

FlexRad®  
HASHTAG™ #

## Cut-to-Shape Uniform Light Grid

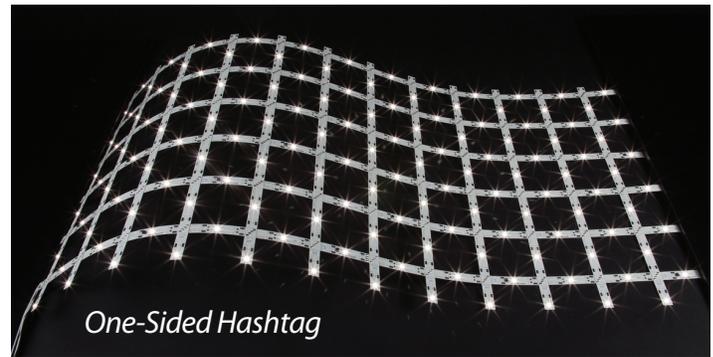
FlexRad Hashtag™ is a grid system of circuits providing a uniform distribution of light. Hashtag provides more light with less material making it very cost effective and it is much easier to install than wiring multiple boards together over a large area. The end result is even illumination without being constrained by length or width.

### Seamless Approach to Custom-Sized Light Fixtures

Hashtag enables light levels, color uniformity, and efficiencies needed for the most demanding large area LED applications. This unique grid system can be sized exactly for the fixture and can be cut into any shape. Hashtag can effectively fill square and round fixtures, channel letters, or almost any shape with even light distribution. It offers different configurations to be more economical and to better fit your needs. The LEDs can be fully populated or half-populated on one side or both sides. Two-sided Hashtag is constructed to direct light in opposite directions for two-sided illumination and has the same simplicity of installation and low cost of the single-sided version. This versatility allows Hashtag to be an effective solution for several fixture applications.

### Simple Installation and Reduces Inventory

Hashtag eliminates fasteners, connectors, cables, sockets, and in some cases, entire heat sinks, dramatically simplifying and reducing manufacturing costs, and allows you to create various shapes from the same continuous uniform stock. Hashtag eliminates the need to stock different circuits and boards to fill diverse customer orders. It can be delivered to you in pre-cut shapes and sizes to fill your fixture, which reduces both waste and time during production.



### Quality and Versatility

FlexRad's proven record of quality and performance combined with the versatility of Hashtag make this a very reliable solution to fill large areas with evenly distributed light. Hashtag is easy to install and incorporate into your production process. Hashtag brings a simplification to your fixture and your process that helps you win more projects.



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

Shapes	Architectural
Drum Fixtures	Commercial
Large Area Fill	Retail
Backlighting	Hospitality
Signage	Entertainment
Channel Letters	Direct and Indirect



## 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, 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 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

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