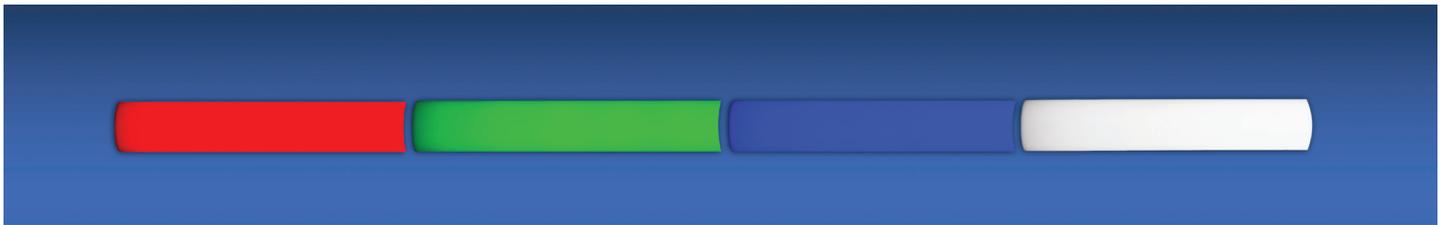




## Multi-Tone, High-Intensity LED Light Source



### Extremely Versatile Multi-Color Strip

FlexRad® 4Tone® opens up versatile options to new designs for a multi-color light engine. 4Tone can combine any layout of static colors or white color temperatures based on your needs. The possibilities available with this new series can expand your product offering in tunable options and create vibrant color in a compact footprint to fit the smallest spaces.

### Optionally Populated with Chip-Scale Technology for High Pixel Density

The latest offering in chip-scale packaging allows FlexRad to populate a tight cluster of emitters arranged in a slightly larger footprint than fully packaged emitters. The direct mount emitters offer similar intensity and lumen output in a much smaller footprint. FlexRad's engineered circuit with thermal adhesive controls the heat dissipation required to maintain the high output, high density design.

### RGBW, Multi-Tone White or Any Combination

With 4Tone, each channel is individually controlled. RGBW, now populated all on one circuit, helps streamline the need for multiple boards. The versatility of blending more than one warm and cool white emitter will prevent falling below the blackbody radiant curve. Any combination of color or white can be easily populated to fulfill any tunable option.

This circuit design can be depopulated to fulfill multiple needs such as a dual color combination or tunable white with three color temperatures.

### Trimmable Circuit

FlexRad technology is trimmable in various lengths. Even the tight grouping of these emitters still provides separate channels. Whatever your needs, we can engineer a layout that meets your specifications.



## A P P L I C A T I O N S

Cove	Hospitality
Slot	Entertainment
Indirect	Architectural
Exterior	Healthcare
Signage	Retail



## Trusted Manufacturer of Patented FlexRad® High-Intensity LED Light Circuits

MetroSpec Technology® manufactures FlexRad® LED light sources exclusively for light fixture manufacturers needing the best efficiency, highest reliability, and most cost-effective solutions. For more than a decade, MetroSpec has been providing lighting OEMs with the finest LED technology and services to help them quickly and confidently pursue LED fixture sales.

### Strong Personal Relationships

Partnerships are the center of MetroSpec's business. We collaborate with our customers, enabling them to win more projects and grow their businesses. Using our patented technology and industry expertise, we act as navigators to guide our customers through the challenges of LED light engine design.

### Speed and Efficiency

Delivering customized LED light circuit technology quickly is one of our strongest attributes. We understand the urgency of orders and the need for quick delivery. It is our priority to rapidly fulfill custom orders to exact specifications by maintaining a complete inventory of critical components.

### Customers Control Their Own Designs

Our customers have complete control over their designs every step of the way. Private label LED light sources are never discontinued or changed without permission, therefore eliminating costly redesigns and new testing. MetroSpec is a trusted supplier and not a competitor.



### Strong and Stable Supplier

For more than a decade, MetroSpec has been specializing in quality LED solutions for light fixture manufacturers. Our well-established and patented FlexRad solid state lighting technology has proven to be extremely reliable in a wide range of applications. Millions of FlexRad circuits are installed worldwide and installations grow by miles every week.

### Made in America

FlexRad is manufactured in Minnesota assuring direct communication and fast response. MetroSpec's lean, US-based manufacturing guarantees shorter lead times, highest quality, and lowest overall costs. With processes based on ISO and IPC standards, every FlexRad circuit is inspected and tested to ensure exceptional quality and near zero defects. Our customers are confident FlexRad is the best LED solution.



### Superior LED Light Circuit Technology

- High-Performing Flexible Circuits
- Reel and Trim Capability
- Superior Heat Dissipation
- Exceptional Performance at Low Cost

©2020 MetroSpec Technology, LLC. All rights reserved. FlexRad® is a registered trademark of MetroSpec Technology. Products are covered by U.S. Patent Nos. 7,980,863; 8,007,286; 8,143,631 and others. Please refer to FlexRad.com. Additional patents are pending.



**Made in the U.S.A.**  
using highest quality LEDs.