

MARS HYDRO GROW

MARS HYDRO 3x3 Grow Tent Kit (Model: GROW) Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the assembly, operation, and maintenance of your MARS HYDRO 3x3 Grow Tent Kit. This complete system is designed to create an optimal indoor environment for plant cultivation, featuring a high-efficiency LED grow light and a smart ventilation system. Please read this manual thoroughly before setting up and operating the kit to ensure proper function and longevity of the product.

2. PACKAGE CONTENTS

Please verify that all the following components are included in your package before proceeding with assembly. If any items are missing or damaged, please contact customer support.

- TS1000 LED Grow Light (150W)
- Grow Tent (32"x32"x63", 1680D Mylar)
- 4-inch 205 CFM Inline Fan
- Ventilation Speed Controller
- Carbon Filter
- 25ft Ducting
- 6-inch Clip Fan (10 Speed)
- Grow Room Glasses
- Elastic Trellis Netting
- Vent Covers (2 pcs)
- Stainless Clamps (3 pcs)
- Grow Bags (4 pcs)
- Timer
- Humidity Thermometer
- Pruning Shear
- Corner Shelf (2 pcs)
- Rope Hangers (2 pcs)

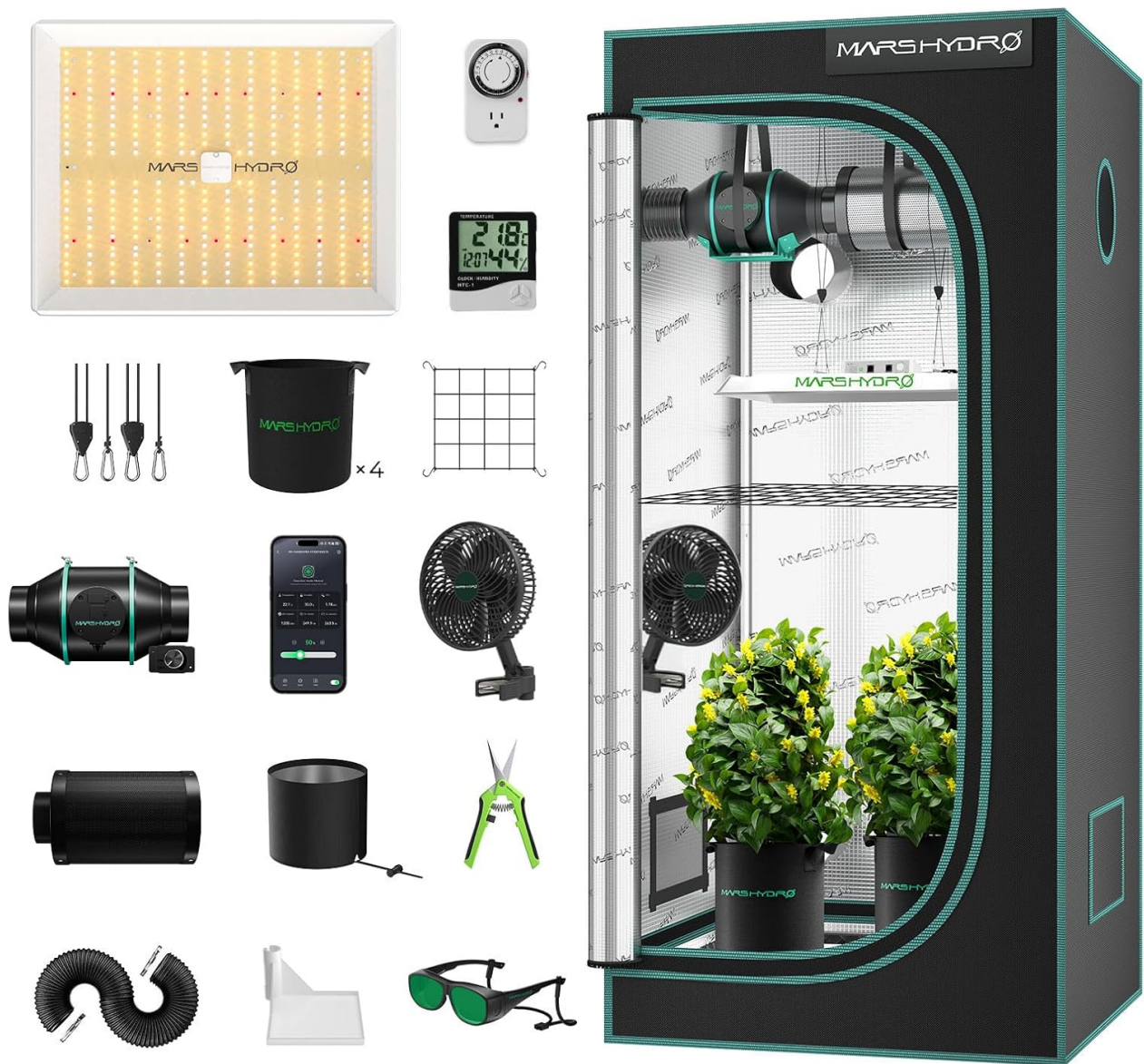


Image: Overview of all included components in the MARS HYDRO 3x3 Grow Tent Kit.

