

Key Features

Double Sided Lighting

5/8in 15.9mm

Thin Housing



Translucent Tube



Encased Electronics



Full-color **RGB** pixels

Dust- and



Waterproof 24 Month



Warranty



Many Applications

- Theater and Concert Stage Elements
- Trade Shows
- Interior and Exterior Architecture
- Themed Environments
- Nightclubs
- · Museums and Art Installations
- TV Production
- Holiday Light Shows

Further Reading

Visit us online for the most up-todate product information:

www.VividRGBlighting.com

TuboRGB Rigid RGB Pixel Tube



Introducing TuboRGB

TuboRGB is a sleek performer, featuring full 360° visibility of 16 individually addressable RGB pixels. With 32 surface mounted LEDs packed into each crystal clear tube, TuboRGB is ready to rocket colors across your next project. Hang them in formation for an instant double sided screen or randomly for dynamic full color effects. Mount them at any angle and in any pattern to create completely new displays.

Fortified against the elements, TuboRGB is set to sparkle indoors or out and at less than 5/8" in diameter, it virtually disappears.

More than just pretty pole, TuboRGB is ready to add sparkle to your next event!



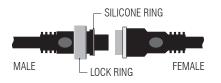


(1) 718.635.0817

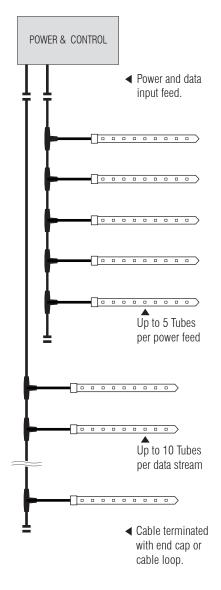


Connectors

4-pin keyed aviation-style connector with weathertight lock ring.



System Overview



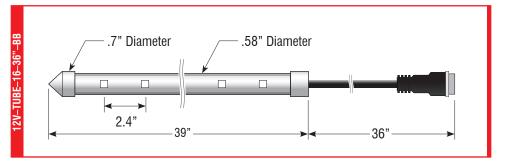
TuboRGB Rigid RGB Pixel Tube

Standard Configuration Part Order No. TUBE-16-36"-BB

Each module consists of a .58" diameter tube, 39" long with 16 pairs of RGB LEDs. A 36" black cable with integrated power and control terminated with a 4-pin connector.

Use with T-Connector cables (4PIN-5TC-36").

Crystal clear housing, sealed for maximum fixture life and IP66 rated for outdoor applications.



Technical Specifications*

OUTPUT	LUMEN MAINTENANCE	50,000+ hours
	LED CHANNELS	Red, Green, & Blue
	GRAYSCALE	256, 8-bit
ELECTRICAL	INPUT VOLTAGE	12V DC
	POWER	8.00W / Tube
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, wet locations; IP66

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

Build-to-Order Configurations

Minimum Order Quantity: Production Lead Time:

20 tubes per configuration 8 weeks after receipt of order

Custom options:

- · Tube length
- · Pixel spacing / density
- Cable length
- · Cable color-black, white, and clear.
- · 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.

