

Ribbon X3 UltraBright 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

Introducing Ribbon X3

The RGB Ribbon X3 is a high quality flexible LED light strip designed for both interior and exterior areas. This flexible multi-color LED strip features a waterproof silicone jacket that fully protects the internal components from splashing water and dust.

RGB Ribbon X3 can be easily controlled from any DMX controller and with different LED spacing options, providing you with smooth and even lighting for your next project.

RGB Ribbon X3 is a versatile product that can be installed almost anywhere, due to its minimal size and flexibility. Installation of the RGB Ribbon is quick and easy. Simply use double-sided tape or mounting clips to secure the strip to the preferred location and it's done.



Ribbon X3 UltraBright RGB Strip

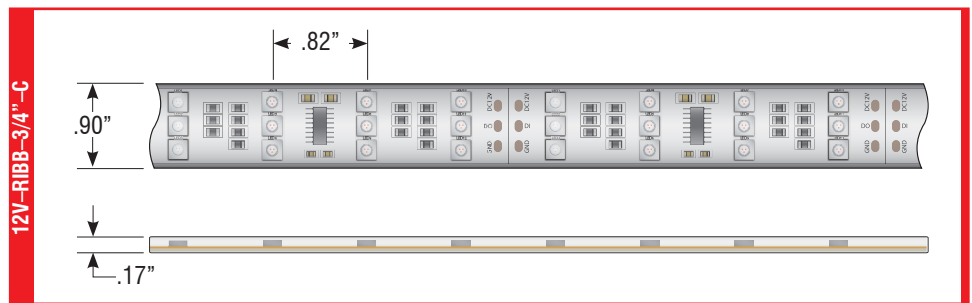
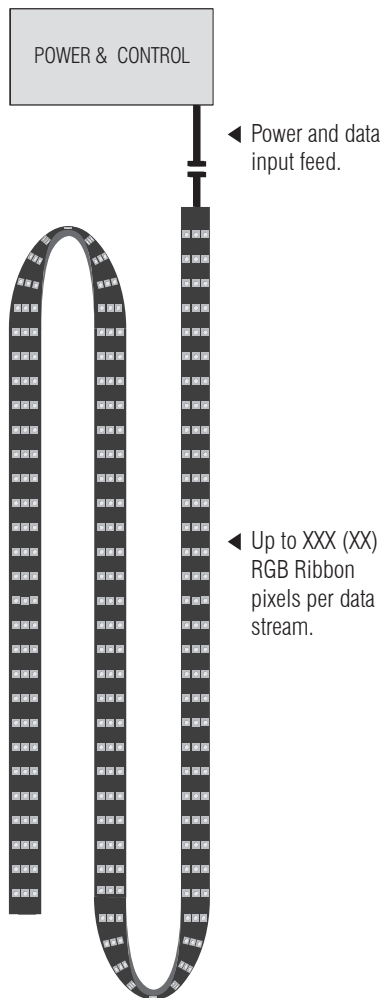
TBD

Standard Configuration Part Order No. RX3-40-5

Each strip consists of 21 individually-controllable LED pixels, with integrated power and control cable. A White PCB mounted in a black housing with black wire at 12" on-center pixel spacing, 22' overall length. Connected strings maintain even pixel spacing.

RX3-40-5 requires power feed from both ends.

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 DMX512
	CONTROL SYSTEM	Full range of controllers available, or third-party DMX 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
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



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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.

