

# GROWBAR

Instruction Manual

modern sprout.

## A GROW LIGHT FOR LIVING GREEN

Light the way to a greener home. Our Growbar is the vital solution for creating a lush plantscape in sun-deprived spaces. Its full spectrum LED grow light nourishes low-to-bright light loving plants. Simply mount under a shelf or cabinet, add plants and select or create a daily on/off schedule in the Modern Sprout App.

## SPECS

Model # MODGBLEDS R2  
4000K Natural White Light  
90+ CRI Dimmable LEDs  
UL Certified 9V 3A Power Adapter  
15"l x 2.3"w x .6"h  
Average Lifespan 25,000 hrs

## INCLUDES

White Flush Mount Metal Fixture, 2x LED Light Strips, 10' White Power Cord with Manual On/Off Switch, Smart App Software, 2x 1" Dual Lock Reclosable Fastener, Operation Manual

3 Year Warranty

Assembled in the USA of imported and domestic components.

**PLEASE READ THIS MANUAL PRIOR TO OPERATING, ASSEMBLING OR ATTEMPTING TO RETURN THIS UNIT.**

## HOW IT WORKS

Full spectrum LEDs supply an optimal blend of light colors to support seed starting, vegetative growth and flowering. LEDs run at low temps thus minimizing the risk of burning young seedlings or 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 exactly? 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.

## GROWING TIPS

### LIGHT SETTINGS

Different plants require different intensities and durations of light to thrive. Select Partial Shade and adjust brightness to medium intensity for shade and low light plants. Choose Partial Sun and adjust brightness to medium-max intensity for partial sun plants. Choose Full Sun at max intensity for full sun plants.

### LIGHT DISTANCE

For seed starting, position the Growbar 4"-8" above seeds. 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.

### WATERING

Watering frequency depends on the plant type. Be sure to factor in the environmental conditions based on the location of the Growbar (sunlight, heat, humidity).

## AIR FLOW

Indoor plants benefit from air flow. It strengthens their stems and helps them stay hearty and upright, which is important when plants are started from seed and need to mature. When starting from seed, consider placing in a well-ventilated area near a window, vent or fan.

## LOCATION

Selecting an ideal indoor location is largely dependent on your preference and the plants you are growing. Mount underneath kitchen cabinets near windows that can provide additional light and heat for fruiting and flowering plants. A bathroom can provide a boost of humidity for water-loving botanicals. Install under living room shelves to bolster vibrant houseplants. A dynamic indoor garden can finally be achieved with a direct light source for your plants!

## 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 incandescent light bulbs, they still generate some heat. Avoid touching the LED panel and do not cover lights with flammable objects.

Do not try to modify the plug, cable or adapter. Use only with supplied power adapter.

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

Avoid use 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.

## 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 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 FAQ + Feedback in the Modern Sprout App or by visiting [modsprout.com](https://modsprout.com)

Customer Service: [service@modsprout.com](mailto:service@modsprout.com)

GROW & TELL:   

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## APP SETUP

This Growbar is app-enabled, so you will need a smart phone and 2.4 GHz Wi-Fi network to operate it.

1.

Ensure that your smart phone is connected to your Wi-Fi network. Then, download the Modern Sprout App. Set up your account using an email and password. Follow the on-screen steps to complete login.



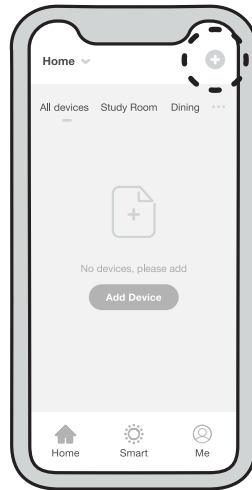
2.

Plug the Growbar in and press and hold the power button on the Controller for 10 seconds until the Growbar lights start to blink. When the lights begin to rapidly blink, the plug is in pairing mode and capable of syncing to the Wi-Fi.



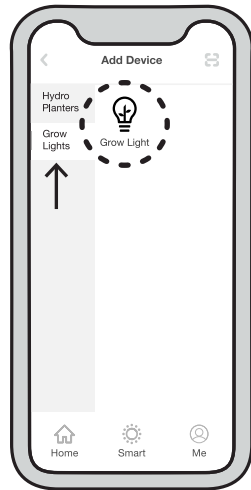
3.

It's time to pair your Growbar with the Modern Sprout App. While the lights are blinking, tap the plus symbol in the top right corner of the App to take you to the Add Device page.



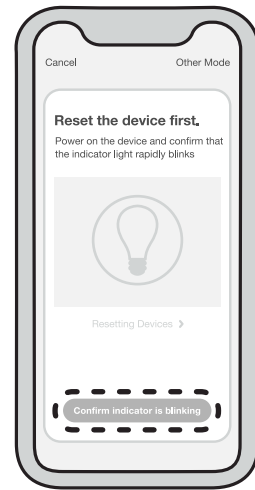
4.

Select the "Grow Lights" tab on the left-hand side. Now tap the Grow Light icon.



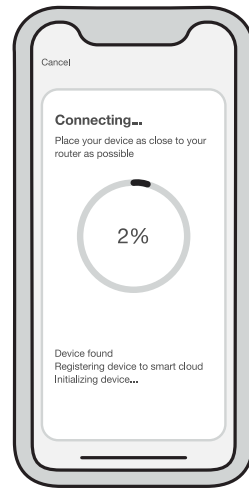
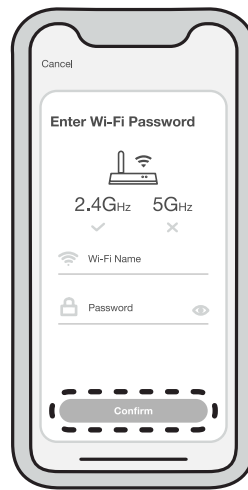
5.

