

## Ribbon X3 Triple-Bright RGB Strip

### Key Features



Triple LED Rows



Translucent Sheathing



Low Profile



Flexible Silicone Jacket



Full-color RGB pixels



Dust- and Waterproof



12 Month Warranty



### Many Applications

- Special Effects
- Light Shows
- Signage
- Trade Shows
- Retail Interiors
- Concerts and Events
- Decorative Elements
- Architectural Accents

### Further Reading

Visit us online for the most up-to-date product information:

[www.VividRGBLighting.com](http://www.VividRGBLighting.com)

### Introducing Ribbon X3

The RGB **Ribbon X3** is a high quality, triple-bright LED light strip flexible enough for both interior and exterior areas. This flexible multi-color LED strip boasts three times the brightness of our RGB **Ribbon X1** and features a waterproof silicone jacket that insulates the internal components from splashing water and dust.

Whether you are looking to back light frosted panels or jazz up your signage, the flexibility of **Ribbon X3** is unmatched and easily controlled by almost any DMX controller.

### Let us prep it for you!

Please feel free to chat with one of our engineers and discuss the best way to plan your project. Additionally, Vivid RGB Lighting offers full turnkey preparation services to take the guess work out of your install.



## Ribbon X3 Triple-Bright RGB Strip

### Connectors

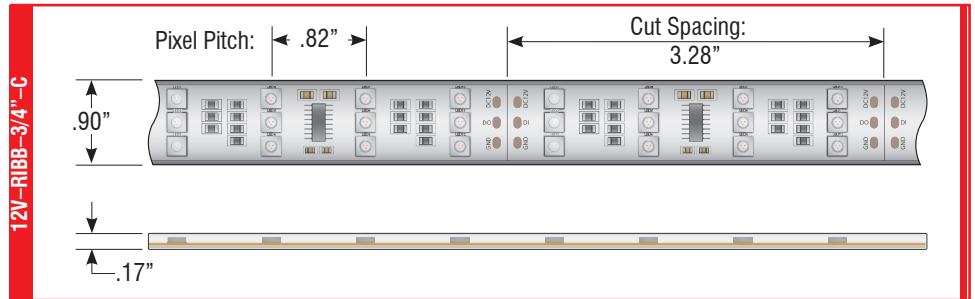
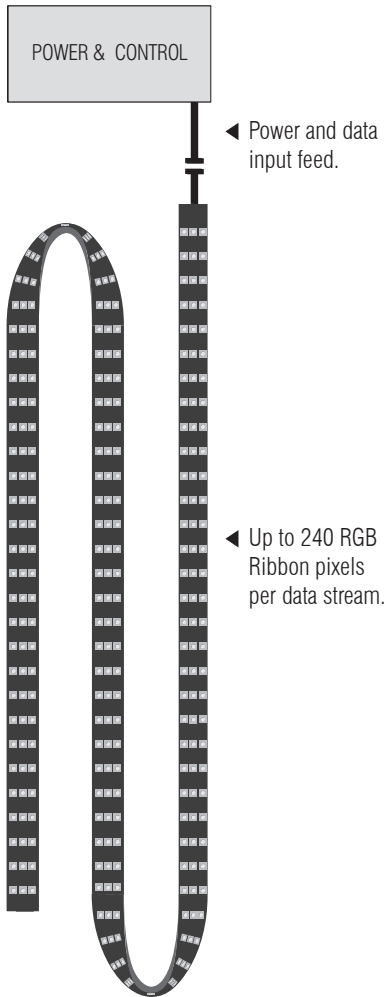
Several connector options available and are determined on a per project basis, please contact Vivid RGB Lighting to discuss.

### Standard Configuration Part Order No. RX3-48-5

Each strip consists of 240 individually-controllable LED pixels, with integrated power and control cable. A White PCB mounted in a silicone jacket with black input cable. Connectors and cables TBD per project.

RX3-48-5 requires power feed from both ends for full performance.

### System Overview



### Technical Specifications\*

OUTPUT	LUMEN MAINTENANCE	50,000+ hours
	LED CHANNELS	Red, Green, & Blue
	GRAYSCALE	256, 8-bit
ELECTRICAL	INPUT VOLTAGE	12V DC
	POWER	.40W / pixel
CONTROL	INTERFACE	1-Wire 1804
	CONTROL SYSTEM	Full range of controllers available, or third-party controller
PHYSICAL	TEMPERATURE RANGES	-20°C – 50°C / -4°F – 122°F
	HUMIDITY	Any
SAFETY	ENVIRONMENT	Dry & damp, water resistant; IP66

\*Due to continuous improvements and design innovations, specifications subject to change without notice.

### Build-to-Order Configurations

Minimum Order Quantity: 100 feet per configuration  
 Production Lead Time: 8 weeks after receipt of order

Custom options:

- Pixel count per string, specific to your design
- Pixel pitch and spacing
- Black or white circuit board, housings, and/or wire colors
- Other options upon request, call for more information



## Ribbon X3 Triple-Bright RGB Strip

### Typical Wiring Instructions

Input cables connect to controller & power supply and provide a common ground between them.

Extension cables extend distances between components.

End caps provide a waterproof termination at the end of each string.

### RX3 Ribbon Strip Power

\*Use total watts to determine necessary power supply capacity.

\*Maximum power draw is .4 W per pixel at 12 V DC.

PIXELS	AMPS @ 12V	TOTAL WATTS	
	0.03 A	.40 W	← SINGLE LED
12	0.37 A	4.25 W	
	0.75 A	8.50 W	
48	1.45 A	17 W	
	2.95 A	35 W	
168	5.00 A	60 W	← ONE UNIVERSE
	7.10 A	85 W	← ONE FULL STRIP
336	10.00 A	120 W	← TWO UNIVERSES
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	14.20 A	170.00 W	← TWO STRIPS
720	21.25 A	255.00 W	← THREE STRIPS
	28.40 A	340.00 W	← FOUR STRIPS

**NOTES**  
 Figures in this chart allow for **5% headroom**.  
 Typical per-pixel wattage is **.35 W**.

**IMPORTANT**  
 Keep the power supply as close as possible to the strips to minimize voltage drop. Excessive voltage drop will cause color shift and/or intermittent operation.

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