3. ASSEMBLY AND SETUP

3.1 Grow Tent Assembly

Follow these steps to assemble the grow tent structure:

1. **Step 1:** Verify all components and assemble the metal frame according to the included diagram. Ensure all poles are securely connected.
2. **Step 2:** Position the tent fabric horizontally on the floor. Carefully drape the tent fabric over the assembled metal frame.
3. **Step 3:** Stand the tent upright. Zip up the tent partially to help it take shape.
4. **Step 4:** Install the hanging bars at the top of the tent. Place the removable floor tray inside the tent at the bottom.

Experience Convenient and Hassle-Free Installation

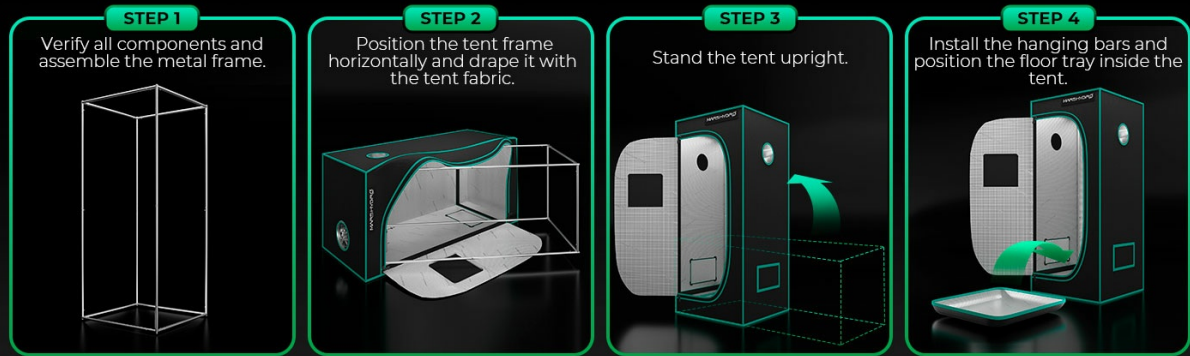


Image: Visual guide for grow tent assembly, illustrating each step from frame construction to final setup.

3.2 Grow Light Installation (TS1000)

Install the TS1000 LED grow light inside the tent:

1. Attach the rope hangers to the designated points on the grow light.
2. Hang the grow light from the tent's hanging bars using the rope hangers. Adjust the height as needed for your plants' growth stage.
3. Connect the detachable driver to the grow light and position it outside the tent or in a cooler area to reduce heat inside the grow space.

