

**LIGHTING SPECIFICATIONS AND  
TECHINICAL DATA**

Beam Angle	140°
Emitting Color	RGB-WW
Operating Voltage	12V
Lumens	23/ Lamp, 98/ Meter, 30/ FT
Lens Type	Clear
IP	67
Operating Temp.	-30°C to +45°C
WW CCT Color	2800K
Bulb Life Expectancy	50,000 Hours
Diameter	30mm
Max Power Draw	0.96 W/Bulb

**LIGHT & TRACK GUIDE**



## GEMSTONE LIGHTS® SYSTEM

Gemstone Lights® is a certified innovative lighting solution for use on homes or businesses. Our track system, combined with our proprietary controller and lights, gives the user the ultimate control. Create patterns, animations, and colors using our cloud enabled HUB and programmable smart App. Address each light individually for beautiful architectural patterns, or make your house shine multi color for any celebration.

## GEMSTONE LIGHTS® TRACK

Gemstone Lights® will enhance the look of your home and maintain a clean and professional look. With hundreds of colors to choose from, our tracks will blend into your existing fascia and soffit. Our low profile color-matched track will hide the lights during the day and bring them to life at night with perfect spacing.

The best system requires the best installers. Gemstone Lights® only partners with like-minded companies that uphold the highest levels of quality and customer service.



## CUSTOM & ARCHITECTURAL LIGHTING

The Gemstone Lights® system is capable of individually addressing and controlling each light with any color you desire. Build a pot light effect, display a custom pattern or just light up a single section of your home.

## COLORS FOR ALL OCCASIONS

Decorate your house with vibrant colors for Birthdays, Christmas, Valentine's day or any special occasion. Choose any pattern of colors and make them run, chase or jump. The options are nearly endless!



# LAMP TECHNOLOGY

## RGB-WW LED (Red, Green, Blue, Warm White)

Creating a consistent warm white with RGB is not possible. To solve this problem Gemstone Lights® added a dedicated 4th spectrum to our LEDs bringing a true 2800k warm white. Choose your desired tone, warm or cool it's up to you.

## How to verify your lights have True Warm White (RGB-WW vs RGB)

Look for a yellow-colored mark on the LED within the lamp. This mark is key to creating a constant warm white. Next, check the software. RGB-WW requires 4 separate spectrums that can be controlled individually within the app. If the mixer only has RGB or the lamp does not have a yellow mark, then the lights do not contain true warm white.

## More Specifications

- **Surge protection**  
Each lamp is individually protected with a surge protector in case of power surges or lightning strikes
- **4 channel output LED driver circuit**  
Built to receive 4 separate signals from the controller, one for each of our colors
- **Intelligent digital port data & signal reshaping amplification drive circuit**  
Used to reliably repeat signals from lamp to lamp while allowing for large jumps
- **Internal oscillator & 12 V programmable constant current output drive**  
Designed for constant power and even lighting
- **UV protected lamps and wiring**  
Used to protect the wiring and the lamp from yellowing and future UV damage



# CONNECTORS & CABLES

Gemstone Lights® lamps are individually connected for simple installation, repair, and replacement. Along with being UV protected our connections are compression fit and designed to achieve a watertight seal. Our fittings have been proven to significantly improve the integrity of the connection and to last much longer than crimping or soldering.

## With Threaded connectors, repairs are as easy as 1,2,3

The Gemstone Lights® lamps are all fitted with threaded waterproof connectors. If a lamp or LED is damaged or in need of repair, simply remove the lamp out of the track, separate the connector and plug the new lamp back in.



Waterproof Connectors

# WHY WE NO LONGER SOLDER AND CRIMP

Soldering should be performed in a controlled environment for best results. Fluctuating temperatures can result in poor connections. Over time micro-cracks can occur in solder followed by solder fatigue. This greatly reduces the life expectancy of the connection. If repairs are needed on a soldered system, multiple cables for each light have to be cut and spliced. These splices significantly increase the likelihood of failure.

**Heat shrink, solder, and crimping are not enough to ensure quality watertight connections.**

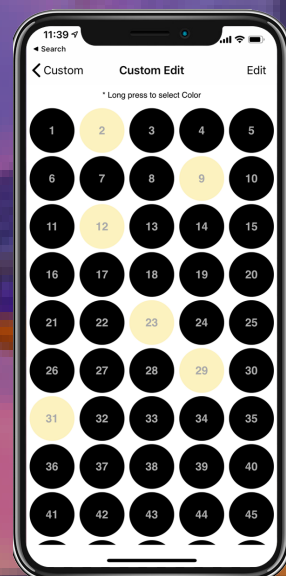
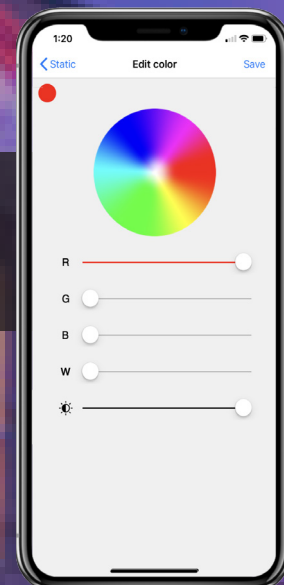


