYDRO 2025 Plant Stand with Grow Lights and Grow Tent \(Model MH-PlantStand-S\) Instruction Manual](#)

MARS HYDRO MH-PlantStand-S

MARS HYDRO 2025 Plant Stand with Grow Lights and Grow Tent (Model MH-PlantStand-S)

Instruction Manual

[Contents](#) [Assembly](#) [Operation](#) [Introduction](#) [Features](#) [Safety Information](#) [Maintenance](#) [Package](#) [Troubleshooting](#) [Specifications](#) [Warranty](#) [& Support](#)

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your MARS HYDRO 2025 Plant Stand with Grow Lights and Grow Tent (Model MH-PlantStand-S). This indoor plant shelf system is designed to support the growth of various plants, including vegetables, seedlings, and flowers, by providing full-spectrum LED lighting and a controlled microclimate.

2. SAFETY INFORMATION

- Always ensure the product is assembled on a stable, level surface to prevent tipping.
- Do not overload shelves beyond the specified weight capacity (50 kg / 110 lbs per layer).
- Keep electrical components, including grow lights and power cables, away from water and moisture to prevent electrical shock.
- Ensure all electrical connections are secure before plugging into a power source.
- Do not attempt to modify the electrical components or wiring. Contact qualified personnel for repairs.
- Keep out of reach of children and pets.
- Unplug the unit from the power outlet before cleaning or performing any maintenance.

3. PACKAGE CONTENTS

Verify that all components are present before beginning assembly. Refer to the image below for a visual guide to the included parts.

