

modern sprout.

GROWBAR

Operation Manual

Model # MODGBLEDS R1..2

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

A LIGHT FOR LIVING GREEN: Modern Sprout's Baltic birch Growbar lets your plants take residence anywhere in your home. Full-spectrum LEDs feature a natural white light that brightens your space while providing nourishment to leafy greens. Includes hanging and mounting hardware to accommodate a variety of locations — like hanging in an obstructed window, or mounted underneath kitchen cabinets or a living room shelf. The Growbar supports healthy vegetative growth and features a timer that provides low-to-full light settings and automatically fades on

Exterior Dimensions: 19" x 2" x .75"

Includes: Baltic Birch Fixture, UL Certified 10' Power Adapter, Hanging & Mounting Materials, Decorative Woven Cord Cover.

Made in the USA.

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

and off everyday to mimic sunrise and sunset. Stylish and understated, the Growbar is perfect for an endless variety of kitchen edibles (like basil, mint, rosemary, parsley, arugula, watercress and many more) plus cacti, succulents and light-loving houseplants.

HOW IT WORKS

Full spectrum LEDs supply an ideal balance of light for vegetative plants and seed starting. LEDs run at low temps thus eliminating the risk of burning plants. With the timer set, the light automatically turns on and off ensuring 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 fade on and fade off mimics dawn and dusk. See reverse side for instructions.

HANGING & MOUNTING COMPONENTS

Two square pieces of 3M Dual Lock hook and loop are included for mounting; simply remove adhesive backing and place on either end of the Growbar (on the opposite side of timer) and firmly press into place.

To hang, screw in the eye bolts into the small pilot holes on the top of the Growbar until heads are flush with the surface. Black and white cord is included and can be used to hang the Growbar; simply tie and knot on each eyehole and cut to preferred length. Optional neutral cord covers can be used to hide the power cord and provide symmetry between both sides. The cord cover works like a Chinese finger trap — expand the diameter by squeezing the cord cover together, then weave the power cord and hanging cord through (you can tape both cords together for ease). If you need to shorten the cord cover, prior to installing cut with scissors and carefully heat each end with a flame to fuse — this will prevent it from unraveling.

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.

Light Distance

For seed starting, position the Growbar 4"-8" above pots. Once seeds have germinated and have 2-3 sets of leaves, adjust light to 6"-12" above seedlings. For established plants, keep the light 10"-16" above the plant canopy, as this will prevent the light from overwhelming the plants and ensure light penetrates lower layers of foliage.

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 Growbar timer/lights.

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

The LEDs will stay off for the selected number of

Air Flow

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

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!

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

-To permanently turn off Growbar, 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.

SAFETY 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 fluorescent 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,

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 AC power 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 Growbar before cleaning. Use a soft and slightly damp cloth when cleaning LEDs. Do not use chemical or abrasive cleaners.

abuse, accident, or repairs attempted or made by someone 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 www.modsprout.com or you can contact us at service@modsprout.com or 312.373.9292.

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2010 W. Fulton St. F-304C, Chicago IL 60612