

[Manuals.plus](#) /

› [Phlizon](#) /

› Phlizon Linear Series PH-1000 LED Grow Light User Manual

Phlizon PH-1000

Phlizon Linear Series PH-1000 LED Grow Light User Manual

Model: PH-1000 (Part Number: growlight-linear-150W)

INTRODUCTION

This manual provides instructions for the safe and efficient use of your Phlizon Linear Series PH-1000 SMD LED Plant Grow Light. Please read this manual thoroughly before installation and operation to ensure optimal performance and plant growth.

IMPORTANT SAFETY INSTRUCTIONS

- Always disconnect the power supply before installation, maintenance, or cleaning.
- Do not look directly at the operating LED lights without proper eye protection. The intense light can cause eye strain or damage.
- Ensure the grow light is installed in a well-ventilated area to prevent heat buildup.
- This product is designed for indoor use. Do not expose it to outdoor elements unless specifically rated for such conditions.
- Keep the light away from water sources and flammable materials. Although rated IP65 waterproof, direct submersion or high-pressure water jets should be avoided.
- Do not attempt to modify or disassemble the unit beyond the instructions provided in this manual. Unauthorized modifications may void the warranty and pose safety risks.
- Ensure the power cord is not damaged, pinched, or walked on.

PACKAGE CONTENTS

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

- Phlizon Linear Series PH-1000 LED Grow Light Unit
- Hanging Kit (ropes, carabiners)

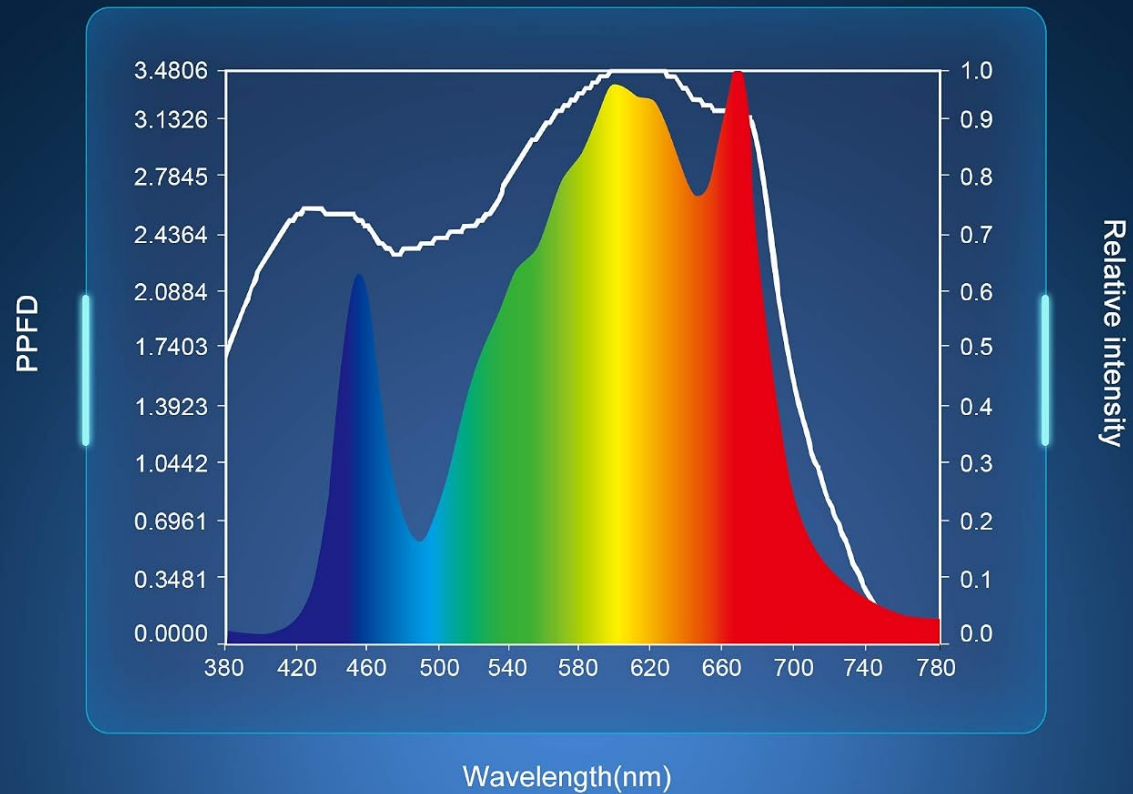
- Power Cord
- User Manual (this document)