TUBES

2

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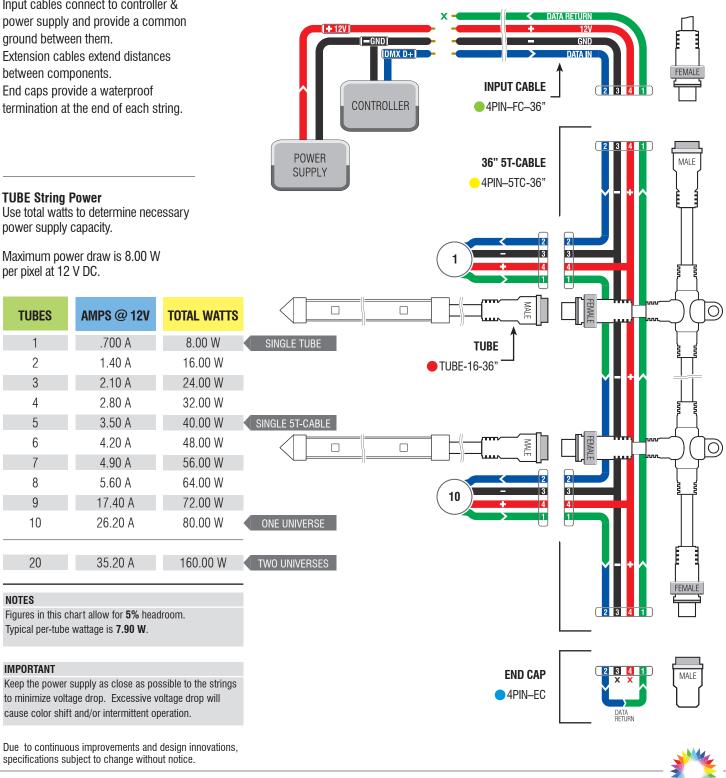
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NOTES

IMPORTANT

TuboRGB Rigid RGB Pixel Tube





System Accessories

& Part Numbers

System Input Cable

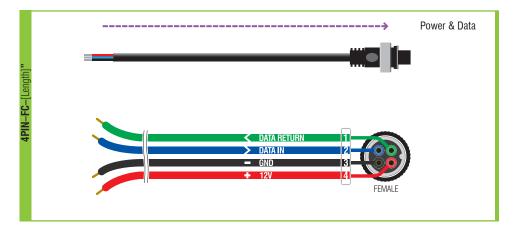
Bare ends connect to controller and power, female end connects to strings.

Stock:

4PIN–FC–36" Custom lengths available.

TuboRGB Rigid RGB Pixel Tube

TUBE is a **12-Volt** system, compatible with **4-pin** accessory cables and products. Please contact customer support with product compatibility concerns.



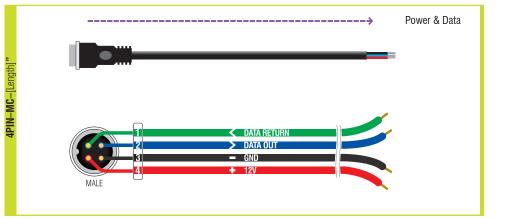
System Output Cable

Male end connects to end of strings, bare ends provide data and power output from system.

Stock:

4PIN-MC-36"

Custom lengths available.







TuboRGB Rigid RGB Pixel Tube

End Caps

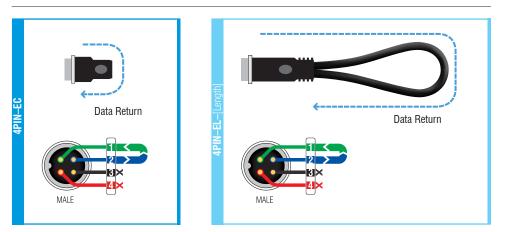
Seals cable end with a water tight termination and returns data stream to beginning of string. Available in simple cap or cable loop for easy hanging.

Stock:

4PIN-EC

4PIN-EL-5"

Custom loop lengths available.





Allows for power to be input between strings on same data stream.

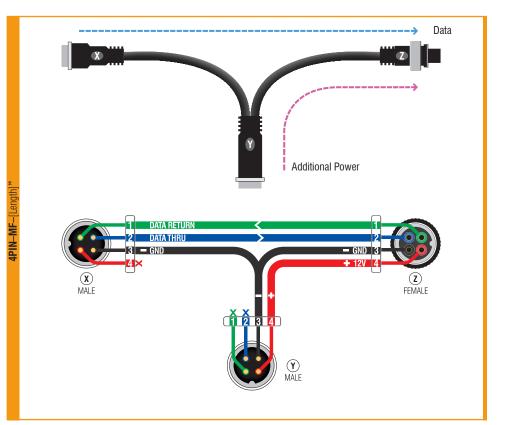
S	to	ck:

4PIN–MF–9"	
4PIN-MF-12"	
O	

Custom lengths available.

