

## FECiDA GL-CR1200

# FECiDA Dimmable LED Grow Light GL-CR1200 Instruction Manual

Model: GL-CR1200

## 1. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before operating the FECiDA Dimmable LED Grow Light. Retain this manual for future reference.

- **Eye Protection:** The light emitted is very intense. Avoid direct eye exposure. Wear appropriate eye protection when the light is operating at high intensity.
- **Ventilation:** Ensure adequate ventilation around the grow light to prevent overheating. The built-in fan assists with heat dissipation.
- **Water and Moisture:** This product has an IP44 waterproof rating, meaning it is protected against solid objects over 1mm and splashing water. However, do not immerse the unit in water or expose it to direct water spray. Keep away from high humidity environments.
- **Electrical Safety:** Only use the provided power cable. Ensure the power source matches the specified voltage (AC100V-240V). Do not operate with damaged cords or plugs.
- **Installation:** Ensure the light is securely mounted using the provided hanging kits. Do not hang the light from unstable structures.
- **Children and Pets:** Keep the grow light out of reach of children and pets.

## 2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x FECiDA LED Grow Light (Model GL-CR1200)
- 1 x Power Cable (1.5m/59in)

- 1 x Hanging Kits
- 1 x Rope Hanger (Max Length: 2m/79in)
- 1 x User Manual

### Package Contents:

- 1 x LED Grow Light CR1200
- 1 x Power Cable
- 1 x Hanging Kits
- 1 x Rope Hanger
- 1 x User manual

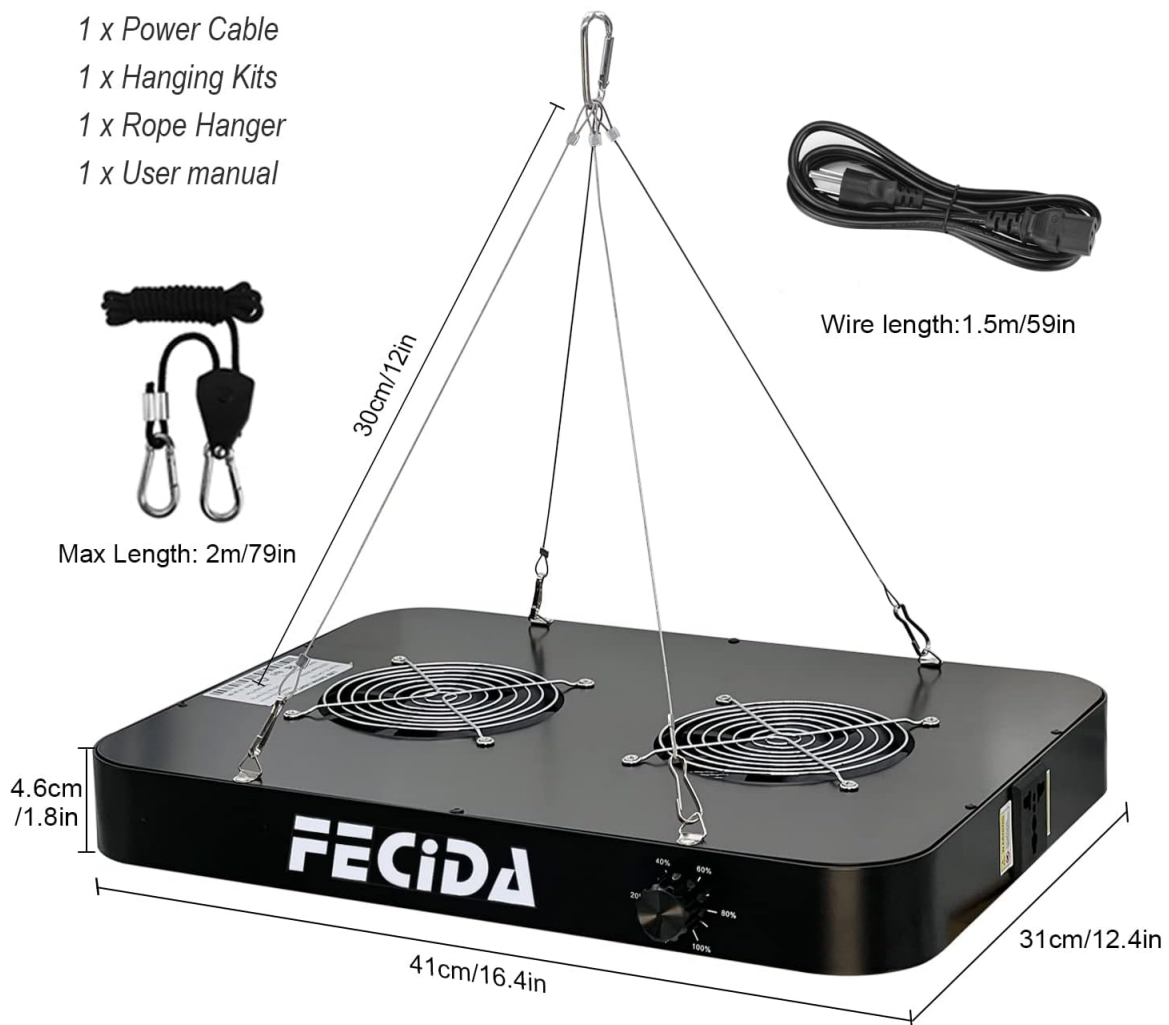
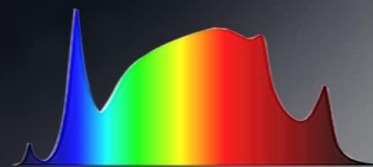