SPECIFICATIONS

Feature	Detail
Model	PH-1000 (Part Number: growlight-linear-150W)
Light Source	SMD LED Technology
LED Configuration	324x 3000K, 144x 6000K, 72x 660nm (Total 540 LEDs)
Spectrum	Full Spectrum
Actual Power Draw	Approximately 125-150 Watts (Dimmable)
Input Voltage	100-240 Volts AC
Dimensions (L x W x H)	23.5 x 5.7 x 3.54 inches (59.7 x 14.5 x 9 cm)
Weight	7 pounds (3.2 kg)
Waterproof Rating	IP65 (Washable, dust-proof)
Lifespan	50,000 hours
Cooling	Passive (Whole aluminum radiator, no noise)

PPFD SPECTRUM

Ref.:McCREEs ACTION SPECTRUM



B

400-499nm

It is maximum peak points for vegetative growth and absorption;It features a stronginhibitory effect on stem growth,the ratio should not be too high.

G

500-599nm

Low pigment absorption rate

R

600-700nm

Promote photosynthesis, gremination,flowering, fruiting of plant;Promote the synthesisof plant carbohydrates,increasing yeilds

UV

380-399nm

promote plant cell differentiation,Affecting the phototropism of plants and inhibiting elongation of stem.

IR

701-780nm

Low pigment absorption rate,influnce plants flowering and germination

Figure 1: Product dimensions of the Phlizon PH-1000 LED Grow Light.

1000W FULL SPECTRUM GROW LIGHT



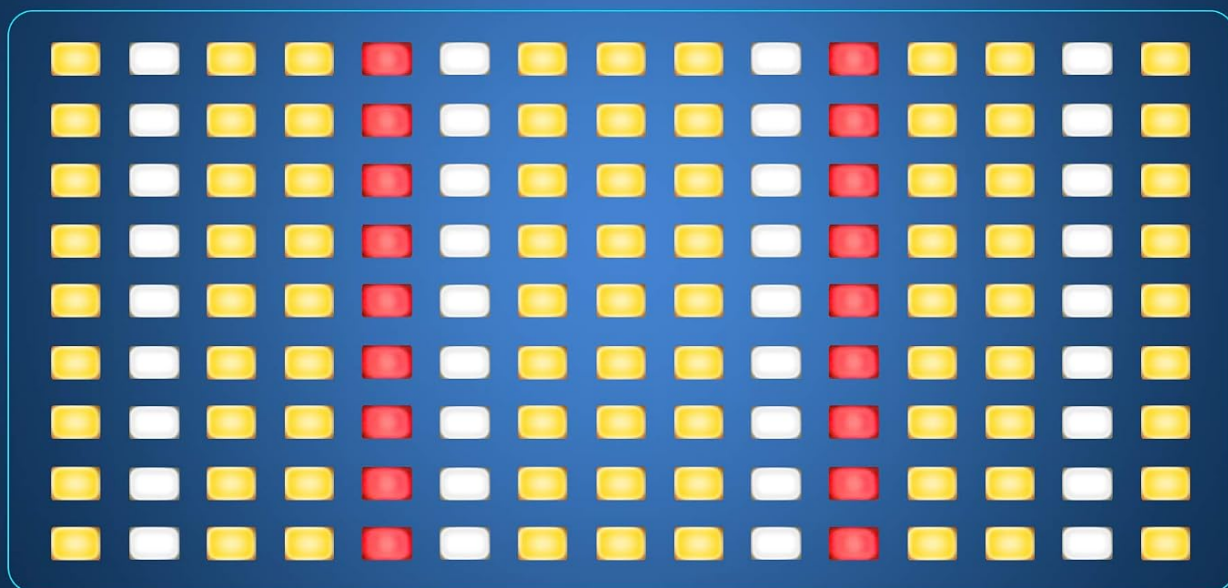
324PCS
(3000K)



144PCS
(6000K)



72PCS
(660nm)



