

Trusted Manufacturer of Patented FlexRad® High-Intensity Light Circuits

MetroSpec Tehnology® manufactures custom FlexRad LED light circuits exclusively for light fixture manufacturers needing the best efficiency, highest reliability, and most cost-effective solutions.

Partnership

Metrospec Technology is more than a supplier. We consider ourselves a partner in your campaign to win more projects. Our ability to quickly design a new circuit combined with the flexibility and numerous design options FlexRad offers will enable you to customize your fixtures to meet the needs of almost any project.

Speed and Efficiency

We understand the urgency of orders and the need for quick product delivery. Because we maintain a complete inventory of critical components, MetroSpec is able to fulfill custom orders to exact specifications on a timely basis.

Customers Control Their Own Designs

Our customers have complete control over their products. Private-label LED designs and LED light sources are never discontinued or changed without direction.

Strong Stable Supplier

MetroSpec has been producing high quality circuits in the LED industry for over a decade. Our manufacturing plant has increased significantly in size and we have added several new patents. MetroSpec continues to increase its market share in the architectural market.

Cut2FIT™

*Cutable, High-Output
LED Light Source*

LUXEDGE™

*Powerful, Ultra-Thin,
Flexible LED Circuit*

2TONE™

*Tunable White Application
Multiple Color Options*

HASHTAG #™

*Large, Cutable Area Fill
Even Light Distribution*

T·LINEAR™

*Cost-Effective
Fluorescent Replacement*

DUALLY™

*Over 5,000 Lumens Per Foot
Bi-Level Switching*

WAVE™

*Curved Solution
Pairable with Linear*

FreeAir™

*Heatsinkless, Trimmable
Tube Replacement*

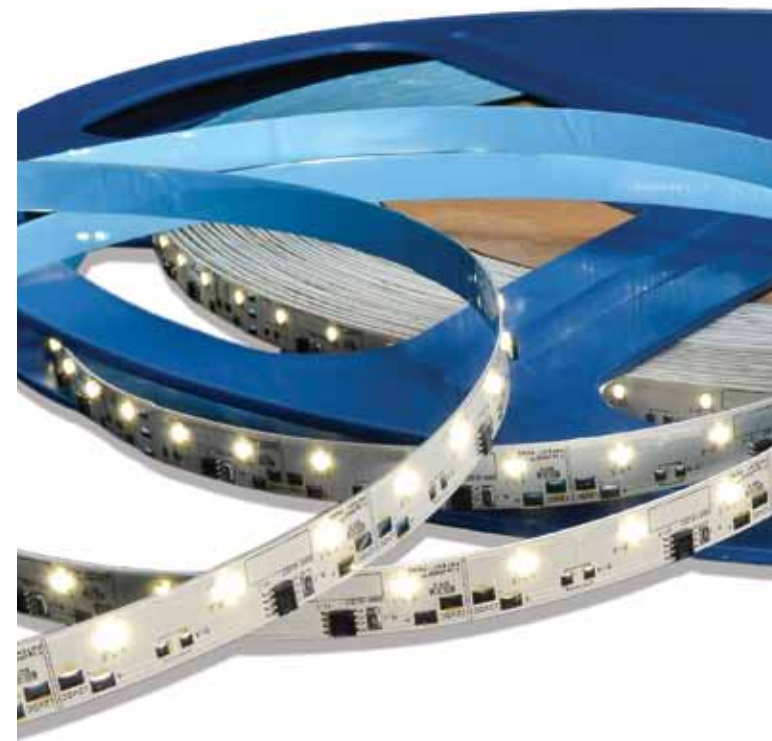
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FlexRad®

Superior LED Light Circuit Technology



*High-Performance, Flexible Circuits
Superior Heat Dissipation
Reel and Trim Capability
Patented, Private-Label, Custom Designs*

Reliability

Our industry leading seven-year warranty is a testament to the fact that a FlexRad circuit is one of the most reliable light engines available in the market today. Our seven-step inspection process results in near zero defects year after year. Our circuits are designed with TVS protection which provides defense against Electrostatic Discharge (ESD) during the assembly process and helps with diagnosing issues in the field.

Expertise

Our staff of experienced engineers can guide you through the complicated process of circuit design. Our experience allows us to provide advice and recommendations based on tried and true practices. You will make the final decision on the circuit, but our support is always there if needed.

Performance

A FlexRad circuit is capable of producing nearly twice the light with a circuit that is less than half the width of a standard FR4 board. Combined with our unique ability to dissipate heat, you can design a high performing fixture with a smaller and narrower heatsink, saving costs and improving fixture aesthetics.

Training

MetroSpec provides training on the proper installation method of FlexRad circuits and recommended soldering techniques. Training sessions cover several topics including handling, installation and inspection suggestions to help your team become efficient at producing fixtures more quickly than other solutions.

Made in America

FlexRad circuits are "Made in the U.S.A." with highest quality LEDs. We have a newly expanded main manufacturing facility and an alternate facility north of the Twin Cities.

