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- › [Pinegreen Lighting](#) /
- › [Pinegreen Lighting 2-Pack LED Grow Lights CL-2PKG2SL-ST Instruction Manual](#)

Pinegreen Lighting CL-2PKG2SL-ST

Pinegreen Lighting 2-Pack LED Grow Lights

MODEL: CL-2PKG2SL-ST INSTRUCTION MANUAL

Introduction

Thank you for choosing Pinegreen Lighting LED Grow Lights. This manual provides essential information for the safe and efficient use of your 2-pack LED grow light system, Model CL-2PKG2SL-ST. These lights are designed to provide a full spectrum light source for indoor plants, supporting various growth stages from seeding to fruiting.



Image: Two Pinegreen Lighting LED Grow Lights, Model CL-2PKG2SL-ST, suspended by chains, providing illumination.

Important Safety Information

Please read all instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Indoor Use Only:** This product is designed for indoor use. Do not expose to water or high humidity environments. The product is not water resistant.

- **Power Source:** Ensure the power source is AC and matches the voltage requirements of the product.
- **Ventilation:** Ensure adequate ventilation around the grow lights to prevent overheating. While designed for efficient heat dissipation, proper airflow is crucial.
- **Installation:** Install the lights securely using the provided mounting hardware. Do not hang the lights by the power cord.
- **Maintenance:** Disconnect power before cleaning or performing any maintenance.
- **Children and Pets:** Keep the product out of reach of children and pets.

What's in the Box

The package for your Pinegreen Lighting 2-Pack LED Grow Lights (Model CL-2PKG2SL-ST) includes the following components:

- 2 x LED Grow Light Fixtures
- Mounting Chains/Hardware (for hanging installation)
- Surface Mount Clips (for surface installation)
- Power Cord with On/Off Switch (6ft length)
- Linking Cord (for connecting multiple units)
- End Caps/Connectors

Product Specifications

Feature	Specification
Model Number	CL-2PKG2SL-ST
Brand	Pinegreen Lighting
Light Type	LED Grow Light
Light Color	Full Spectrum
Wattage	15 Watts per fixture (30 watts total for 2-pack)
Power Source	AC
Control Method	Push Button (on power cord)
Indoor/Outdoor Usage	Indoor Only
Water Resistance Level	Not Water Resistant
Product Dimensions (each)	25 x 4 x 3 inches
Item Weight (total)	1.65 pounds
UPC	703355985373

Setup and Installation

Your Pinegreen Lighting LED Grow Lights offer two primary installation methods: hanging and surface mounting.

1. Choose Installation Method



Image: Illustration of two installation methods for the grow light: hanging from the ceiling with chains and surface mounting with clips.

- **Hanging Installation:** Use the provided hanging chains and hooks to suspend the light fixture from a ceiling or a sturdy overhead structure. Ensure the hooks are securely fastened.
- **Surface Mount:** Utilize the included surface mount clips to attach the light fixture directly to a flat surface. Mark the desired position, drill pilot holes if necessary, and secure the clips with screws.



Image: A single Pinegreen Lighting LED Grow Light suspended by chains, demonstrating a hanging installation.

2. Linking Multiple Lights (Optional)

The grow lights are linkable, allowing you to connect multiple units to cover a larger area. Use the provided linking cord to connect the end of one light fixture to the beginning of another. The linking cord is approximately 12 inches long.



Image: Detail of two grow light fixtures connected by a short linking cable, illustrating the linkable feature.

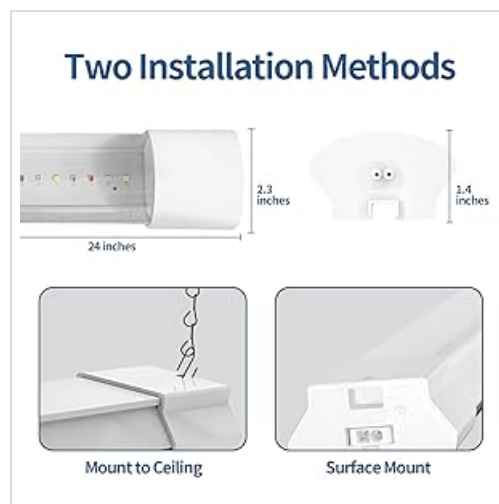


Image: Diagram illustrating the connection of two grow lights using a 12-inch linking cord.