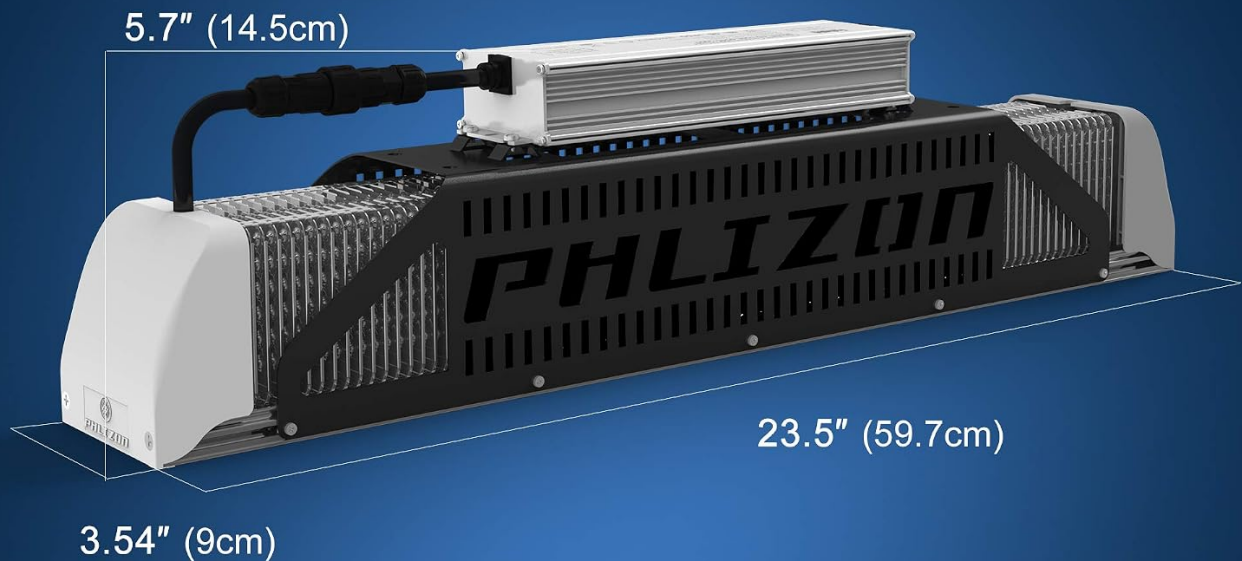
X4

Figure 2: Illustration of the SMD LED technology used in the Phlizon grow light, highlighting high light intensity, energy conversion, stable performance, and longer life.

SETUP INSTRUCTIONS

1. **Unpack the Grow Light:** Carefully remove the grow light and all accessories from the packaging. Inspect for any damage.
2. **Attach Hanging Kit:** Securely attach the provided hanging ropes and carabiners to the designated mounting points on the grow light fixture.
3. **Mount the Light:** Hang the grow light in your desired growing area using a sturdy support structure. Ensure the light is level and securely fastened.
4. **Adjust Hanging Height:** The optimal hanging height varies depending on the plant growth stage and desired light intensity. Refer to the PPFD chart below for guidance.

PRODUCT SIZE



High Efficient
SMD Chips



240W
Actual Power



100-240V
Voltage



7.05lbs(3.2kg)
Weight



50000H
Lifespan

Figure 3: PPFD (Photosynthetic Photon Flux Density) values at various hanging heights (12", 18", 24") for the PH-2000 model, providing a reference for PH-1000 placement.

- For seedlings/clones: Higher hanging height, lower dimmer setting.
- For vegetative growth: Medium hanging height, moderate dimmer setting.
- For flowering/fruiting: Lower hanging height, higher dimmer setting.

5. **Connect Power:** Plug the power cord into the grow light's power input, then plug the other end into a standard 100-240V AC electrical outlet.

OPERATING INSTRUCTIONS

1. **Power On/Off:** Once plugged in, the light can be turned on. Some models may have an integrated switch or rely on the dimmer for power control.
2. **Adjust Brightness (Dimmer):** The PH-1000 features a built-in dimmer knob. Rotate the knob to adjust the light intensity from 0% to 100%. Start with a lower intensity for young plants and gradually increase as plants mature.
3. **Light Cycle:** Establish an appropriate light cycle (e.g., 18 hours on / 6 hours off for vegetative growth, 12 hours on / 12 hours off for flowering) using an external timer (not included). The light does not completely shut off via the

dimmer, so a timer is recommended for precise light cycles.

4. **Full Spectrum Output:** The PH-1000 provides a full spectrum light, including blue (400-499nm), green (500-599nm), red (600-700nm), UV (380-399nm), and IR (701-780nm) wavelengths, optimized for all stages of plant growth.



Figure 4: PPFD Spectrum illustrating the light wavelengths emitted by the Phlizon grow light and their effects on plant growth.