DISCREET PACKAGE

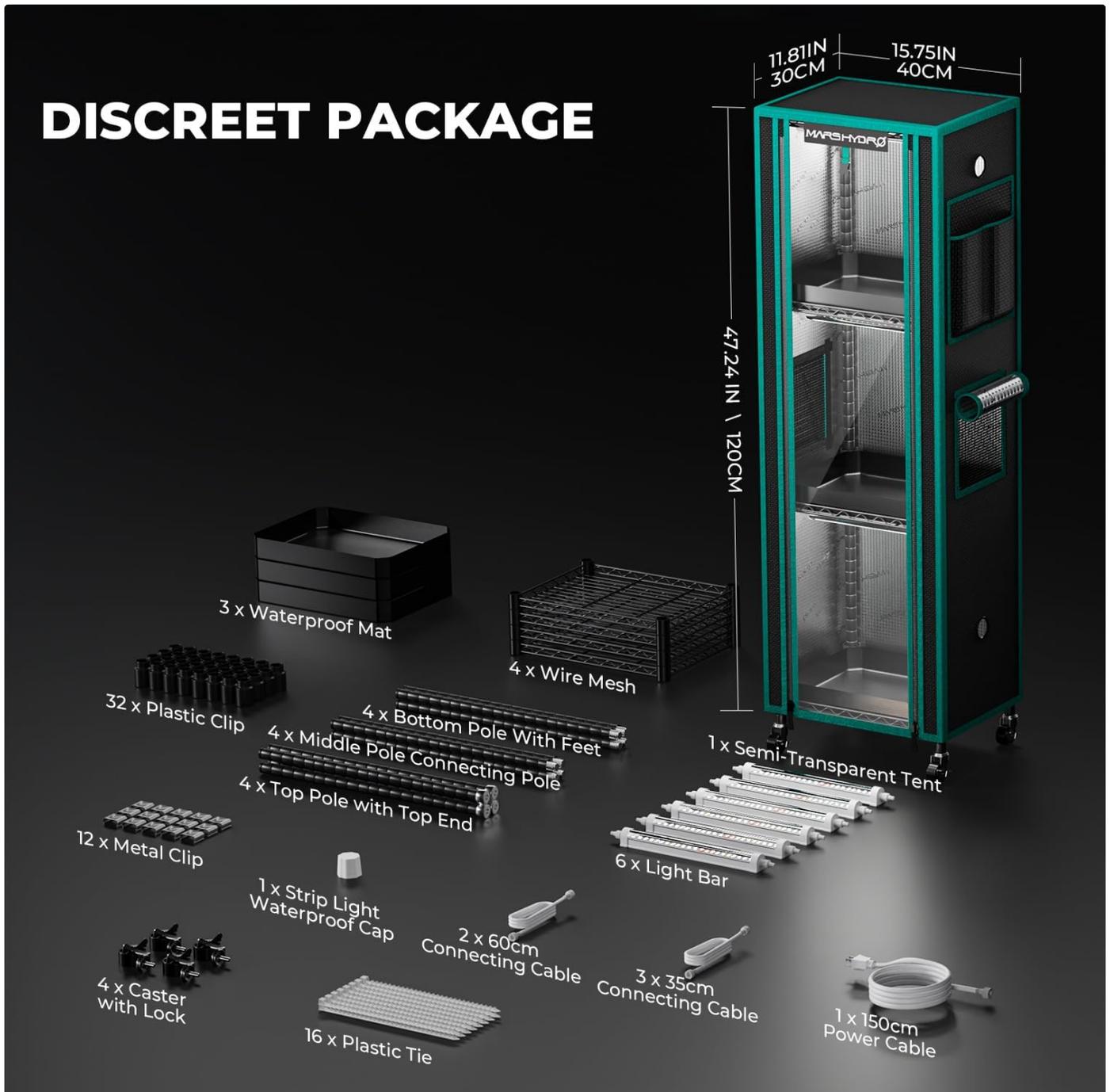


Figure 1: All components included in the MARS HYDRO Plant Stand package. This includes wire mesh shelves, poles, plastic clips, caster wheels, waterproof mats, light bars, connecting cables, and the semi-transparent tent cover.

- 1x Semi-Transparent Tent
- 6x Light Bar
- 4x Wire Mesh Shelves
- 3x Waterproof Mat
- 32x Plastic Clips
- 12x Metal Clips
- 4x Caster Wheels with Lock
- 4x Bottom Pole with Feet
- 4x Middle Pole Connecting Pole
- 4x Top Pole with Top End
- 1x Strip Light Waterproof Cap
- 2x 60cm Connecting Cable

- 3x 35cm Connecting Cable
- 1x 150cm Power Cable
- 16x Plastic Ties

4. ASSEMBLY INSTRUCTIONS

Follow these steps for a tool-free snap-on installation. For a visual guide, please refer to the official installation video below.

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Video 1: Official MARS HYDRO installation guide for the plant stand. This video demonstrates each assembly step from unboxing to final setup.

4.1. Step 1: Assemble the Base Frame

1. Remove the pre-installed feet from the bottom poles.
2. Install the four lockable caster wheels into the bottom of the four bottom poles. Ensure they are securely tightened.
3. Attach the plastic clips to the desired height on the bottom poles where the first wire mesh shelf will rest.



Figure 2: Visual representation of the tool-free assembly process, including pole connections, caster wheel installation, and shelf clip placement.

4.2. Step 2: Install the Wire Mesh Shelves

1. Slide the first wire mesh shelf onto the plastic clips on the bottom poles. Ensure it sits firmly and level.
2. Connect the middle pole connecting poles to the top of the bottom poles.
3. Repeat the process of attaching plastic clips and sliding wire mesh shelves for the remaining tiers.
4. Finally, attach the top poles with top ends to complete the frame structure.

4.3. Step 3: Install the Grow Lights

1. Attach the metal clips to the back of each light bar.
2. Use the provided plastic ties to secure the light bars to the underside of each wire mesh shelf. Position them to provide even lighting.
3. Connect the light bars using the provided connecting cables (2x 60cm for upper/lower layers, 3x 35cm for same layer connections). Ensure all connections are secure.

4. Attach the strip light waterproof cap to any unused light bar connection points.

4.4. Step 4: Secure the Waterproof Mats

1. Place a waterproof mat on top of each wire mesh shelf.
2. Secure the mats using the Velcro fastening system, ensuring the edges are raised to collect excess moisture.