3. Power Connection

Once installed, connect the power cord to the first light in your setup. The power cord features a convenient on/off push button switch and is 6 feet in length.



Image: The power cord for the grow light, showing the integrated on/off switch and its 6-foot length.

Operating Instructions

1. Powering On/Off

To turn the grow lights on or off, use the push button switch located on the power cord. Ensure the power cord is securely plugged into a standard AC outlet.

2. Full Spectrum Lighting for Plant Growth

These LED grow lights provide a full spectrum of light (380nm to 780nm), mimicking natural sunlight to support all stages of plant development. The specific wavelengths are tailored to optimize plant absorption, promoting healthy growth, flowering, and fruiting.

3. Understanding PPFD (Photosynthetic Photon Flux Density)

PPFD measures the amount of photosynthetically active radiation (PAR) that falls on a surface per second. The Pinegreen Lighting LED Grow Lights deliver high PPFD, ensuring your plants receive sufficient light energy for photosynthesis. The intensity of light decreases with distance from the source.

PPFD FOR ONE LIGHT

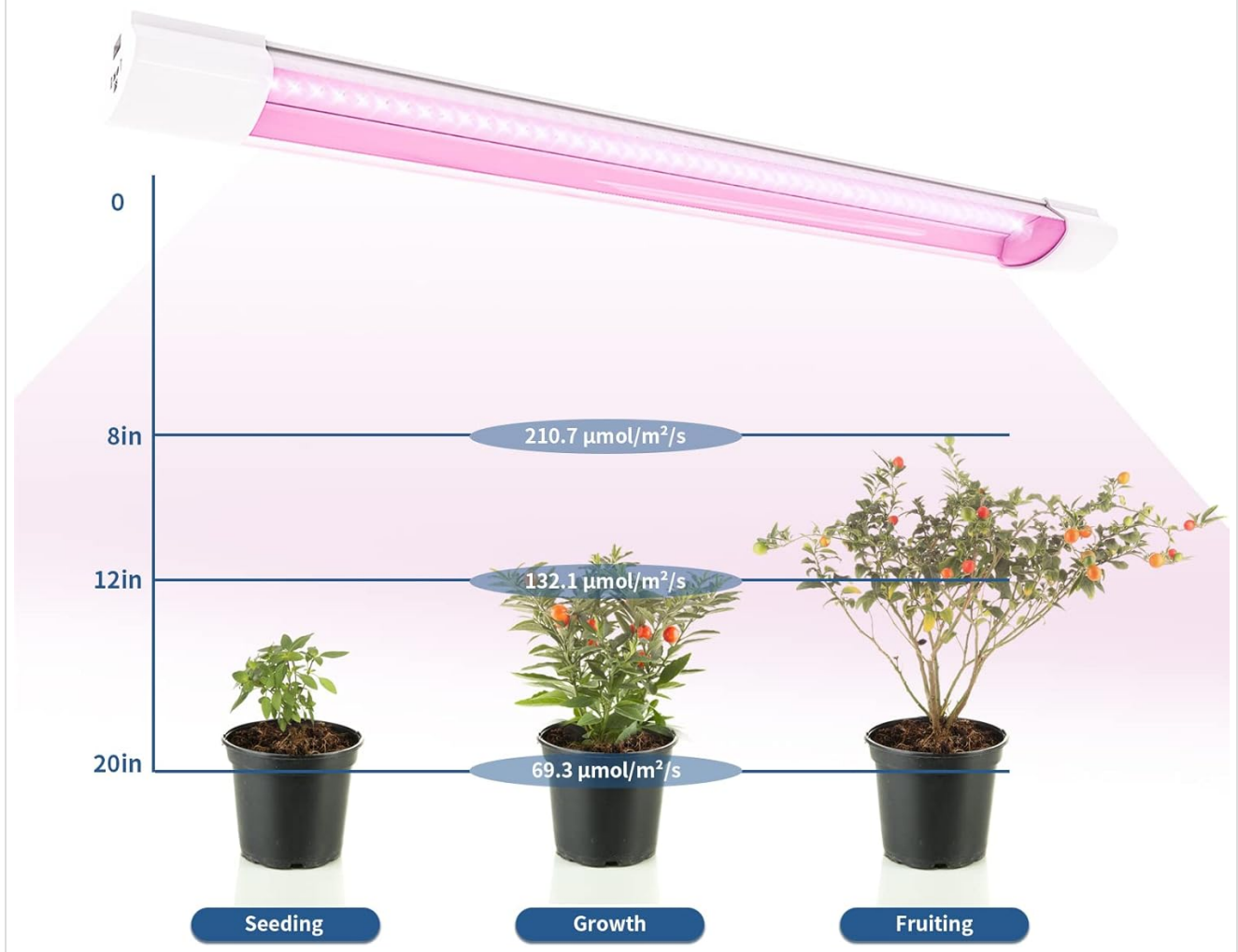


Image: A diagram illustrating PPFD measurements at 8, 12, and 20 inches from a single grow light, showing optimal light intensity for seeding, growth, and fruiting stages of plants.

- **Seeding:** Higher PPFD (e.g., $210.7 \mu\text{mol}/\text{m}^2/\text{s}$ at 8 inches) is beneficial for initial plant development.
- **Growth:** Moderate PPFD (e.g., $132.1 \mu\text{mol}/\text{m}^2/\text{s}$ at 12 inches) supports vegetative growth.
- **Fruiting/Flowering:** Lower PPFD (e.g., $69.3 \mu\text{mol}/\text{m}^2/\text{s}$ at 20 inches) can be suitable for mature plants in their reproductive stages, depending on plant type.

Adjust the hanging height of your lights to achieve the desired PPFD for your specific plants and their growth stage.



Image: Examples of multiple usage scenarios for the grow lights, including placement on balconies, in living rooms, or greenhouses for various plant growth stages.