DIMMING OPERATION

Effortlessly save energy by adjusting light intensity with the dimming knob

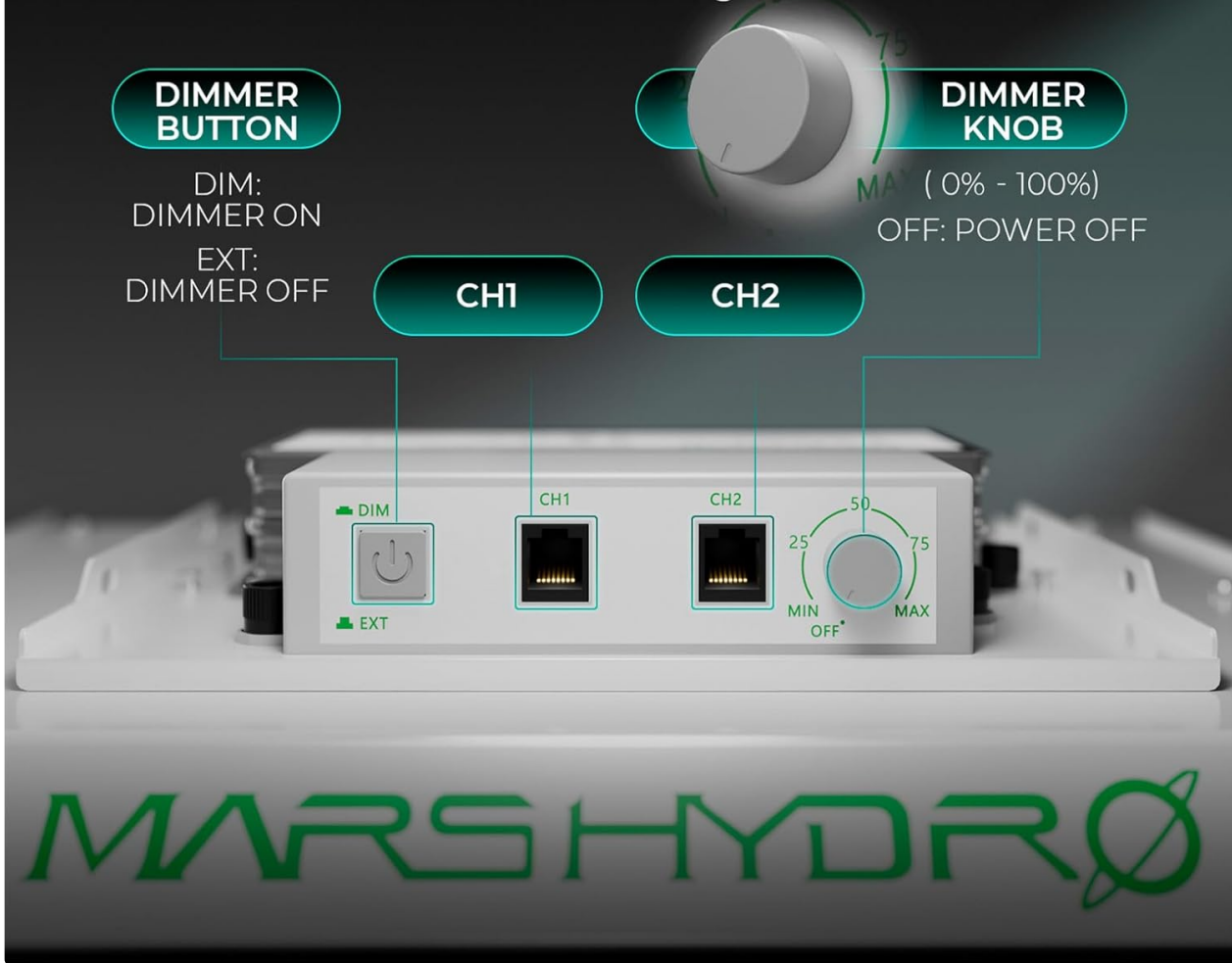


Image: The TS1000 LED grow light, showing its design and control features.

NEW POWDER COATING TECH

More powerful heat dissipation than other aluminum shell lights



Image: Illustration of the detachable driver and extended power cords, designed to dissipate heat away from the grow tent.