Image: Contents of the FECiDA LED Grow Light package, including the light unit, power cable, hanging kits, rope hanger, and user manual.

### 3. PRODUCT FEATURES

- **High Output:** 260 Watt rated power, delivering 24000 lumens for robust plant growth.
- **Stepless Dimming Function:** Adjust brightness and output from 0-100% to suit different plant growth stages.
- **Full Spectrum with UV-IR:** Includes UV (395nm), Warm White (3000K), Blue (5000K), Red (660nm), and IR (730nm) LEDs for comprehensive plant development. UV light can sterilize and disinfect, while IR speeds up phytochrome conversion for greater yield.
- **Daisy Chain Function:** Connect multiple grow lights using the provided power cable as a daisy chain cable. Max 2 units for 110VAC input, max 4 units for 220VAC input.
- **Efficient Cooling System:** Features a quiet built-in fan and an updated aluminum light housing for excellent heat dissipation and a lightweight body.

## UV IR Included, Ideal Full Spectrum



### UV LEDs

UV leds almost can't be seen by human eyes when you set brightness of the light under 40%. It is normal.

### IR LEDs

IR LEDs are much dimmer than RED LEDs. It is normal.

### UV Light(395nm)



UV light can sterilize and disinfect, and proper amount of UV light can make plants healthier.

### IR Light(730nm):



Speeds up the Phytochrome conversion, allowing plants to produce a greater yield, IR is dimmer than other red lights.



### Warm White Light(3000K):

Boosts plants bloom, making flowers bigger and vivid.



### Blue Light(5000K):

Promotes plants germination, increasing the growth rate of plants.



### RED Light(660nm):

Yields more leaves and crops when combined with blue light.

Image: Diagram illustrating the full spectrum LEDs, including UV and IR, and their specific wavelengths and benefits for plant growth.