4.5. Step 5: Install the Tent Cover

1. Carefully sleeve the semi-transparent tent cover down over the top of the assembled plant stand frame.
2. Ensure the tent fits snugly around the frame and the zippers align correctly for easy access.

5. OPERATING INSTRUCTIONS

5.1. Grow Lights Operation

The plant stand is equipped with six 9W full-spectrum LED grow lights. These lights provide 180° wide-angle lighting suitable for all stages of plant growth, from seedlings to flowering. The lights are IP65 rated for water resistance.

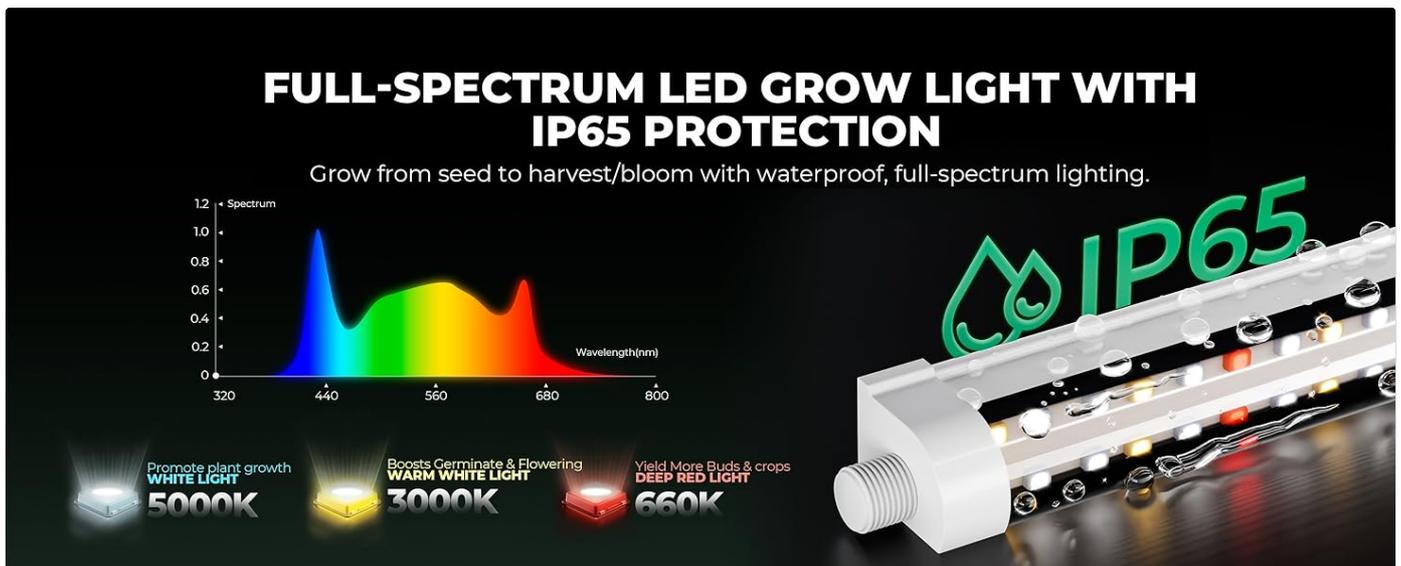


Figure 3: Illustration of the full-spectrum LED grow lights with IP65 water protection, showing different light temperatures for various growth stages.

To power the lights, connect the 150cm power cable to the first light bar in the series and then plug it into a standard electrical outlet. For smart control, consider using the iTime Digital Timer (sold separately).

5.2. Smart Control with iTime (Optional)

The MARS HYDRO plant stand can be integrated with an iTime Digital Timer (sold separately) for automated light schedules and cycles. This allows for precise control over lighting duration, optimizing plant growth without manual intervention.