## GEMSTONE LIGHTS® APP

Unlock your creative potential with the Gemstone Lights® proprietary App. Customize and create your own colors and patterns while on the go with our cloud-enabled system.

### STATIC COLOR WHEEL

Choose your favorite color and save it as a pre-set. Fine-tune the color with a preview.

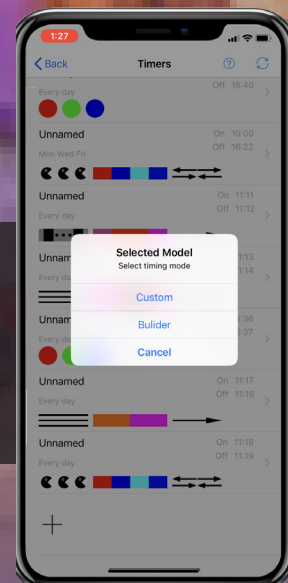


### INDIVIDUALLY ADDRESSABLE LIGHTS

Gemstone Lights® Smart LEDs allow you to control each lamp individually and create beautiful architectural patterns specific to your home.

### TIMERS

Assign specific colors, patterns or animations to a custom schedule of your choice.



## THE CLOUD-BASED ADVANTAGE

The Gemstone Lights® HUB controller is a cloud-based application programmable via the iOS or Google Play App. Control your lights remotely, set timers, share devices and run updates from any location with an internet connection. The Gemstone Lights® controller and App is packed with features allowing complete customization and control.

## KEY FEATURES

### HOME PAGE

- Create custom folders for organization
- Use pre-built folders to organize patterns
- Choose from preset Sports themes, kids patterns, etc..
- Create complex color patterns
- Mix and save colors to a pre-set
- Easy to use static wheel
- Simple dimming slider for brightness control
- Built-in sliders for speed of animation
- On/off toggle visible in the cloud
- Available tutorials accessible in the App
- Pre-built Favorites folder
- Design creative animations and patterns
- Create and store Architectural presets, Cool White, Warm White, etc..

### TIMER

- Save multiple timers
- Activate timers with a simple on/off toggle
- Choose from custom patterns or saved presets
- Repeat timers yearly or daily
- Set timers for holidays and birthdays
- Remotely access your timers

### DOWNLOADS

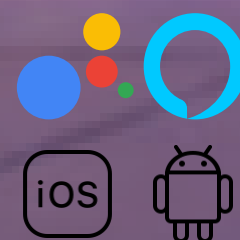
- Download pre-built timers specific to your occasion or holiday
- Choose from Valentine, Christmas, Halloween, Easter, Disney, Paw Patrol, Sporting teams, Architectural, Country Colors and much more

### CUSTOM

- Architectural control with live preview
- Build security lighting options
- Easily select and save patterns
- Choose to light up peaks, sidewalks or any section of your house
- Copy and paste features for ease of building
- Save and store multiple patterns for future use

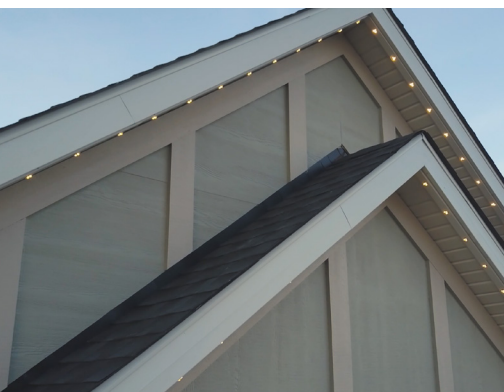
### SHARING FEATURES

- Manage lights on multiple properties in one central location
- Merge controllers together to control multiple systems as one
- Share separate devices between users
- Create a Family to share multiple devices between members
- Assign admin, owner, and family roles
- Transfer ownership from one member to another





# GALLERY



## CERTIFICATIONS

**Gemstone Lights® products are either ETL or UL certified and approved for sale in the USA and Canada.**

Electrical certifications and standards give consumers confidence that the products or systems they purchase will not cause harm when used as intended.

### How to know if your product is approved for sale in North America

Certified products are required to display an approved mark. Look for these certification marks on the lamps and controllers.

