







## Pixel360° Omnidirectional Inline RGB LED Pixels

### Key Features

-  360° Viewing Angle
-  Fully overmolded clear or frosted enclosures
-  Full-color RGB pixels
-  Interconnected strings maintain 8" spacing
-  Dust- and waterproof
-  Built to CE, UL, ETL and RoHS Standards
-  24 month warranty
-  Easy Installation and Maintenance
-  International Patent Pending

### 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-to-date product information:

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



### Introducing Pixel360°

Vivid RGB Lighting presents Pixel360°, an omnidirectional, DMX controlled RGB spherical inline pixel product. Pixel360° is dustproof and durable in all weather applications. The waterproof pixel enclosures are made of solid thermoplastic rubber. The internal RGB LEDs are capable of displaying over 16 million colors using your existing DMX controller!

**Its flexibility of design will give life to your creativity.**

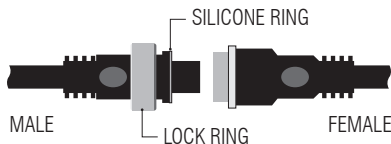
Pixel360° has limitless applications in architectural and entertainment design and is constructed to the highest specifications. The flexible nature of the system capability gives rise to spectacular new possibilities in two and three dimensional lighting design.



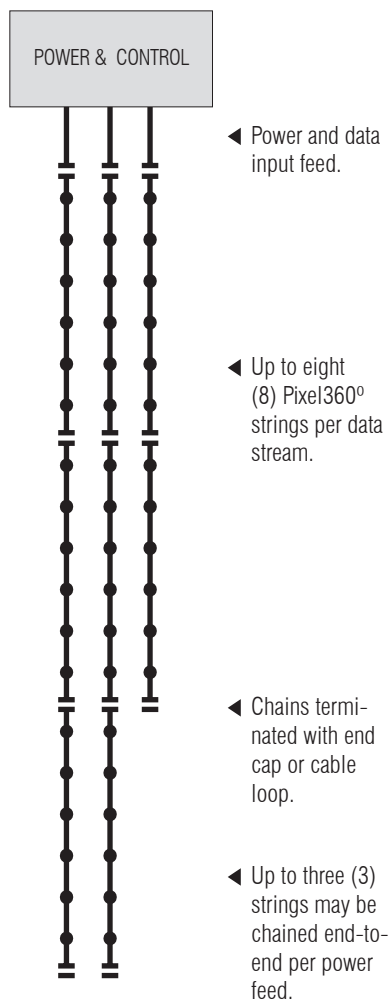
## Pixel360° Omnidirectional Inline RGB LED Pixels

### Connectors

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



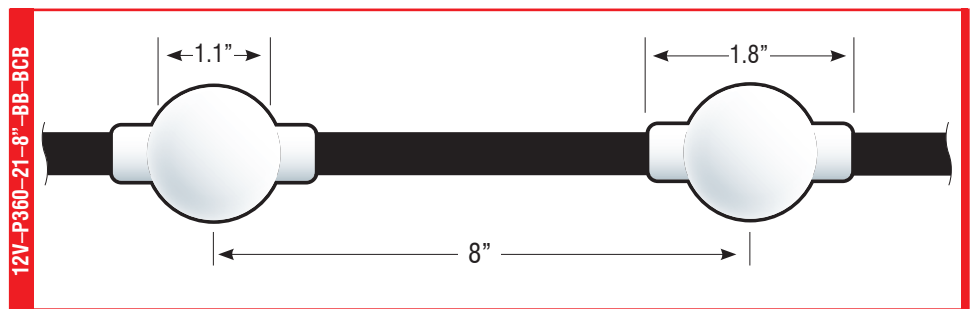
### System Overview



### Standard Configuration Part Order No. P360-21-8"-BB-WCW

Each string consists of 21 individually-controllable LED pixels, with integrated power and control. Black wire with 8" on-center pixel spacing, 14' overall stock length. Connected strings maintain even pixel spacing.

Opaque white TPE pixel enclosures, fully 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	0.67W / 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, wet locations; IP66

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

### Build-to-Order Configurations

Minimum Order Quantity: 200 pixels per configuration  
 Production Lead Time: 8 weeks after receipt of order

Custom options available for:

- Pixel count per string, specific to your design.
- Custom opacity, or clear iridescent enclosures
- Cable length and spacing.
- Cable color—black, white, and clear.
- Other options upon request, call for more information.



### 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.

### Pixel360 String Power

Use total watts to determine necessary power supply capacity.

Maximum power draw is 0.7 W per pixel at 12 V DC.

