



## Dual Projection - Single LED Source

### LEDs Populated on Both Sides of Circuit

FlexRad's enhanced engineering allows emitters to be populated on both sides. This innovative design positions LEDs on each side of our FlexRad® circuitry, while still keeping the thermal adhesive advantage. DualDirect® gives you full control with high power emitters to illuminate both sides of your fixture with a single light source.



### Projects Light in Opposite Directions

DualDirect was designed to provide a single circuit that casts light in opposite directions. This fully functioning layout gives you one light engine to populate many fixture styles that project up/down, front/back or direct/in-direct. Whatever your needs are for a dual light source, FlexRad delivers.

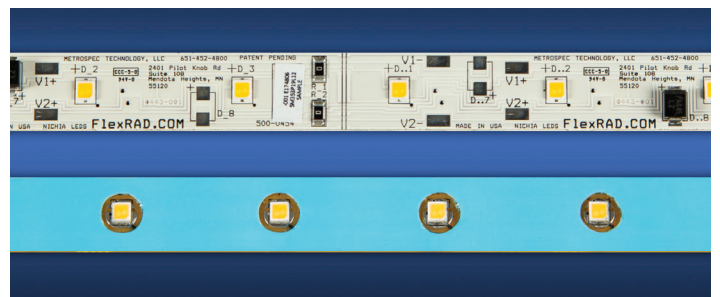


### Two-Channel Circuit / Separately Controlled

This two-channel circuit is engineered on one substrate providing full control to power each side as desired. When wired to a two-channel driver and controller of your choice, the output levels are easily adjustable.

### Cost Effective Solution for Dual Direction Lighting

DualDirect offers a unique solution that reduces inventory with two circuits in one. The assembly time is quick and simple by installing one light engine rather than two. DualDirect was designed to save you time and money. FlexRad minimizes inventory and installation time, and maximizes your efficiency.



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

Direct / Indirect

Commercial / Office

Slot

Architectural

Accent

Aesthetic Commercial

Sconce

Hospitality

Wall Wash

Entertainment



## 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

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