Tap the "Confirm" indicator is blinking" button.



6.

Enter your Wi-Fi name and password (both are case sensitive). Tap "Confirm" and wait for the progress indicator to complete the device connection.

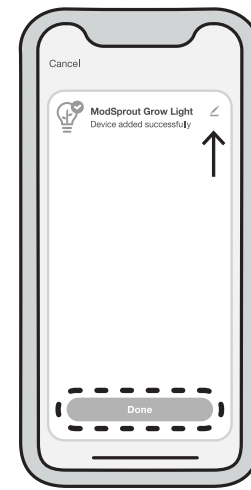


7.

Once you have successfully paired your Growbar, tap the pencil icon to rename it (not required) and tap "Done". You are now ready to set your light schedule.

### RESETTING DEVICE

- If the Growbar does not connect, unplug for 1 minute and then plug it back in.
- Once the light is on, hold the power button on the Controller for 10 seconds to put the light into pairing mode.
- Once the light is rapidly flashing connect using steps 3-7.
- Need help? Check out Me > FAQ + Feedback in the Modern Sprout App for troubleshooting steps or to report an issue.



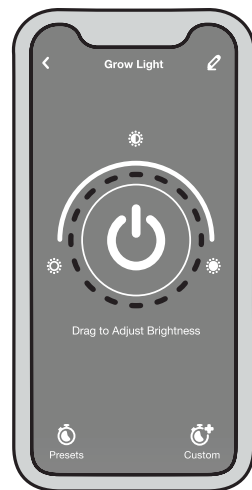
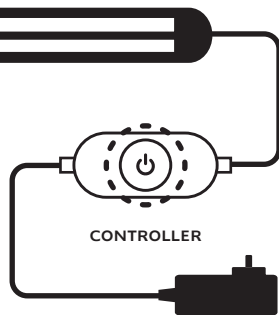
## LIGHTING SCHEDULE

There are three ways you can use your grow light: MANUAL ON/OFF; PRESET SETTINGS; CUSTOM SETTINGS

1.

### MANUAL ON/OFF

When you tap the on/off button on the Controller or App, the light will automatically turn on or off. (Note this action temporarily overrides any other presets).



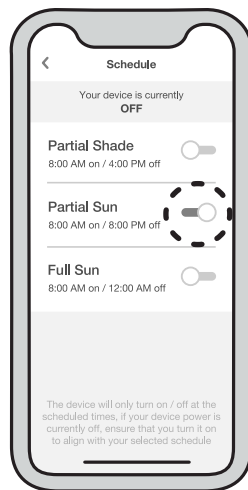
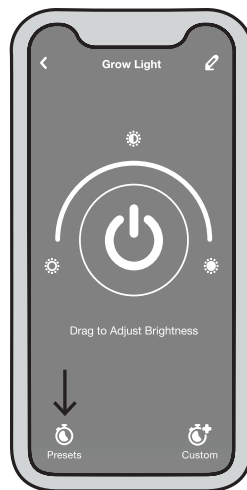
APP

2.

### PRESET SETTINGS

Preset timer settings are based on different lighting needs.

Tap "Presets" in the lower left corner. Now tap to select a setting. Only one setting can be selected at a time.

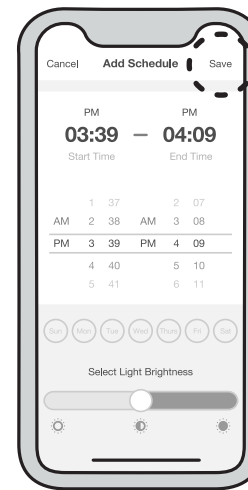
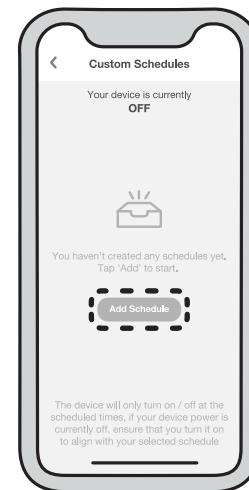
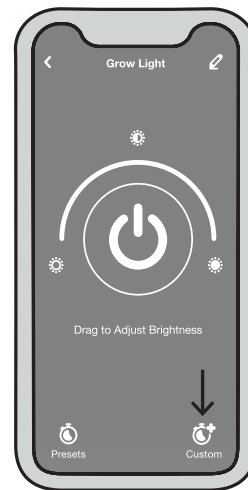


3.

### CUSTOM SETTINGS

Create a fully configurable daily lighting schedule.

- Tap "Custom" in the lower right corner.
- Tap "Add Schedule".
- Select an on time.
- Select an off time.
- Select the days you want the light schedule to run. (7 days / week is recommended).
- Select Brightness.
- Tap "Save" in the upper right corner. Name your setting and tap "Save" again.



FOR MORE INFORMATION ON PAIRING YOUR PLANTS WITH THE OPTIMAL LIGHT FREQUENCY AND BRIGHTNESS, VISIT: [MODSPROUT.COM/SMARTLIGHT\\_SETUP](https://MODSPROUT.COM/SMARTLIGHT_SETUP)