

Idealife IL-PGL-160P1

Idealife LED Plant Grow Light Instruction Manual

Model: IL-PGL-160P1

1. INTRODUCTION

Thank you for choosing the Idealife LED Plant Grow Light. This full-spectrum grow light is designed to provide optimal lighting conditions for various indoor plants, promoting healthy growth at all stages. Its adjustable features and intelligent timer functions make it a versatile and convenient solution for your indoor gardening needs.

Please read this manual thoroughly before use to ensure proper operation and maintenance.

2. SAFETY INFORMATION

- Ensure the power supply matches the specified voltage (5V).
- Do not expose the light to water or high humidity environments.
- Keep out of reach of children and pets.
- Do not disassemble or modify the product.
- Unplug the light from the power source before cleaning or maintenance.
- Avoid direct eye exposure to the LED light.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x LED Grow Light (Ring light with integrated cable and controller)
- 1 x Telescopic Rod
- 1 x USB Adapter
- 1 x User Manual

Packing List

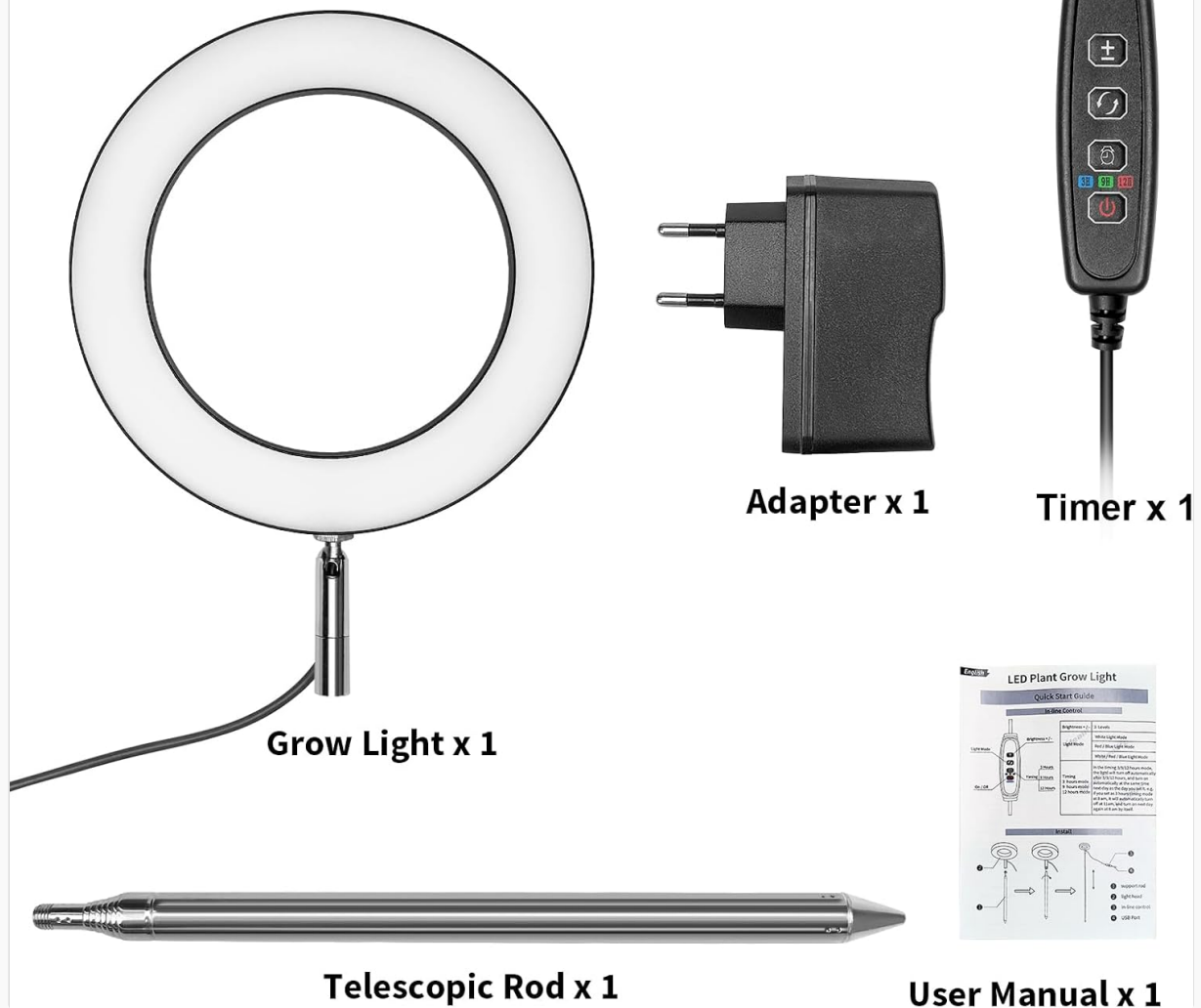


Figure 3.1: Package Contents

The image above displays the components included in your Idealife LED Plant Grow Light package. Ensure all parts are present and undamaged before proceeding with installation.

