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› LEOTER Grow Light HY-003 Instruction Manual

LEOTER HY-003

LEOTER Grow Light Instruction Manual

Model: HY-003

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your LEOTER Grow Light. This upgraded version features 80 LED lamps, offering a full spectrum and red/blue spectrum combination to support various stages of plant growth. It includes a 3/9/12-hour timer, 10 dimmable levels, and an adjustable gooseneck design for optimal plant illumination.



Figure 1: Overview of the LEOTER Grow Light illuminating indoor plants.

2. IMPORTANT SAFETY INSTRUCTIONS

- Read all instructions before using the grow light.
- This product is designed for **indoor use only**. Do not expose to water or high humidity.
- Ensure the power source matches the specified voltage (5V).
- Do not disassemble or modify the grow light. Unauthorized modifications may cause damage or injury.
- Keep out of reach of children and pets.
- Unplug the grow light from the power source before cleaning or when not in use for extended periods.
- Avoid direct eye exposure to the LED lights.
- Ensure proper ventilation around the grow light to prevent overheating.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package:

- LEOTER 4-Head Grow Light Unit with Flexible Goosenecks
- USB Connector Cable
- AC Power Adapter (Input: 110-240V)
- Metal Clamp

3 Lighting Modes

Meet the growth needs of different plants



10 Level Brightness

Choose the best for your plants



3 Timing Settings

3H/9H/12H operation



3H



9H



12H

Figure 2: Key components of the grow light system.

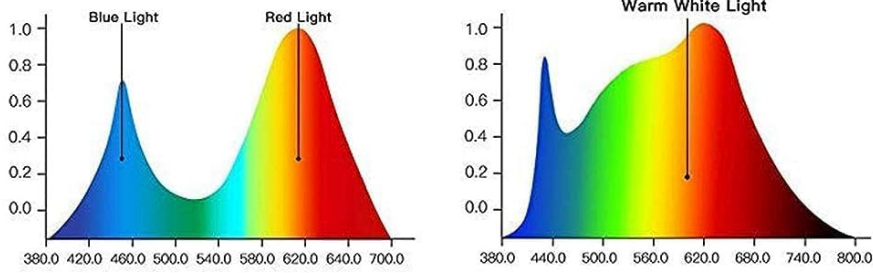
4. SETUP INSTRUCTIONS

1. **Attach the Clamp:** Securely attach the metal clamp to a stable surface such as a desk, shelf, or table edge. The clamp can open up to approximately 3 inches (7.6 cm). Ensure it is firmly attached to prevent the light from falling.



Figure 3: Attaching the clamp.

2. **Position the Goosenecks:** Adjust the four flexible goosenecks to direct the light towards your plants. The 360-degree flexible design allows for precise positioning to ensure optimal light coverage for all plants.



COLOR TEMPERATURE



Red+Blue+Warm Light: increase light intensity , enhance photosynthesis and supplement the auxiliary light needed by plants other than red and blue light. A mix of red+blue+Warm White is best to fuel the growth of your plants.



Red+Blue Light: for blooming and fruits,Blue Light is good for photosynthesis. A mix of red and blue provides the light that plants need to grow.



Warm Light(Full Spectrum): It increases light intensity and enhances photosynthesis. Suitable for all plants to root and sprout.



Figure 4: Adjusting the goosenecks.

- 3. Connect Power:** Insert the USB connector cable into the AC power adapter, then plug the adapter into a standard electrical outlet (110-240V). Alternatively, you can connect the USB cable directly to any compatible USB power source (Output: 5V/2A).

5. OPERATING INSTRUCTIONS

The LEOTER Grow Light features an inline control panel for easy operation. Refer to Figure 5 for button identification.