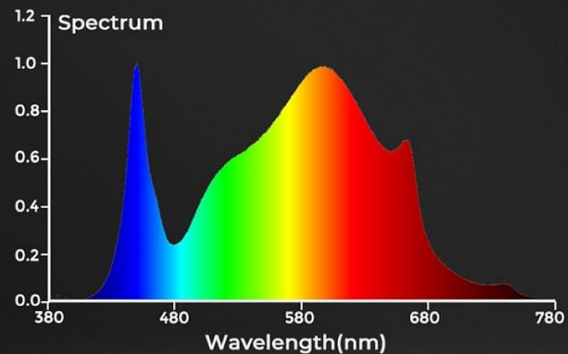
3.3 Ventilation System Setup

Assemble and install the ventilation components:

1. Connect the carbon filter to one end of the inline fan using a stainless clamp.
2. Attach the ducting to the other end of the inline fan and secure it with another stainless clamp.
3. Route the ducting through one of the tent's ventilation ports and secure it.
4. Hang the inline fan and carbon filter assembly from the tent's hanging bars.
5. Mount the 6-inch clip fan inside the tent, ensuring it provides air circulation without directly blowing on plants.

PLANT-FAVORED FULL SPECTRUM

Advanced SMD LED technology offers the highest PAR/LUMEN output while consuming only **150W** with 354 LEDs, resulting in up to **50%** energy savings, providing an additional 60% return compared to old HPS/MH lights.



3000K:

Boots Plants Flowering and Boost Yields



5000K:

Promotes Plants Germination



660nm:

Promotes Plants Flowering



760nm:

Looks Dim Promotes the Flowering and Boost Yields

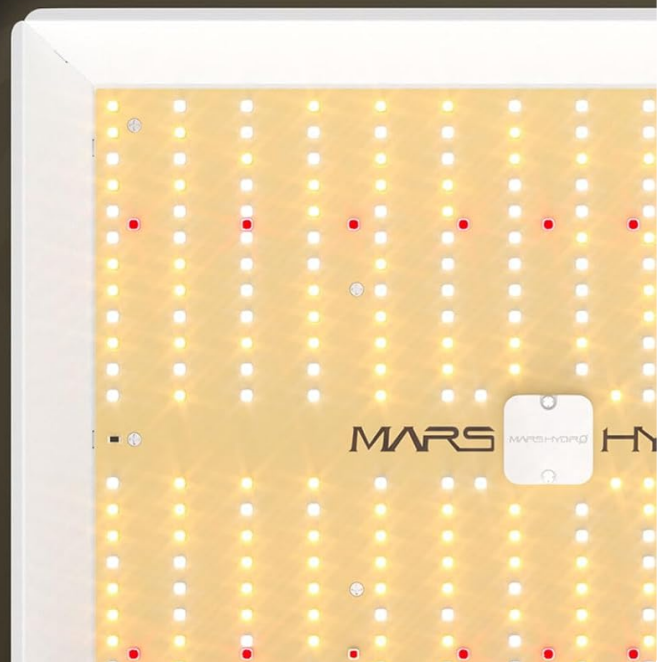


Image: The 4-inch inline fan and carbon filter assembly, ready for installation.

4 INCH POWERFUL AND EFFICIENCY INLINE FAN

Speed
3000 RPM

Airflow
205 CFM

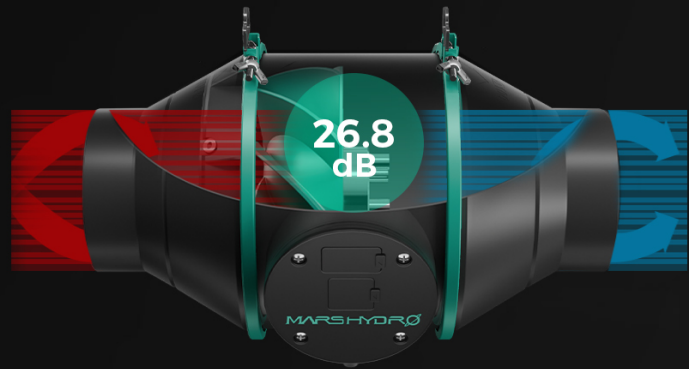
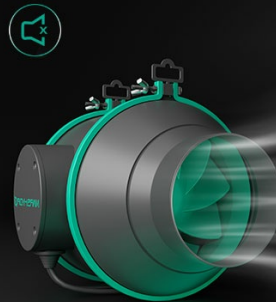


Image: Details of the 4-inch inline fan, highlighting its adjustable speed, efficient airflow, and low noise operation.

