

Diivoo DI-GL02M1-ALGN-A10B

Diivoo LED Full Spectrum Grow Light User Manual

Model: DI-GL02M1-ALGN-A10B

1. INTRODUCTION

Thank you for choosing the Diivoo LED Full Spectrum Grow Light. This product is designed to provide optimal lighting conditions for your indoor plants, promoting healthy growth and vitality. It features a full spectrum light, adjustable height, multiple dimming levels, and an automatic timer function for convenience. Please read this manual carefully before use to ensure proper operation and longevity of your device.

2. PRODUCT OVERVIEW

Key Features:

- **Full Spectrum Light:** Emits an optimized red, blue, and green light ratio (350-780 nm wavelength) to accelerate photosynthesis and nutrient synthesis.
- **Two Lighting Modes:** Growth Mode for foliage plants and Sunlight Mode for flowering/fruited plants.
- **Height Adjustable:** Telescopic rod allows adjustment from 9.8 inches to 30.6 inches (25 cm to 78 cm) to suit plant growth stages.
- **10 Dimmable Brightness Levels:** Adjust light intensity from 10% to 100%.
- **Automatic Timer:** Built-in timer with 4, 8, 12, or 18-hour settings for automatic on/off cycles.

Components:

- LED Grow Light Head
- Telescopic Rod
- USB Power Cable with In-line Controller
- Ground Spike (for easy insertion into soil)



Image: Key components of the Diivoo LED Grow Light, including the USB connector, telescopic rod, and the ground spike for stable placement.

3. SETUP INSTRUCTIONS

1. **Assemble the Light:** Gently attach the LED light head to the top of the telescopic rod.
2. **Insert into Pot:** Carefully insert the ground spike end of the telescopic rod into the soil of your plant pot. Ensure it is stable and upright.
3. **Adjust Height:** Extend or retract the telescopic rod to adjust the height of the light according to your plant's growth needs. The light should be positioned appropriately above the plant canopy.

Höhenverstellbar

Passen Sie die Höhe an die Wachstumsbedürfnisse der Pflanze an



Image: The height-adjustable feature of the grow light, demonstrating its range from 9.8 inches to 30.6 inches to accommodate various plant sizes.

4. **Connect Power:** Plug the USB connector into a compatible USB power adapter (not included) and then into a power outlet.

4. OPERATING INSTRUCTIONS

The grow light is controlled via an in-line controller on the USB cable.

Einfache Steuerung mehrerer Funktionen



Image: The in-line controller, showing buttons for brightness adjustment (10%-100%), mode switching (Sunlight/Growth), timer settings (4H, 8H, 12H, 18H), and the power on/off button.

Controller Functions:

- **Power Button (⏻):** Press to turn the light ON or OFF.
- **Brightness Adjustment (+ / -):** Use these buttons to cycle through 10 brightness levels, from 10% to 100%.
- **Mode Switch (↻):** Press to switch between Sunlight Mode and Growth Mode.
- **Timer Button (🕒):** Press to set the automatic timer for 4, 8, 12, or 18 hours. The light will automatically turn off after the set duration and turn on again at the same time the next day.

Lighting Modes Explained:

Growth Mode

Growth-Modus

Verbessert die Photosynthese für das Gedeihen Ihrer Zimmerpflanzen.



Image: The grow light operating in Growth Mode, illustrating its full spectrum output (350-780nm) with a focus on red, blue, and green light to enhance photosynthesis and nutrient synthesis for plant development.

This mode provides an optimized spectrum to enhance photosynthesis, ideal for the vegetative growth of foliage plants.

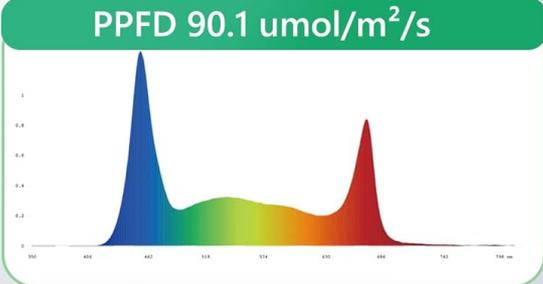
Sunlight Mode



Sonnenlicht-Modus ☀️

Mit einem CRI von 90 und einer Farbtemperatur von 6000K bringen unsere Leuchten die Farben der Pflanzen authentisch zur Geltung und unterstreichen ihre natürliche Schönheit.

PPFD 90.1 $\mu\text{mol}/\text{m}^2/\text{s}$



Wavelength (nm)	Relative Intensity
450	1.0
470	0.8
500	0.4
550	0.3
600	0.2
660	0.6
680	0.4
700	0.1

Vor




Nachher




Image: The grow light operating in Sunlight Mode, featuring a 6000K color temperature and a Color Rendering Index (CRI) of 90, designed to bring out the natural colors of plants and support their overall beauty. With a CRI of 90 and a color temperature of 6000K, this mode brings out the natural colors of plants, suitable for ornamental plants and general illumination.

10 Dimmstufe



4 automatische Timer-Einstellungen



Image: Illustration of the 10 dimming levels (from 10% to 100%) and the four automatic timer settings (4H, 8H, 12H, 18H) for customized light cycles.

5. MAINTENANCE

- **Cleaning:** Ensure the light is unplugged before cleaning. Wipe the LED light head and rod with a soft, dry cloth. Do not use abrasive cleaners or immerse any part of the device in water.
- **Storage:** When not in use for extended periods, unplug the light and store it in a cool, dry place.
- **Inspection:** Periodically check the power cable and connections for any signs of damage. If damage is found, discontinue use and contact support.

6. TROUBLESHOOTING

- **Light does not turn on:**
 - Ensure the USB cable is securely connected to a power adapter and the adapter is plugged into a working power outlet.
 - Press the power button on the in-line controller.
 - Try a different USB power adapter or outlet.

- **Timer function not working:**

- Ensure the light is on before setting the timer.
- Press the timer button repeatedly until the desired duration (4H, 8H, 12H, or 18H) is selected. The light should flash briefly to confirm the setting.

- **Brightness adjustment not responding:**

- Ensure the light is powered on.
- Press the '+' or '-' buttons on the controller.

7. SPECIFICATIONS

Model Number	DI-GL02M1-ALGN-A10B
Brand	Diivoo
Dimensions (L x W x H)	18 x 11 x 3.8 cm (7.1 x 4.3 x 1.5 inches)
Weight	190 grams (0.42 lbs)
Light Source Type	LED
Power Source	Electric Cable (USB powered)
Color Rendering Index (CRI)	90
Number of Light Sources	1
Batteries Included	No

8. WARRANTY AND SUPPORT

Diivoo products are manufactured with quality and care. For any questions, technical support, or warranty claims, please contact Diivoo customer service. Please refer to your purchase documentation for specific warranty terms and conditions.

You can visit the official Diivoo store for more information:[Diivoo Store](#)