

modern sprout.

GROWHOUSE

Instruction Manual



Included in box

Model # MODGHLEDS R1.1

92 CRI Rated Full-Spectrum 8 LED Panel

Rated for 50,000 Hours of Usage

Conformal Coating for Water Resistance and Durability

Eco-Friendly, Low-Power

3-Setting Timer with Brightness Control

Adaptor Specifications: Input: 100-240V-50/60Hz

Output: DC 9V 1500mA

Exterior Dimensions: 15.5" x 5.125" x 15.5"

Includes: UL Certified 6.5' Power Cord

Greenhouse Materials: Glass with Welded Brass Frame. Made in the USA of domestic and imported components.

Please read this manual prior to operating, assembling or attempting to return this unit.

Modern Sprout's Growhouse is the greenhouse plus grow light that makes sustaining a year-round indoor garden not only doable, but beautiful. Designed for small spaces, kitchen countertops or even mounting on a wall, this glass and antiqued brass fixture can house multiple plants anywhere in your home. Our custom full spectrum LEDs support healthy vegetative growth while a timer provides low-to- full light settings and automatically turns on/off.

A hinged door keeps moisture in while allowing for easy watering and harvesting. Stylish and multi-functional, the Growhouse is perfect for an endless variety of kitchen herbs and leafy greens (including basil, mint, rosemary, parsley, arugula, watercress and many more) plus cacti, succulents and houseplants.

HOW IT WORKS

Full spectrum LEDs supply an ideal balance of light for vegetative plants and seed starting. The greenhouse design provides a protective, higher humidity environment perfect for starting plant clippings or transplanting indoors. LEDs run at low temps thus eliminating the risk of burning young seedlings/plants. With the timer set, the light automatically turns on and off ensuring your plants get plenty of light every day.

But how do the grow lights work? You've probably heard of photosynthesis, the process by which plants make food by trapping light energy in their leaves. That light has many different colors in it. Chlorophyll, a plant pigment which does the trapping and creates energy for the plant, usually absorbs red and blue light. These two colors' specific wavelength range, called Photosynthetically Active Radiation (or PAR for short), falls within 400 nanometer (nm) to 700 nm wavelengths, perfect for Chlorophyll A and B to manufacture sugar to fuel plant growth.

Our full-spectrum grow light provides both of these ranges in high amounts as well as in between ranges, too, which are important to other plant pigments. Even better? The combination of all spectrums is emitted as a natural, warm sun-like white color instead of the harsh bluish glare of other commercial grow lights.

BUILT-IN GROW LIGHT

Our 92 CRI rated full-spectrum LEDs produce a museum-quality lighting, meaning the color perceived by the human eye is true to the plant and not altered by the LED. Eco-friendly LEDs use minimal power and have a long life span. They're rated for 50,000 hours of usage (an average of 12 yrs.) depending on timer settings. LEDs emit little to no heat and have a conformal coating for water resistance and durability.

3-SETTING TIMER WITH BRIGHTNESS CONTROL

Just plug it in and set the timer. Includes light on/off settings ranging from 8-16hrs with brightness intensity control. A tranquil 4 ½ minute fade in and fade out mimics dawn and dusk. Timer is touch sensitive and sleekly mounted behind the glass. Simply tap the glass surface to operate.

GREENHOUSE

Features a hinged front panel for easy plant access and watering, along with integrated hanging hardware for wall mounting. Designed to maintain a higher humidity—requiring less watering and perfect for dry environments and winter months. Interior is sized to hold 4" potted plants.

GARDENING TIPS

Light Settings

Different plants require different intensities and durations of light to thrive. Select 8 HOURS and adjust brightness to low-medium intensity for shade and low light plants. Choose 12 HOURS and adjust brightness to medium-max intensity for partial sun plants. And, use 16 HOURS at max intensity for full sun plants.

Air Flow

The Growhouse provides a protective environment, yet many plants benefit from air flow. It can strengthen their stems and help them stay hearty and upright, which is important when plants are started from seed and need to mature. To encourage air flow, place in a position where plants will receive an occasional slight breeze, whether from a window or a fan.

SETTING THE TIMER

Attach the enclosed power adapter to the timer connector and plug power adapter into a wall outlet.

Tap the SET TIMER button to toggle timer setting options. A blue light will illuminate for 10 seconds to indicate what setting is selected.

Once the desired setting is selected, tap the INSTANT ON/OFF button to start the Growhouse timer/lights.

LEDs will fade on over 4 ½ minutes and stay on for the selected time. At the end of the timer duration, the LEDs will fade out over 4 ½ minutes.

The LEDs will stay off for the selected number of

Location

Selecting an ideal indoor location is largely dependent on your preference and the plants you are growing. A sunny window can provide additional light and heat for fruiting and flowering plants or reversely too much heat for low light plants. A bathroom can provide a boost of humidity for water-loving botanicals. A vibrant vertical garden mounted on a wall can finally be achieved with a direct light source for your plants!

Watering

Watering frequency is dependent on the plant type. Make sure to factor in the environmental conditions based on the location of the Growhouse (sunlight, heat, humidity). If your planter(s) has a drain hole, make sure you add a tray underneath it to prevent water damage.

For more information, please visit www.modsprout.com

hours, and the sequence will repeat at the same time the next day.

-To temporarily turn off the Growhouse for the day, tap the INSTANT ON/OFF button twice. The Growhouse will turn off and resume the normal timer sequence the next day.

-To permanently turn off Growhouse, tap SET TIMER button until you reach the TIMER OFF setting.

SETTING BRIGHTNESS

Default brightness is max intensity. Setting the brightness will not alter the timer setting.

Press and hold the INSTANT ON/OFF button, then press SET TIMER button. Release both buttons. If done successfully, all four indicator lights will illuminate in the right-hand settings area.

Press and hold INSTANT ON/OFF to decrease brightness.

SAFTY GUIDELINES & CARE INSTRUCTIONS

For indoor use only.

The LEDs have been permanently installed into this fixture. Do not repair, disassemble, or modify under any circumstances.

Although LEDs do not get as hot as traditional light bulbs, they still generate some heat. Avoid touching the LED panel and do not cover lights with flammable objects.

3-YEAR LIMITED WARRANTY ON LEDS & ELECTRONICS

Failure to comply with the recommendations in this manual will void warranty. Modern Sprout warrants the LEDs & ELECTRONICS in this product for three years from the date of purchase from Modern Sprout or an authorized Modern Sprout retail partner. Proof of purchase required. The warranty covers only damage resulting from defects in material or workmanship; it does not cover conditions or malfunctions resulting from normal wear, neglect, abuse, accident, or repairs

Press and hold SET TIMER to increase brightness.

Release when you've achieved desired brightness.

Press and hold the INSTANT ON/OFF button, then press SET TIMER button and release both buttons to complete and exit brightness setting mode. All four blue indicator lights will turn off.

Do not try to modify the plug, cable or adaptor. Use only with supplied ACpower adaptor.

Do not use the light if the power cord gets damaged.

Avoid usage in high temperature areas.

TO PREVENT RISK OF SHOCK OR INJURY, always power off and unplug Growhouse before cleaning. Use a soft and slightly damp cloth when cleaning LEDs. Do not use chemical or abrasive cleaners.

attempted or made by other than Modern Sprout. The customer is responsible for the costs of shipping the product to Modern Sprout.

Many questions may be answered by visiting <http://www.modsprout.com/pages/support> or you may contact us at service@modsprout.com or 312.373.9292.

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