

# FlexRad®

## Superior LED Light Circuit Technology

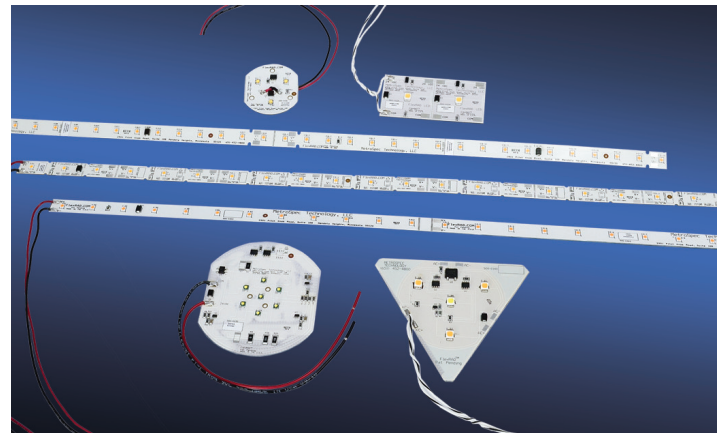
FlexRad® technology is designed specifically for the lighting industry. Fixture manufacturers are able to quickly and economically design customized LED fixtures using field-proven, high-quality FlexRad solid state lighting technology. MetroSpec Technology patents establish FlexRad as the simplest high output, and most cost-effective continuous LED light source in the market.

### HIGH-PERFORMING FLEXIBLE LIGHT CIRCUITS

Field-proven designs provide the greatest output and efficiency at the smallest sizes. Superior heat dissipation allows for higher wattage LEDs—resulting in significantly higher light output without sacrificing product life. With fewer limitations, we are able to design a variety of specialty shapes that can be cut and contoured to perfectly fit the size of fixtures.

### REEL AND TRIM CAPABILITY

High-wattage, flexible, reel and trim packaging technology allows for customization of longer, continuous circuit lengths. Faster installation is possible with advanced peel-and-place thermal adhesive. A reliable, permanent installation results in lower maintenance and fewer returns. FlexRad circuits are available for customized or standard applications in continuous reels, strips, pucks, or arrays designed specifically for LEDs.

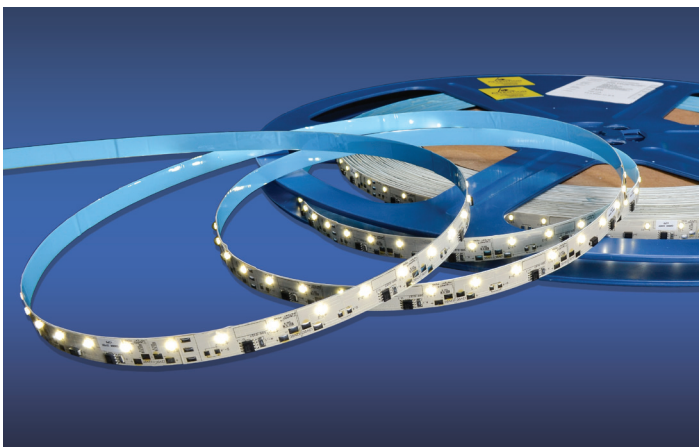


### SUPERIOR HEAT DISSIPATION

Uniform surface contact between the heat sink and emitter, along with excellent thermal adhesive attachments, provides extremely effective dissipation of heat—resulting in cooler LEDs. FlexRad's high thermal performance guarantees the only high-intensity flexible linear LED light circuit capable of high output in today's market.

### EXCEPTIONAL PERFORMANCE AT LOW COST

FlexRad lighting solutions provide higher light output performance over earlier metal clad and FR4 solutions. More electrical current can be driven through FlexRad circuits—intensifying light output dramatically without compromising product life. No need for board-to-board connections, wires, or fasteners. Because FlexRad is made to exact fixture requirements, there is no extra cabling, no waste and no extra assembly—reducing costs.





## 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 almost a decade, MetroSpec has been providing lighting OEMs with the finest LED technology, products, 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 products quickly is one of our strongest attributes. We understand the urgency of orders and the need for quick product 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 products every step of the way. Private label LED designs and 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 almost 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

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