4. SETUP INSTRUCTIONS

Follow these steps to set up your Idealife LED Plant Grow Light:

1. **Assemble the Light:** Insert the telescopic rod into the base of the ring light. Ensure it is securely fastened.
2. **Position the Light:** Gently insert the pointed end of the telescopic rod into the soil of your potted plant. Adjust the height of the telescopic rod (from 30cm to 147cm) to suit the plant's growth stage and size. The light panel can also be adjusted for flatness if needed.
3. **Connect Power:** Connect the USB cable from the light to the provided USB adapter. Plug the adapter into a standard electrical outlet.

Height Adjustable



Figure 4.1: Installation Steps

This image illustrates the simple installation process, from attaching the telescopic rod to the light head, inserting it into the plant pot, adjusting its height and angle, and finally connecting it to power.

Height Adjustable **30-147cm**

Adjust the height according to the plants' growth need



Figure 4.2: Height Adjustment in Use

The image above shows the grow light installed with plants, highlighting its height adjustability to accommodate different plant sizes and growth stages.

Idealife



Hidden power cord. Avoids damage to the cord

vs

Others



Easy to be pulled and unstable.
Obvious hole.



Lamp head can be rotated 180°

vs



Can only be rotated 90°
Easy to damage the power cord.

Figure 4.3: Design Features

This image highlights key design features, including the hidden power cord to prevent damage and the 180-degree rotatable lamp head for optimal light direction.

5. OPERATING INSTRUCTIONS

Your Idealife LED Plant Grow Light features a multi-function controller for easy operation.