Adjustable Speed



Effective with Low Noise



Mixed-Flow Design



Image: Exploded view of the carbon filter, detailing its pre-filter, outer mesh, charcoal bed, and inner mesh for effective odor and impurity removal.

REMOTE APP CONTROL

Plug in iConnectu USB (not included), Remote control anytime, anywhere Automatic ventilation and circulation



Image: The 6-inch clip fan, designed for optimal air circulation within the grow tent.

4. OPERATING INSTRUCTIONS

4.1 Grow Light Operation

The TS1000 LED grow light provides a full spectrum suitable for all stages of plant growth. Use the dimming knob to adjust light intensity from 0% to 100%.

- **Dimmer Knob:** Rotate to adjust light brightness. Turn to 'OFF' to power off.
- **Dimmer Button:** Press to toggle the dimmer on or off.
- **Full Spectrum:** The light includes 3000K (flowering/yield), 5000K (germination), 660nm (flowering), and 760nm (flowering/yield) LEDs.

UNIFORM LIGHT COVERAGE

Evenly dense PAR values allow more light to penetrate the plants get more energy without burning your plants

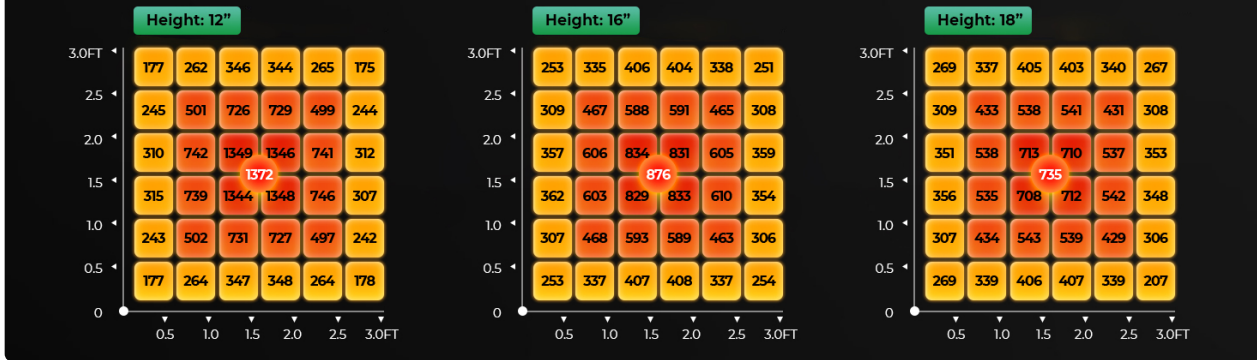


Image: Detailed view of the grow light's dimming controls, including the dimmer knob and button for intensity adjustment.

4.2 Ventilation System Operation

The inline fan and clip fan work together to maintain optimal air circulation and temperature within the tent.

- **Inline Fan:** Use the included speed controller to adjust the fan's RPM and airflow (0-100%).
- **Clip Fan:** The 6-inch clip fan features 10 adjustable speeds and 80° horizontal/100° vertical swing for targeted air movement.

4.3 Smart Control (Optional)

For enhanced control, you can integrate the ventilation system with the Mars Hydro app. This requires purchasing the Iconconnect USB and sensor separately.

- Purchase the Iconconnect USB and sensor from the Mars Hydro store.
- Connect the Iconconnect USB to the ventilation system.
- Download and install the Mars Hydro app on your smartphone.
- Pair the system via Bluetooth/WiFi through the app to monitor and set temperature and humidity, enabling automatic ventilation and circulation.

TS1000 PPFD MAP

High light effectively pierces canopy, providing sufficient light for each leaf and bud