Maintenance

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to wipe the surface of the light fixture. Do not use abrasive cleaners or solvents.
- **Heat Dissipation:** The grow lights are designed with efficient heat dissipation to ensure longevity and safe operation. Ensure that the vents are not blocked and there is adequate airflow around the fixtures.
- **Inspection:** Periodically inspect the power cord and connections for any signs of damage. If any damage is found, discontinue use and contact customer support.

Troubleshooting

If you encounter issues with your Pinegreen Lighting LED Grow Lights, please refer to the following common solutions:

- **Light Does Not Turn On:**
 - a. Ensure the power cord is securely plugged into a functional AC outlet.
 - b. Check if the on/off switch on the power cord is in the 'On' position.
 - c. If using multiple linked lights, ensure all connections are secure. Try testing individual lights if possible.
 - d. Verify that the power outlet itself is working by plugging in another device.
- **Dim or Flickering Light:**
 - a. Check all connections for looseness.
 - b. Ensure the light is receiving adequate power and there are no power fluctuations.
- **Overheating:**
 - a. Ensure there is sufficient airflow around the light fixture.
 - b. Remove any obstructions that might be blocking the heat dissipation surfaces.

If these steps do not resolve the issue, please contact Pinegreen Lighting customer support for further assistance.

Warranty and Support

Pinegreen Lighting products are manufactured with quality and reliability in mind. For information regarding product warranty, returns, or technical support, please refer to the warranty card included with your purchase or visit the official Pinegreen Lighting website. You may also contact customer service directly for assistance with your CL-2PKG2SL-ST LED Grow Lights.

Contact Information: Please refer to your product packaging or the Pinegreen Lighting official website for the most current customer support contact details.