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Video 2: Demonstration of the MARS HYDRO Plant Stand and Grow Light, including a brief overview of iTime smart control functionality.

5.3. Adjustable Shelf Height

The height of each shelf can be adjusted to accommodate plants of different sizes, from 30 cm to 180 cm. To adjust, simply reposition the plastic clips on the poles to your desired height and then place the wire mesh shelf on top.

PPFD OF TWO LED GROW LIGHTS

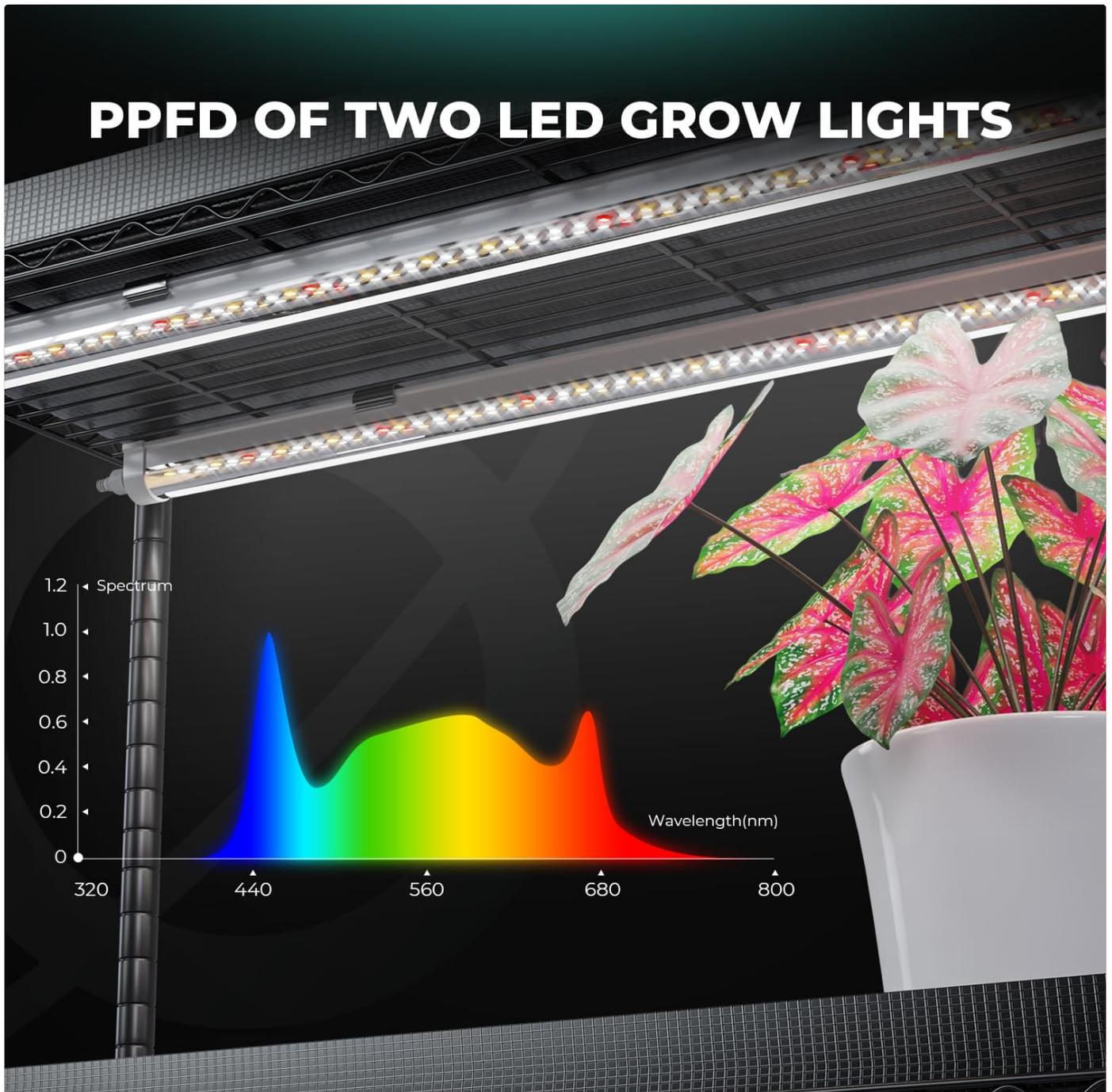


Figure 4: Close-up view of the adjustable shelf mechanism, highlighting the plastic clips that allow for flexible shelf positioning.