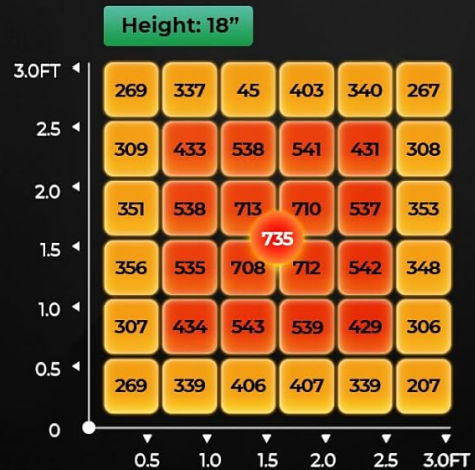
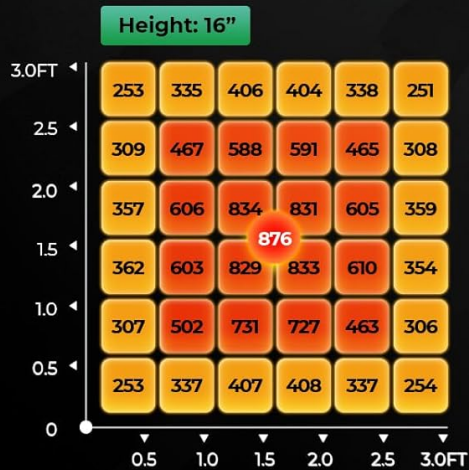
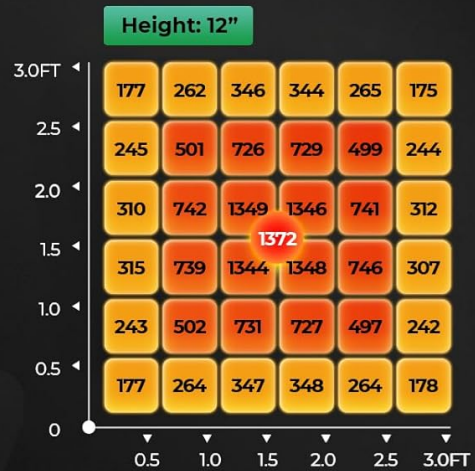


Image: The Mars Hydro app interface, demonstrating remote control capabilities for the ventilation system, including temperature, humidity, and fan speed adjustments.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your grow tent kit.

- **Grow Tent:** Periodically wipe down the interior Mylar lining with a damp cloth to maintain reflectivity. Ensure zippers are clean and operate smoothly.
- **Carbon Filter:** The carbon filter's effectiveness diminishes over time. Replace the charcoal filter as needed, typically every 6-12 months depending on usage and environment.
- **Grow Light:** Keep the LED light surface clean from dust and debris to ensure maximum light output. Do not use abrasive cleaners.
- **Fans:** Clean fan blades and grilles regularly to prevent dust buildup, which can reduce efficiency and increase noise.

6. TROUBLESHOOTING

Refer to this section for common issues and their potential solutions.

- **Light Leakage:** Ensure all zippers are fully closed and the light-blocking fabric is properly positioned. Check all ventilation ports for secure closure.
- **Fan Noise:** If the inline fan is excessively loud, check for obstructions in the ducting or fan blades. Ensure the fan is securely hung and not vibrating against the tent frame. Operating at lower speeds can also reduce noise.
- **Grow Light Not Functioning:** Verify that the power cord is securely plugged into both the light and a working power outlet. Check the dimmer button and knob settings. Ensure the detachable driver is correctly connected.
- **Inadequate Airflow:** Check if the inline fan speed is set appropriately. Ensure the carbon filter and ducting are not clogged or kinked.

7. SPECIFICATIONS

Feature	Specification
Brand	MARS HYDRO
Model Number	GROW
Product Dimensions	27"L x 27"W x 63"H (Tent size: 32"x32"x63")
Item Weight	17.16 pounds (7.8 Kilograms)
Chamber Volume	37.9 Cubic Feet
Frame Material	Metal (0.8mm thickness, 16mm diameter)
Inner Material	1680D Diamond Mylar (High Reflective)
Outer Material	Canvas
Light Source Wattage	150 Watts (TS1000 LED)
Inline Fan Airflow	205 CFM
Inline Fan Noise Level	26.8 dB
Clip Fan Airflow	315 CFM
Clip Fan Noise Level	40 dB

8. WARRANTY AND SUPPORT

MARS HYDRO offers a **5-year after-sales maintenance warranty** for the Grow Light component of this kit. For any product inquiries, technical assistance, or warranty claims, please contact MARS HYDRO customer support through their official website or the retailer where the product was purchased. Please retain your proof of purchase for warranty validation.