MAINTENANCE

- **Cleaning:** Periodically clean the surface of the grow light with a soft, dry cloth to remove dust and debris. Ensure the light is unplugged before cleaning. Do not use harsh chemicals or abrasive cleaners.
- **Cooling System:** The PH-1000 utilizes an all-aluminum radiator for passive cooling, eliminating the need for noisy fans. Ensure the cooling fins are not obstructed to maintain efficient heat dissipation.

WATERPROOF



IP65 Waterproof Rating :

Washable no harm, completely prevent dust

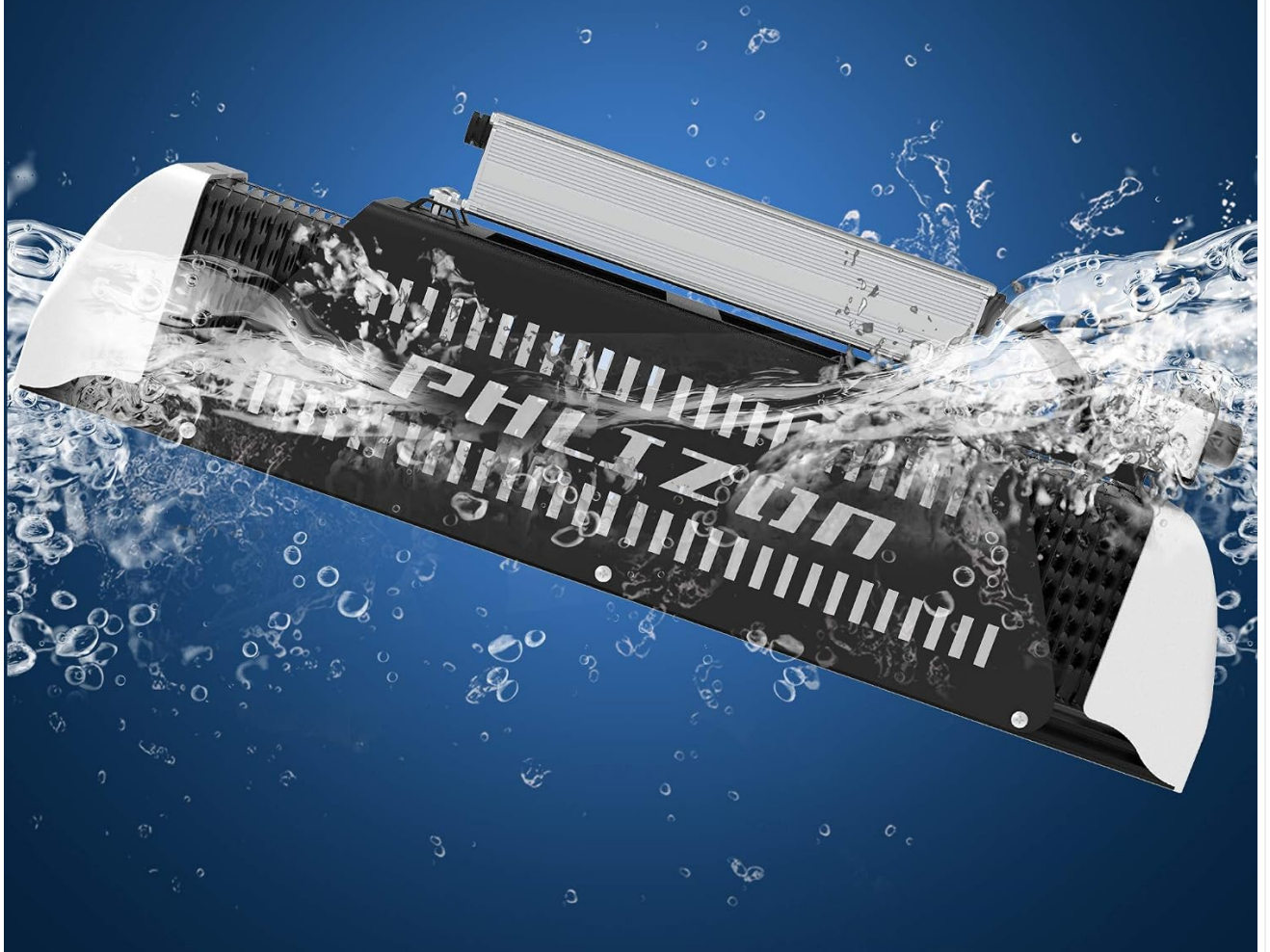
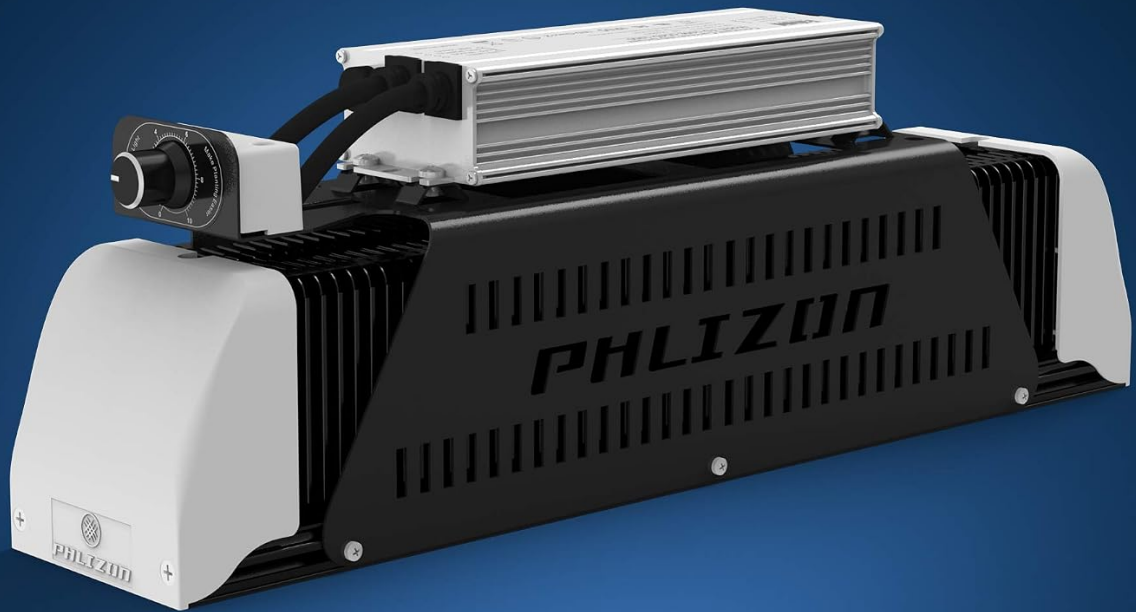