6. KEY FEATURES

- **Sturdy Construction:** Made of high-strength metal frame with rust-proof and scratch-resistant powder coating. Each layer supports up to 50 kg (110 lbs).
- **Dual-Effect Protective Microclimate System:** Features a 1680D Oxford fabric tent with a high-reflective silver layer lining and a transparent PVC observation window. This design is water-resistant and improves light utilization by 20%.
- **Integrated Leak-Proof Design:** Includes specially designed drainage hole waterproof pads with a Velcro fastening system. The edges are raised 2 inches to collect and drain excess moisture, keeping the planting area dry and clean.
- **Effortless Mobility:** Equipped with four lockable swivel casters at the bottom for stable and convenient movement, allowing easy repositioning and cleaning.
- **Versatile Use:** Suitable for various indoor gardening needs, including blooming flowers, seedlings, microgreens, vegetables, and seeds. Can be used with or without the tent cover.

BUILT FOR EFFORTLESS INDOOR GROWING

Tool-Free Assembly | 4-Tier Compatible | Waterproof

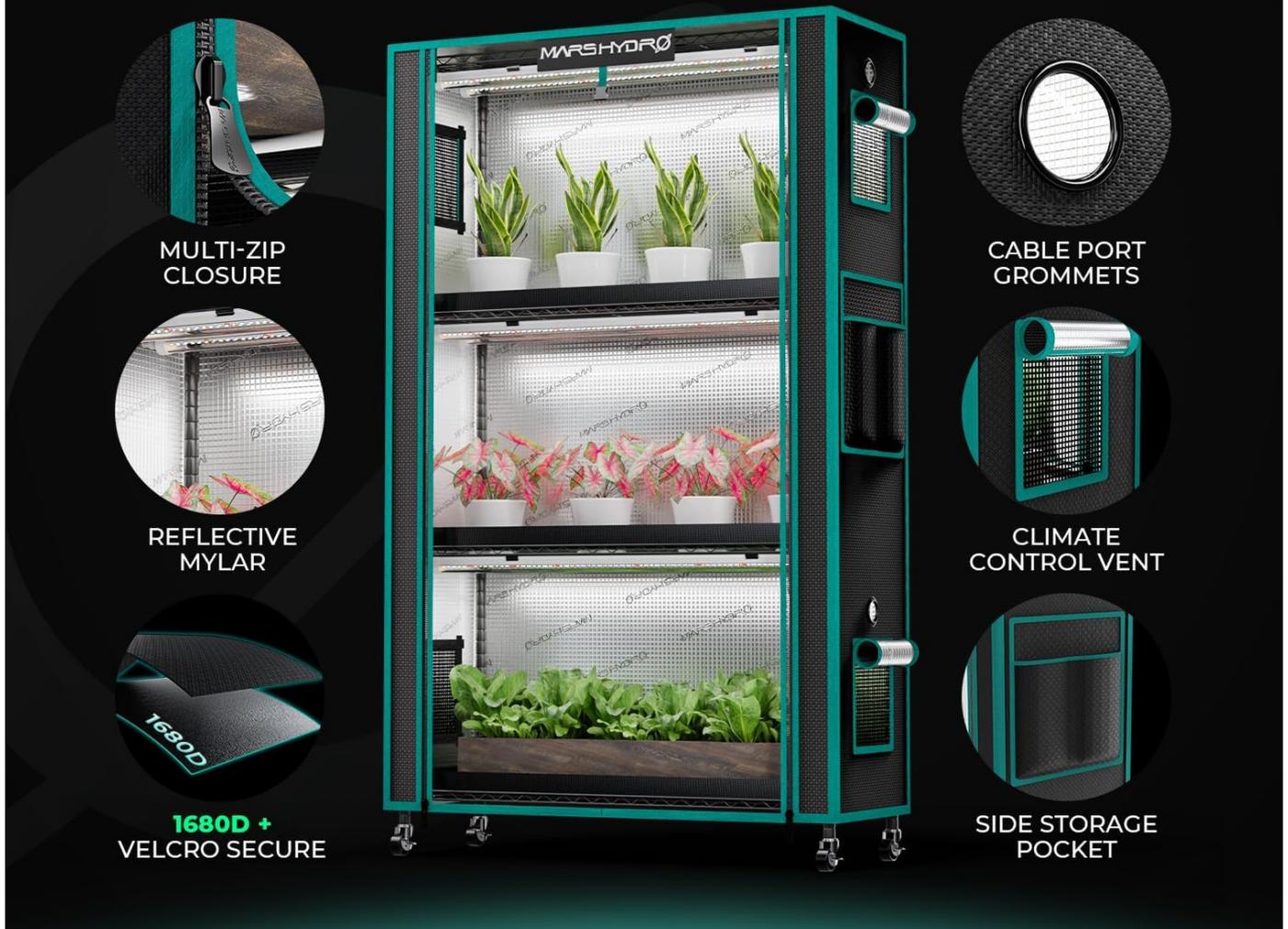


Figure 5: Detailed view of the plant stand's construction and features, such as the multi-zip closure, reflective interior, and ventilation ports.

7. MAINTENANCE

- **Cleaning the Waterproof Mats:** The perforated PVC drainage mats are easy to clean and reusable. Simply remove them, rinse with water, and allow to dry completely before placing them back.
- **Cleaning the Tent Cover:** Wipe the exterior of the tent cover with a damp cloth. For the interior reflective surface, use a soft, dry cloth to avoid scratching.
- **Frame Cleaning:** Wipe the metal frame with a damp cloth as needed. Avoid abrasive cleaners that could damage the powder coating.