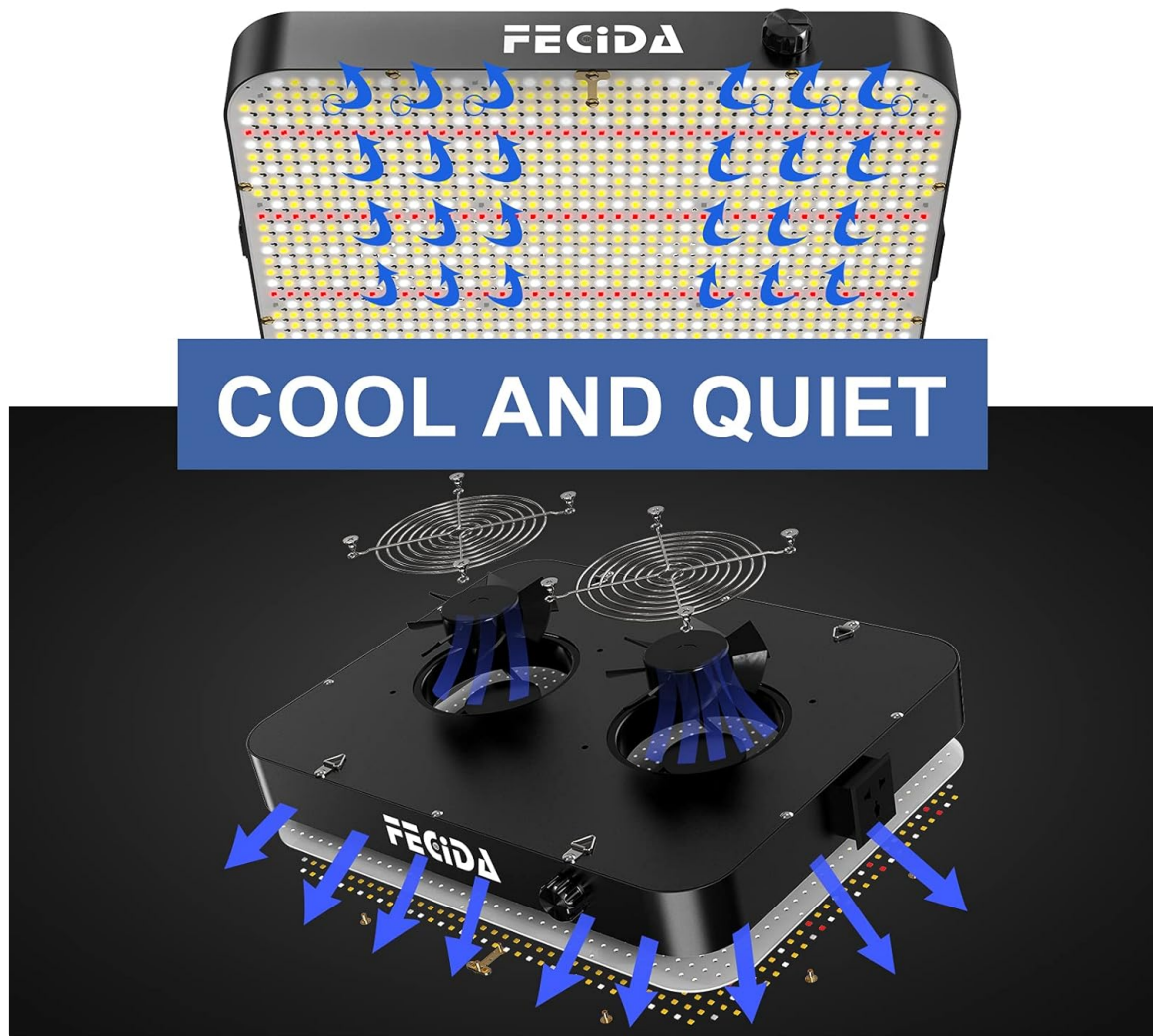


Image: Illustration of the grow light's cooling system with two fans and airflow indicators, highlighting its cool and quiet operation.

#### 4. SETUP

1. **Unpack:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Attach Hanging Kits:** Securely attach the hanging kits to the designated points on the top of the grow light.
3. **Mounting:** Use the rope hanger to suspend the grow light from a sturdy ceiling or grow tent frame. Ensure the light is level and stable.
4. **Connect Power:** Plug the power cable into the grow light's input port and then into a suitable electrical outlet (AC100V-240V).
5. **Daisy Chain (Optional):** If connecting multiple lights, use additional power cables (which also serve as daisy chain cables) to link them. Connect the output of one light to the input of the next. Ensure you do not exceed the maximum connection limit (2 units for 110VAC, 4 units for 220VAC).