X: Data input from previous string

- $\textbf{Y:} \ \textbf{Additional power input}$
- Z: Power and data output to next string(s)



NOTES

Numbers refer to labeled pins in connectors.

5





V-Cables

Allows strings to be used in parallel on the same power and data stream.

Stoc	k:

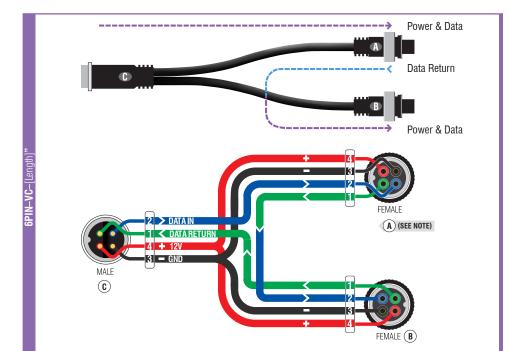
6PIN-VC-9"	
6PIN–VC–18"	
6PIN-VC-60"	
Custom lengths available.	

A. Output to first string assusses

A: Output to first string sequence (SEE NOTE)B: Output to second string sequenceC: Power and data input

NOTE

The last string of the **A** output of the V-Cable *must* have an end cap (**6PIN–EC** or **6PIN–EL**) installed for data to return to the **B** output. If the strings attached to **A** are disconnected, data will not return and be sent to **B**.



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T-Connector Power Input

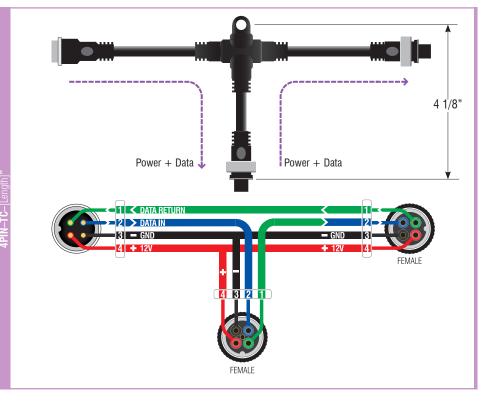
Allows for power and data to be sent to each module.

Stock:

4PIN-TC-6" *

Custom lengths available.

*Shipping November 2013





NOTES

Numbers refer to labeled pins in connectors.



T-Connector Power Input Allows for power and data to be sent

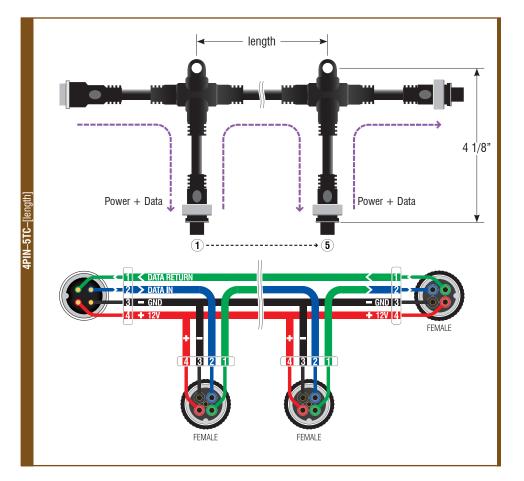
to each module.

Stock:	
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4PIN-5TC-36"

Custom lengths available.

TuboRGB Rigid RGB Pixel Tube



NOTES

Numbers refer to labeled pins in connectors.

Custom / Build-to-Order

All cables and accessories may be custom designed for your project.

Important Note

Our systems use 3-, 4-, and 6-PIN connectors for different control data and power voltages. **Please do not interconnect.**





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