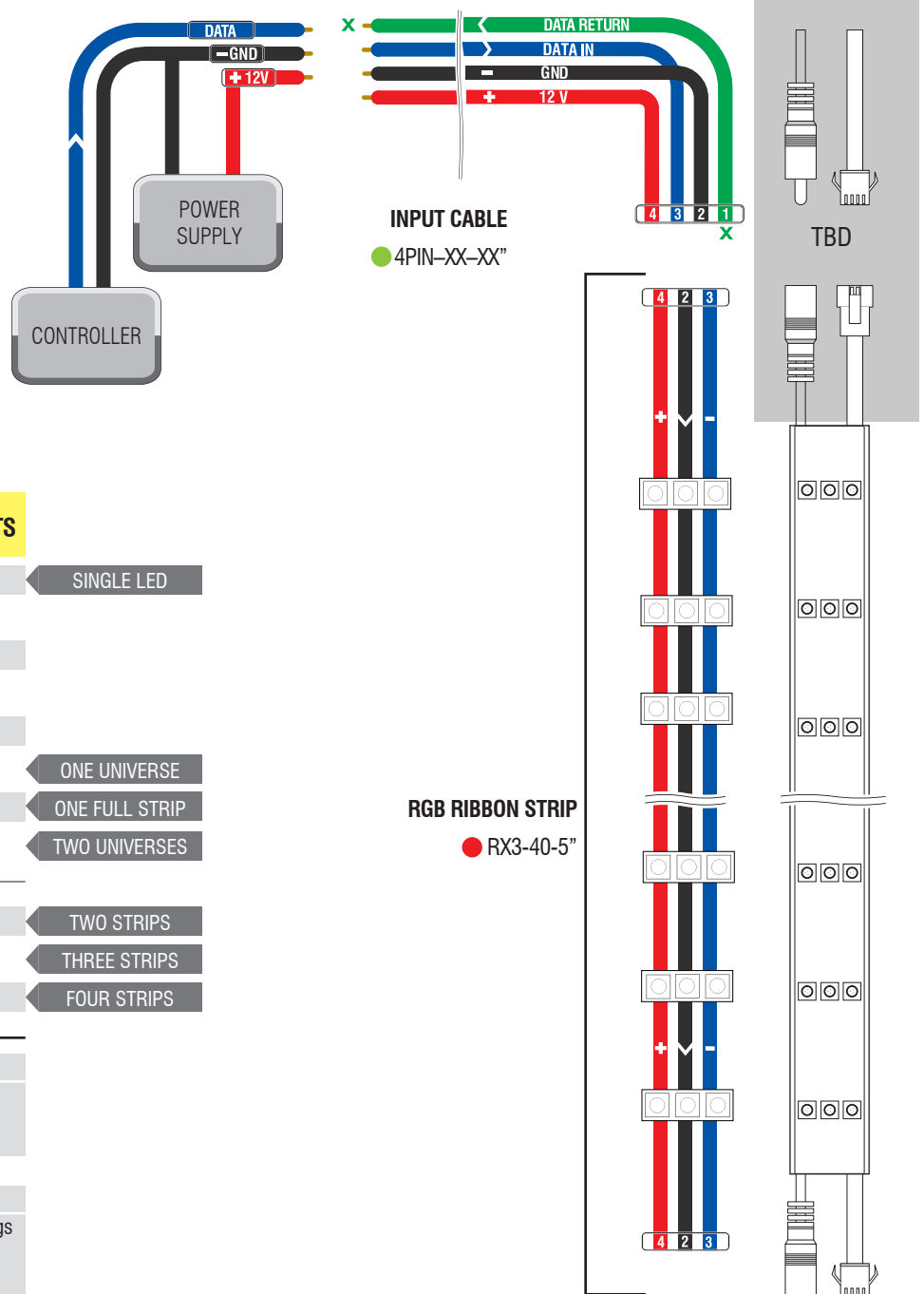
PIXELS	AMPS @ 12V	TOTAL WATTS	
1	0.03 A	.40 W	← SINGLE LED
12	0.37 A	4.25 W	
24	0.75 A	8.50 W	
48	1.45 A	17 W	
96	2.95 A	35 W	
168	5.00 A	60 W	← ONE UNIVERSE
240	7.10 A	85 W	← ONE FULL STRIP
336	10.00 A	120 W	← TWO UNIVERSES
<hr/>			
480	14.20 A	170.00 W	← TWO STRIPS
720	21.25 A	255.00 W	← THREE STRIPS
960	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 strings to minimize voltage drop. Excessive voltage drop will cause color shift and/or intermittent operation.



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