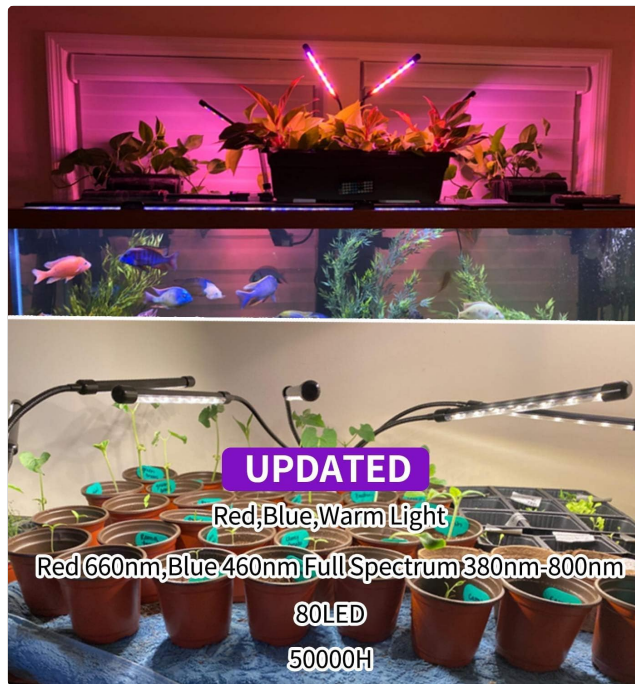


Figure 5: Control Panel Overview.

5.1 Power On/Off

- Press the **Power Button** (🔌) to turn the grow light ON or OFF.

5.2 Lighting Modes (Spectrum Selection)

The grow light offers three spectral modes to cater to different plant growth stages. Press the **Spectrum Button** (🌈) to cycle through the modes:

- **Red + Blue Spectrum:** Ideal for blooming and fruiting stages. This combination promotes flowering and fruit development.
- **Full Spectrum (Warm Light):** Suitable for all plants to root and sprout. This spectrum mimics natural sunlight and supports overall plant growth.
- **Red + Blue + Full Spectrum:** A mixed spectrum that combines red, blue, and warm white light. This is recommended for fueling the growth of your plants across all stages.

3 Timing Modes

3Hours

working time:

9 a.m.-12 a.m. on

9 a.m.-12 a.m. on next day



9Hours

working time:

9 a.m.-18 p.m. on

9 a.m.-18 p.m. on next day



12Hours

working time:

9 a.m.-21p.m. on

9 a.m.-21p.m. on next day



Dimming Button:10 Dimming Levels



Spectrum Button

Red+Blue+Warm

Red+Blue

Warm Light



3H 9H 12H



Power Button

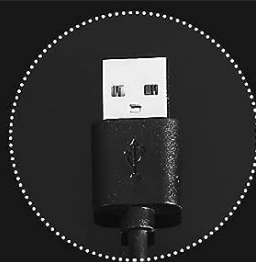
○ Turn On/Off



80LED 40W
Red:Blue:Warm 36:16:28



Plug-in Adaptor
InPut:110-240V



USB Connector
Output:5V/2A



Adjustable Clip
Clamp on anywhere stably

Figure 6: Different lighting modes for plant growth.

Good For Indoor Plants



Figure 7: Explanation of color temperature and spectrum benefits.

5.3 Dimmable Levels

The grow light offers 10 dimmable levels to adjust light intensity. Press the **Dimming Buttons** (📶) to increase (+) or decrease (-) the brightness to suit your plants' needs.

3 Timing Modes

3Hours

working time:

9 a.m.-12 a.m. on

9 a.m.-12 a.m. on next day



9Hours

working time:

9 a.m.-18 p.m. on

9 a.m.-18 p.m. on next day



12Hours

working time:

9 a.m.-21p.m. on

9 a.m.-21p.m. on next day



Dimming Button:10 Dimming Levels

Spectrun Button

Red+Blue+Warm

Red+Blue

Warm Light

Power Button

○ Turn On/Off



80LED 40W
Red:Blue:Warm 36:16:28



Plug-in Adaptor
InPut:110-240V



USB Connector
Output:5V/2A



Adjustable Clip
Clamp on anywhere stably

Figure 8: Visual representation of 10 dimmable brightness levels.

5.4 Timer Function

The grow light features a circular memory timer function that automatically turns the light ON/OFF daily. Press the **Timer Button**  to select a duration:

- **3 Hours (Blue LED):** The light will operate for 3 hours and then turn off, repeating the cycle every 24 hours from the time it was set.
- **9 Hours (Green LED):** The light will operate for 9 hours and then turn off, repeating the cycle every 24 hours from the time it was set.
- **12 Hours (Red LED):** The light will operate for 12 hours and then turn off, repeating the cycle every 24 hours from the time it was set.