- **Light Bars:** Gently wipe the light bars with a dry cloth to remove dust. Ensure the unit is unplugged before cleaning.

8. TROUBLESHOOTING

- **Lights Not Turning On:**

- Check if the power cable is securely plugged into both the light bar and the electrical outlet.
- Ensure all connecting cables between light bars are properly seated.
- Verify the electrical outlet is functional by plugging in another device.

- **Unstable Shelf:**

- Ensure all plastic clips are correctly snapped into the pole grooves at the same height.
- Verify the wire mesh shelf is fully seated on all four clips.
- Check that the poles are securely connected and not loose.

- **Water Leakage from Mat:**

- Ensure the waterproof mat is correctly positioned with its raised edges standing vertically.
- Verify the Velcro fastening system is securely attached to prevent sagging.
- Check for any tears or damage to the mat.

9. SPECIFICATIONS

Feature	Detail
Brand	MARS HYDRO
Model Number	MH-PlantStand-S
Product Dimensions	15.75"L x 11.81"W x 47.24"H (40cm L x 30cm W x 120cm H)
Item Weight	9.98 Kilograms (22 pounds)
Frame Material	Metal
Inner Material	Oxford fabric, PVC
Light Source Wattage	54 Watts (6x 9W LED Lamps)
Light Spectrum	Full Spectrum (5000K)
Shelf Load Capacity	Up to 50 kg (110 lbs) per layer
Color	Black (with green accents)

10. WARRANTY & SUPPORT

Your MARS HYDRO Plant Stand comes with a **1-year warranty** and a **30-day return policy**. If your product is damaged or you encounter any issues, please contact our customer service team. We aim to respond within 24 hours and provide assistance.

For further support, please visit the official MARS HYDRO website or contact their customer service directly.