Figure 5: Comparison of cooling designs, highlighting the PH-1000's upgraded all-aluminum radiator for silent and efficient heat management.

- **Water Resistance:** The light has an IP65 waterproof rating, meaning it is protected against dust ingress and low-pressure water jets from any direction. This allows for safe operation in humid environments and easy cleaning.

EASY TO REPLACE POWER SUPPLY



1. Unscrew 4pcs screws



2. Remove the power supply



3. Install a new power supply

Figure 6: Illustration of the IP65 waterproof rating, demonstrating protection against water splashes.

- **Power Supply Replacement:** In the event of a power supply malfunction, the modular design allows for easy replacement.

SMD LED TECHNOLOGY



SMD LEDs:

- High Light Intensity
- High Energy Conversion
- Stable Performance
- Longer Life

Figure 7: Step-by-step guide for replacing the power supply unit: 1. Unscrew 4pcs screws, 2. Remove the power supply, 3. Install a new power supply.

Procedure:

- Disconnect the light from the power source.
- Unscrew the four retaining screws on the power supply unit.
- Carefully remove the old power supply.
- Install the new power supply, ensuring all connections are secure, and fasten the screws.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, dimmer set to 0%, faulty power supply.	Check power outlet, ensure power cord is securely plugged in, rotate dimmer knob, inspect power supply connections or replace if faulty.

Problem	Possible Cause	Solution
Light intensity is too low.	Dimmer setting is too low, incorrect hanging height.	Increase dimmer setting, lower the hanging height according to plant needs (refer to PPFD chart).
Light flickers or behaves erratically.	Unstable power supply, loose internal wiring, faulty dimmer.	Ensure stable power source, check power cord connections, contact customer support if problem persists.
Excessive heat from the fixture.	Poor ventilation, obstructed cooling fins.	Ensure adequate airflow around the fixture, clear any obstructions from the cooling fins.

WARRANTY AND CUSTOMER SUPPORT

Phlizon products are manufactured to high-quality standards. While specific warranty details are not provided in this document, Phlizon is committed to customer satisfaction and offers an after-sales service center. For any questions, technical assistance, or warranty claims, please contact Phlizon customer support. Our team aims to respond to inquiries within 24 hours.

Contact Information:

- Refer to your purchase documentation or the official Phlizon website for the most current contact details.
- Online Support: [Phlizon Store on Amazon](#) (for product-related inquiries)