Easy to Operate

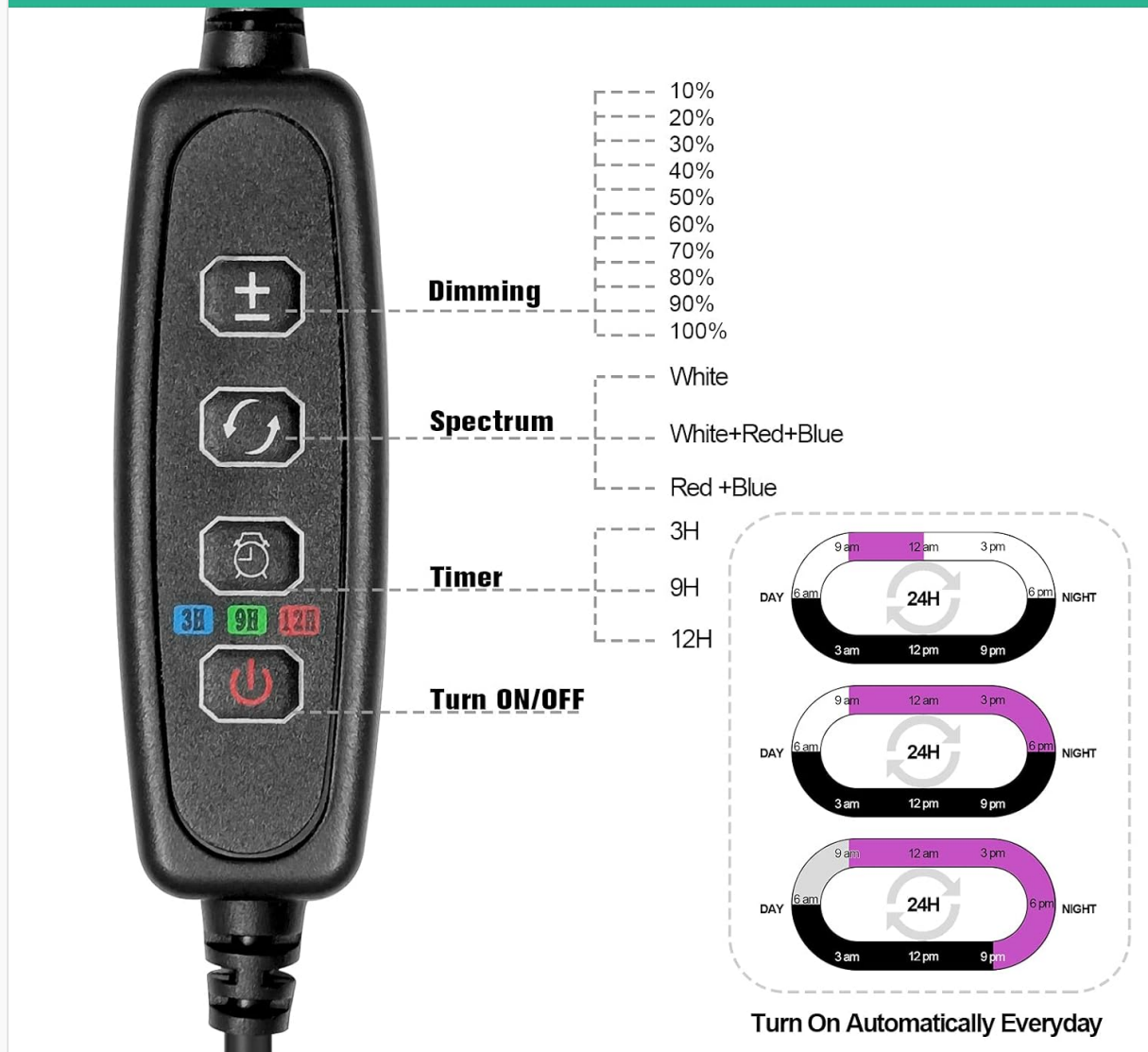


Figure 5.1: Controller Overview

The image above details the functions of the inline controller, including dimming, spectrum selection, timer settings, and power on/off.

5.1 Power On/Off

- Press the **Power Button** () to turn the light on or off.

5.2 Spectrum Selection

The light offers three spectrum modes to cater to different plant needs:

- Press the **Spectrum Button** () to cycle through the modes:
 - **White Light (5000K):** Accelerates plant growth.
 - **Red + Blue Light (620-660nm Red, 420-460nm Blue):** Yields more leaves and crops, promotes germination.
 - **White + Red + Blue (Full Spectrum):** Ideal for all growth stages.