# DAISY CHAIN Function & Application

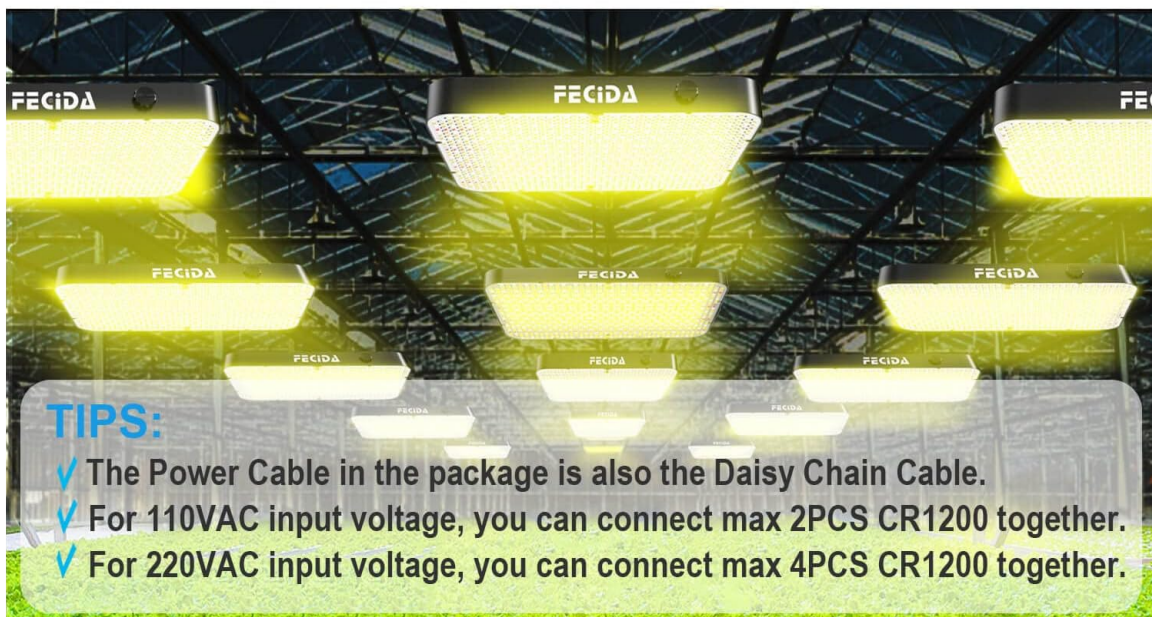
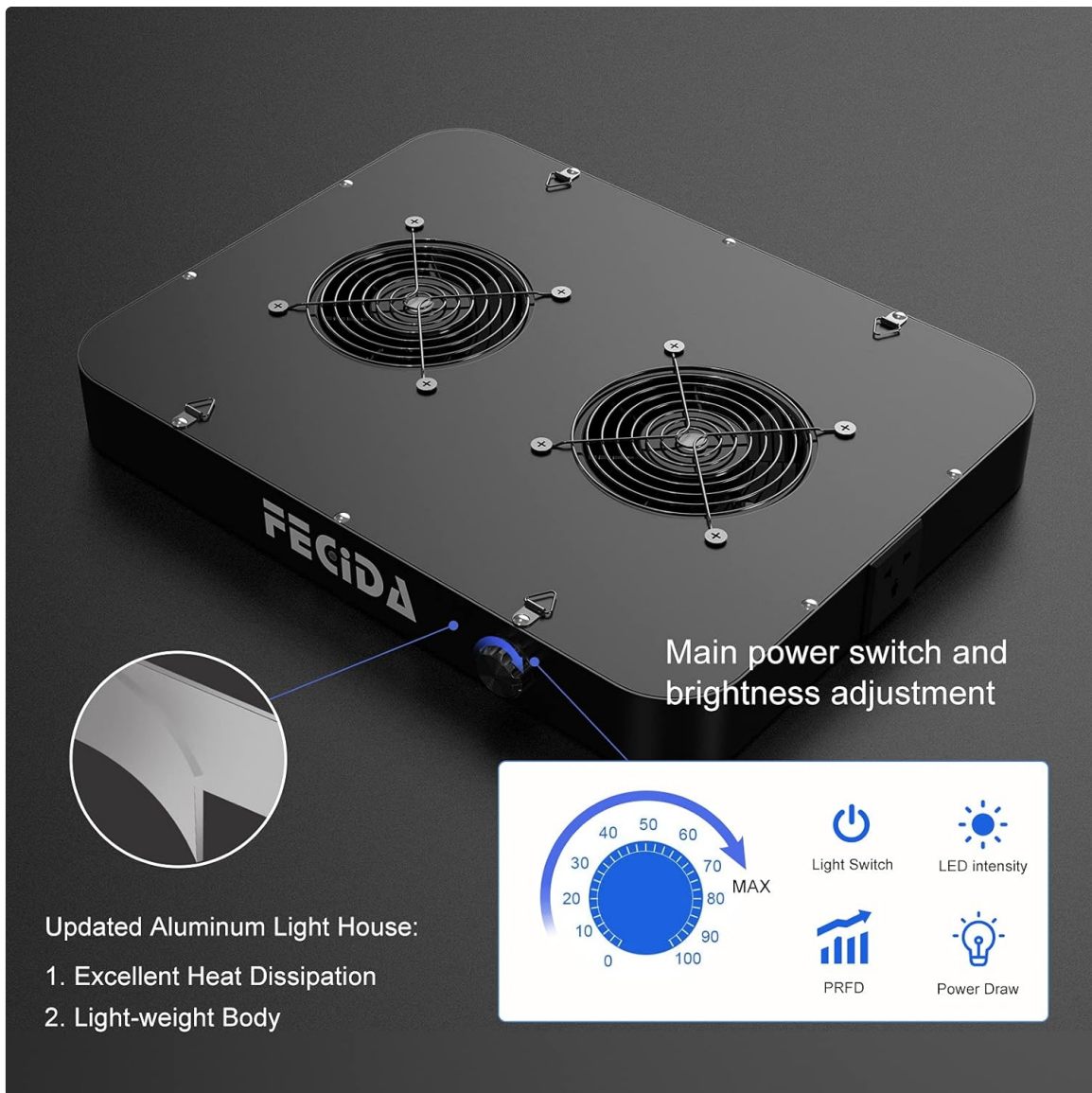