Note: The timer needs to be reset if the grow light is powered off or disconnected from the power source.

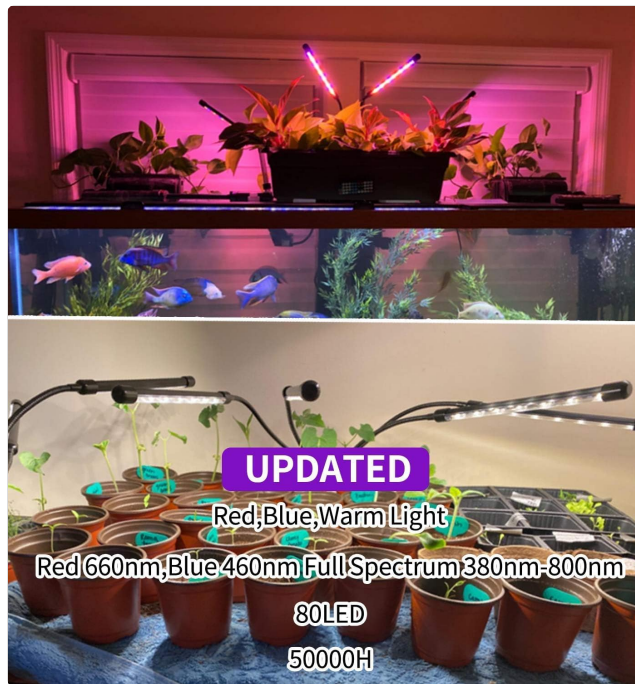


Figure 9: Timer settings and their indicators.

6. MAINTENANCE

- **Cleaning:** Ensure the grow light is unplugged before cleaning. Use a soft, dry cloth to wipe down the LED bars and goosenecks. Do not use liquid cleaners or abrasive materials.
- **Heat Dissipation:** The grow light features an aviation-grade heat sink. Ensure the heat sink is not obstructed to allow for efficient heat dissipation.
- **Storage:** If storing the grow light for an extended period, unplug it and store it in a cool, dry place away from direct sunlight and moisture.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	Not plugged in; power outlet issue; faulty connection.	Ensure the USB cable and AC adapter are securely connected and plugged into a working outlet. Try a different outlet or USB power source.
Timer function not working correctly.	Grow light was powered off or disconnected after setting the timer.	The timer has a memory function but needs to be reset if power is interrupted. Re-select your desired timer duration (3H/9H/12H).
Lights are dim or flickering.	Low power input; dimming level set too low.	Ensure the power source provides sufficient current (5V/2A). Increase the dimming level using the '+' button.

Problem	Possible Cause	Solution
Goosenecks do not hold position.	Excessive weight on the gooseneck; internal wear.	Ensure no external weight is applied to the goosenecks. If the issue persists, contact customer support.

8. PRODUCT SPECIFICATIONS

Feature	Detail
Model Name	HY-003
Brand	LEOTER
Light Source Type	LED
Number of LEDs	80 (32 Red, 12 Blue, 36 Full Spectrum)
Wattage	80 watts
Voltage	5 Volts
Power Source	AC (via adapter)
Product Dimensions	5.63"D x 3.82"W x 13.86"H
Material	Metal, Plastic
Mounting Type	Clip On
Special Features	3-way switching, 10 Dimmable Levels, 3/9/12H Timer, Adjustable Gooseneck
Indoor/Outdoor Usage	Indoor
Item Weight	1.83 pounds
UPC	305399500248

9. WARRANTY INFORMATION

The provided product information does not specify a detailed warranty description. For warranty claims or information, please retain your proof of purchase and contact the seller or manufacturer directly.

10. CUSTOMER SUPPORT

For any questions, technical assistance, or support regarding your LEOTER Grow Light, please contact the seller through the platform where you purchased the product. Please have your model number (HY-003) and purchase details ready when contacting support.

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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