Full Spectrum

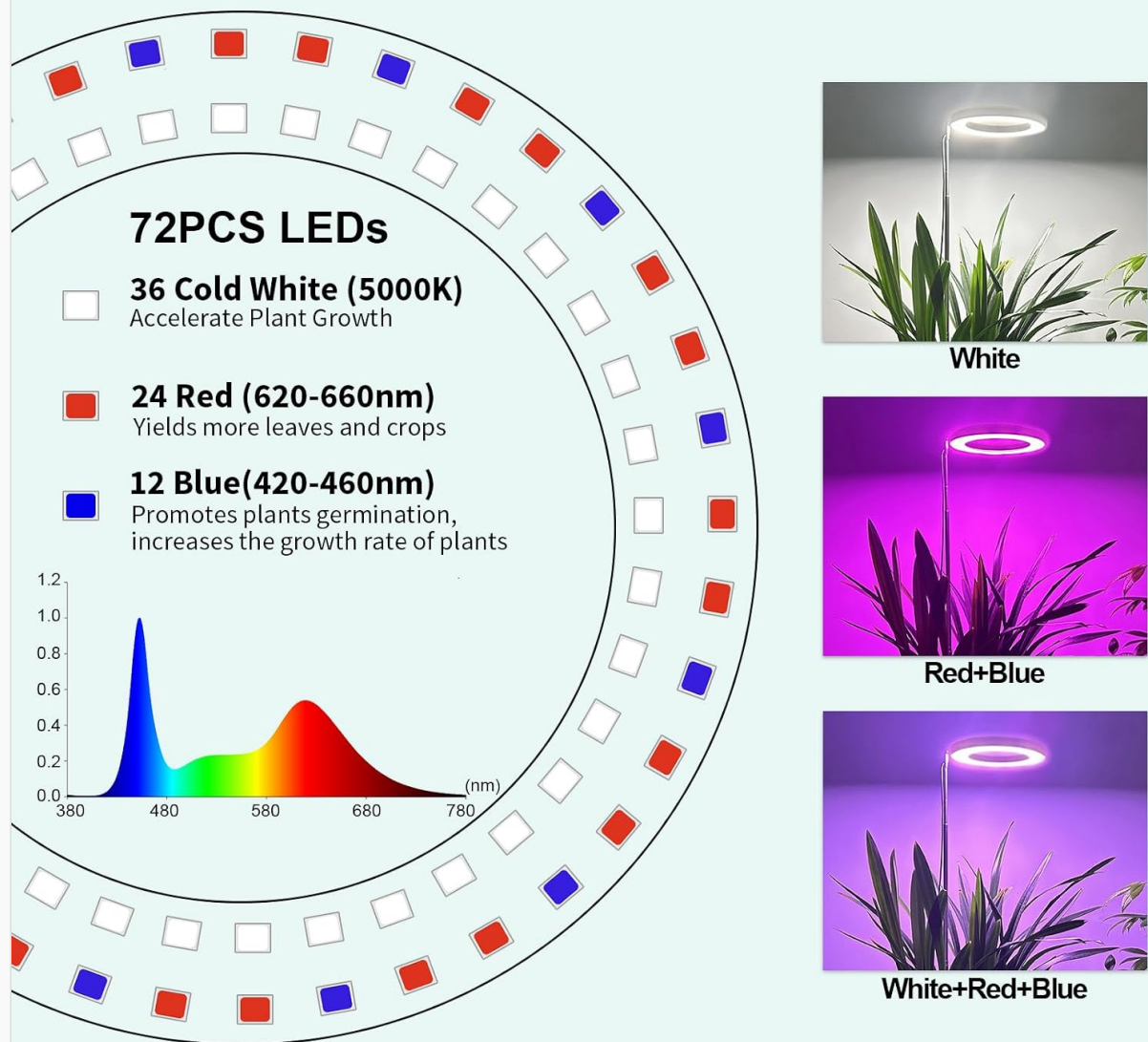


Figure 5.2: Full Spectrum LED Configuration

This diagram illustrates the 72 LED full spectrum configuration, showing the distribution of white, red, and blue lights and their respective wavelengths for optimal plant development.

5.3 Dimming Levels

Adjust the light intensity with 10 dimmable settings (10%-100%):

- Press the **Plus Button (+)** to increase brightness.
- Press the **Minus Button (-)** to decrease brightness.



Figure 5.3: Brightness Adjustment

This image demonstrates the range of brightness adjustment from 10% to 100%, allowing you to customize light intensity for your plants.

5.4 Timer Function

The grow light features an automatic timer that turns on and off at the same time every day:

- Press the **Timer Button** () to select a duration: 3 hours, 9 hours, or 12 hours.
- Once set, the light will automatically turn off after the selected duration and turn back on at the same time the next day.



Figure 5.4: Timer Functionality

This graphic explains the 3, 9, and 12-hour timer settings, demonstrating how the light automatically cycles daily, ensuring consistent light exposure for your plants.

Your browser does not support the video tag.

Video 5.1: Product Features and Operation

This video demonstrates the key features and operational aspects of the Idealife LED Plant Grow Light, including assembly, light spectrum changes, dimming, and timer settings.

6. MAINTENANCE

To ensure the longevity and optimal performance of your grow light:

- **Cleaning:** Regularly wipe the light panel and telescopic rod with a soft, dry cloth to remove dust and debris. Ensure the light is unplugged before cleaning.
- **Storage:** When not in use for extended periods, clean the light, retract the telescopic rod, and store it in a cool, dry place.



Figure 6.1: Cleaning and Storage

This image provides visual guidance on how to properly clean the telescopic rod and how to disassemble and store the grow light for future use.

7. TROUBLESHOOTING

If you encounter any issues with your Idealife LED Plant Grow Light, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|-----------------------------|--|---|
| Light does not turn on. | No power supply; loose connection; faulty adapter. | Check if the adapter is securely plugged into the outlet and the USB cable is connected to the light. Try a different outlet or USB port. |
| Light flickers or is dim. | Insufficient power; dimming level too low. | Ensure the power source provides adequate voltage (5V). Increase the brightness using the '+' button on the controller. |
| Timer function not working. | Timer not set correctly. | Press the timer button to select the desired duration (3H, 9H, or 12H). Ensure the light is powered on when setting the timer. |

| Problem | Possible Cause | Solution |
|-----------------------------|---|---|
| Telescopic rod is unstable. | Not inserted deep enough; loose connection. | Push the rod deeper into the soil. Ensure the connection between the light and the rod is secure. |

If the problem persists after trying these solutions, please contact Idealife customer support for assistance.

8. SPECIFICATIONS

| Feature | Detail |
|--------------------|---|
| Brand | Idealife |
| Model Number | IL-PGL-160P1 |
| Light Source Type | LED (72 LEDs) |
| Spectrum | Full Spectrum (420nm-660nm, 5000K White, 620-660nm Red, 420-460nm Blue) |
| Dimmable Levels | 10 (10%-100%) |
| Timer Function | 3H / 9H / 12H (Auto On/Off) |
| Height Adjustable | 30cm - 147cm (11.8in - 57.9in) |
| Power Source | Corded Electric |
| Voltage | 5 Volts |
| Material | Aluminum |
| Color | Black |
| Product Dimensions | 1.5"L x 6.1"W x 3.9"H (Light head diameter: 15.7cm) |
| Item Weight | 13 ounces (368 Grams) |

9. WARRANTY AND SUPPORT

Idealife products are designed for quality and reliability. For any questions, concerns, or warranty claims, please contact Idealife customer support through the platform where you purchased the product or visit the official Idealife store page.

Please retain your proof of purchase for warranty purposes.