Image: Diagram showing how to connect multiple FECiDA grow lights using the daisy chain function, illustrating the input and output ports.

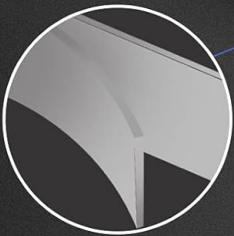
## 5. OPERATING INSTRUCTIONS

### 5.1 Dimming Function

The grow light features a stepless dimming knob to adjust light intensity from 0% to 100%. This allows you to customize the light output for different plant growth stages without needing to adjust the hanging height frequently.



Main power switch and brightness adjustment



Updated Aluminum Light House:

- 1. Excellent Heat Dissipation
- 2. Light-weight Body



Image: Close-up of the FECiDA grow light's main power switch and stepless brightness adjustment knob, showing percentage markings.

### 5.2 Application & Use Guide

One 260 Watt LED Grow Light is ideal for a 3x3 ft or 2x4 ft grow tent or area for all growth stages. Adjust the hanging height and brightness according to the plant's development:

- **Seed Starting or Seedlings:** Hang the grow light at 35-45 cm (14-18 inches) height from your plants. Set brightness at 30%-40%.
- **Vegetative Growth:** Hang the grow light at 35-45 cm (14-18 inches) height from your plants. Set brightness at 60%-70%.
- **Flowering/Fruiting:** Hang the grow light at 35-45 cm (14-18 inches) height from your plants. Set brightness at 90%-100%.

These are general guidelines. Observe your plants and adjust as needed for optimal results.

**FECiDA**



**Add Cart**

Image: Visual guide for adjusting the dimmable knob for different plant growth stages: Seedlings, Growing, and Blooming/Fruiting.