*Architectural • Commercial/Office
Industrial • Retail • Hospitality*

Exclusively for Light Fixture Manufacturers

MetroSpec Technology® offers a comprehensive selection of FlexRad® product solutions:

Cut2FIT™

- Customizable fixture lengths
- Uniform end-to-end light source
- Continuous lengths eliminate connectors and wiring
- Excellent dimming control
- Slot, Task, Cove, Rail, Under Cabinet

LUXEDGE™

- Powerful ultra-thin LED light circuit
- Impeccable uniformity of light
- Precise fit into any fixture
- Simple and reliable installation
- Signage, Commercial/Office, Hospitality, Retail, Entertainment, Architectural

T·LINEAR™

- No fasteners, harnesses or connectors
- Replaces two T5HO with one strip
- Instant-on lighting with no flickering or dimness
- 70% more focused light at 110 degrees
- Task, Troffer, Retrofit Kits, High Bay, Any T5 or T8

FreeAir™

- Self-cooling, no heat sink needed
- Easy installation and replacement
- Cuttable for great fit and performance
- Lowest cost, ultimate design simplicity
- Cove/Under Cabinet, Pendant/Sconce, Troffer, Slot

FlexRad®

Superior LED Light Circuit Technology

FlexRad® technology is designed specifically for the lighting industry. Fixture manufacturers can quickly and economically design custom 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 linear LED light source on the market.

High-Performing Flexible Light Circuits

FlexRad field-proven designs provide the greatest output and efficiency in the smallest sizes when compared to other light engines available in the marketplace. High wattage capacity is achieved in half the width of other technologies. FlexRad can help move you toward today's trend of smaller and narrower fixtures.

Reel and Trim Capability

High-wattage, flexible, reel and trim packaging technology allows FlexRad to be cut at individual circuit lengths to longer, continuous lengths. FlexRad circuits are available for customized or standard fixture applications shipped in custom lengths, full continuous reels or as pucks and arrays. One circuit design cut to any length can fulfill your needs to fit any number of fixtures.

Superior Heat Dissipation

FlexRad's thermal adhesive provides uniform surface contact between the heat sink and emitter allowing superior heat dissipation. Longer emitter life provides lasting fixtures installed in the field.

Exceptional Performance at Low Cost

FlexRad lighting solutions deliver higher light output performance compared to earlier metal-clad and FR4 solutions. Light output is intensified dramatically without compromising product life as more current can be driven through our design. FlexRad's unique patented design allows you to trim your circuit to almost any length eliminating the need for board-to-board connectors, wires or fasteners. Fewer components combined with a more efficient installation process will reduce your assembly costs.

Versatility

Developing a circuit with FlexRad gives you flexibility with numerous design options. Each order can be configured differently to meet specific needs. FlexRad can be placed on a reel that can be cut to length. Circuits can also be pre-configured with wires or connectors. One circuit designed with FlexRad gives you the option of using different CCTs or CRIs, and can also accommodate static colors for special projects. A single, well-designed FlexRad circuit can be implemented into numerous fixtures saving you time, money and space.

HASHTAG™

- Cut-to-shape, uniform light grid
- Continuous grid system eliminates connectors & wires
- Fill large areas with consistent, even light distribution
- Quicker and simpler installation
- Drum Fixtures, Large Area Fill, Signage, Shapes

2TONE™

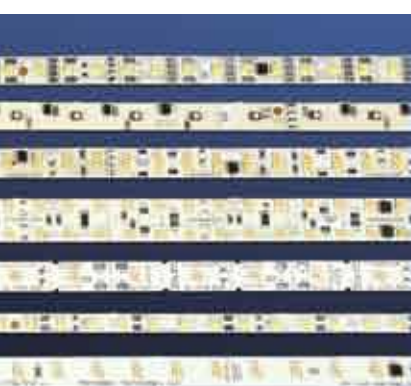
- Tunable white application
- Expand on existing product lines
- Increase product value
- Multiple color options from one circuit
- Architectural, Slot, Cove, Hospitality

DUALY™

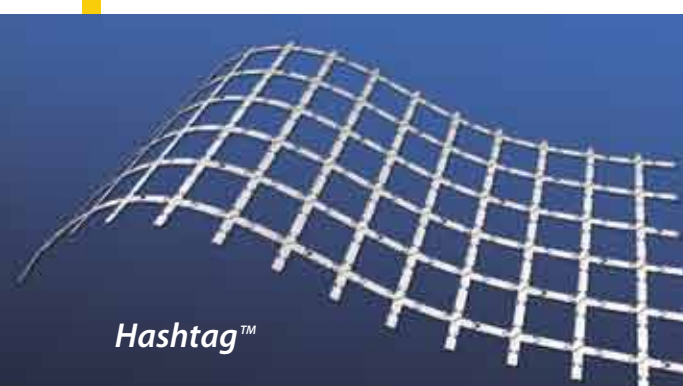
- 5,000 lumens per foot
- Powerful and easy to install
- Bi-level switching reduces costs
- Reduced inventory and installation time
- High Bay, Wall Packs, High-Output Indirect

WAVE™

- Curvilinear solution
- Able to fill unique patterns and shapes
- Wide range of arc options available
- Can be paired with linear solutions
- Sconces, Residential, Architectural, Shapes



Static Color
RGB
2Tone™
Dually™
Cut2Fit™
LuxEdge™
TLinear™



Hashtag™

Pucks



Wave™



Peel and place
simplicity.