## 6. SPECIFICATIONS

Feature	Detail
Model	GL-CR1200
Rated Power	260 Watt
Input Voltage	AC100V-240V
Number of LEDs	1188 PCS
Light Output Maximum	24000 Lumens
Waterproof Rating	IP44
Product Dimensions	16.4"L x 12.4"W x 1.8"H (41cm x 31cm x 4.6cm)
Net Weight	5.5 lbs (2.5 kg)
Material	Aluminum
Light Source Type	LED
Color Temperature	4000 Kelvin
Style	Stepless Dimmable, UV-IR Included Full Spectrum, Daisy Chain Function

For more detailed product information, refer to the official EU EPREL database:

<https://eprel.ec.europa.eu/qr/1506591>



## CR1200 PFD MAP

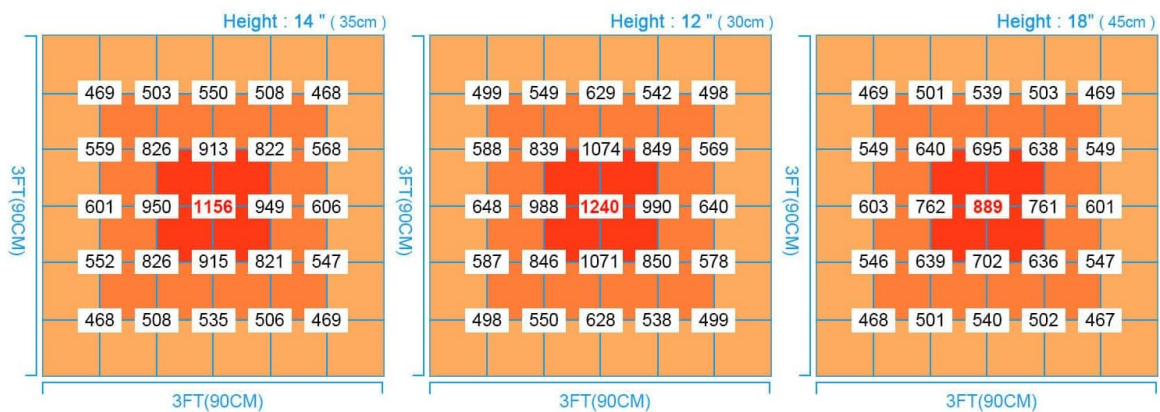


Image: PPFD (Photosynthetic Photon Flux Density) map for the CR1200 model at various heights, indicating light intensity distribution over a 3x3 ft area.

## 7. MAINTENANCE

- **Cleaning:** Ensure the light is unplugged before cleaning. Gently wipe the surface of the light and fan grilles with a soft, dry cloth to remove dust and debris. Do not use liquid cleaners directly on the unit.
- **Fan Check:** Periodically check the cooling fan for any obstructions or unusual noises. Ensure it operates freely to maintain optimal heat dissipation.
- **Cable Inspection:** Regularly inspect the power cable and hanging wires for any signs of wear, cuts, or damage. Replace immediately if damage is found.

## 8. TROUBLESHOOTING

- **Light Not Turning On:**
  - Check if the power cable is securely plugged into both the light and the electrical outlet.
  - Ensure the dimming knob is turned ON (not at 0% or OFF position).

- Test the outlet with another device to confirm it has power.

- **Lights Not Turning Off Completely (Faint Glow):**

- Some LED components may exhibit a faint glow even when the dimming knob is set to OFF due to residual current in the line. To completely turn off the light, unplug it from the power source.

- **Flickering Lights:**

- Ensure the power connection is stable.
- Adjust the dimming knob slightly to see if the flickering stops.

- **Fan Not Operating:**

- Check for any obstructions preventing the fan from spinning.
- If the fan remains unresponsive, contact customer support.

## 9. WARRANTY & SUPPORT

FECiDA offers 100% after-sale service. If you encounter any problems with your product, please contact us immediately.

- **Contact Methods:** You can reach us via Amazon online message or through the official FECiDA website.
- **Response Time:** We aim to respond to all inquiries within 24 hours and resolve your issue as quickly as possible.

For more information about FECiDA products and support, visit the [FECiDA Store on Amazon](#).