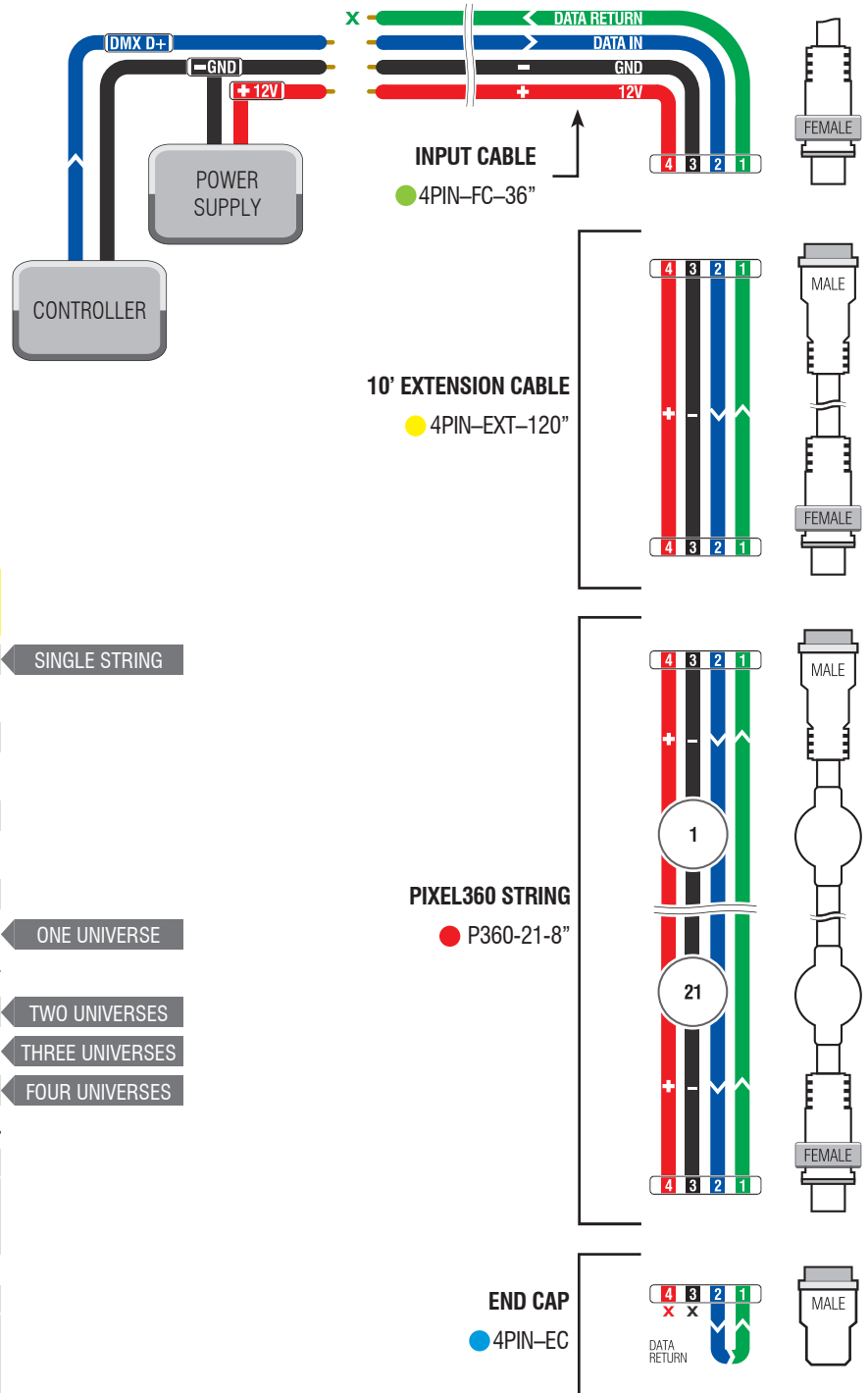
STRINGS	AMPS @ 12V	TOTAL WATTS	
1	1.25 A	15.00 W	← SINGLE STRING
2	2.50 A	30.00 W	
3	3.75 A	45.00 W	
4	5.00 A	60.00 W	
5	6.25 A	75.00 W	
6	7.50 A	90.00 W	
7	8.75 A	105.00 W	
8	10.00 A	120.00 W	
<hr/>			
16	20.00 A	240.00 W	← TWO UNIVERSES
24	30.00 A	360.00 W	← THREE UNIVERSES
32	40.00 A	480.00 W	← FOUR UNIVERSES

### NOTES

Figures in this chart allow for 5% headroom.  
 Typical per-pixel wattage is **0.67 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.



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



## Pixel360° Omnidirectional Inline RGB LED Pixels

### System Accessories & Part Numbers

#### System Input Cable

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

Stock:

**4PIN-FC-[Length]"**

Custom lengths available.

#### System Output Cable

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

Stock:

**4PIN-MC-[Length]"**

Custom lengths available.

#### Extension Cables

Through extension of all pins.

Stock:

**4PIN-EXT-60"**

**4PIN-EXT-120"**

**4PIN-EXT-300"**

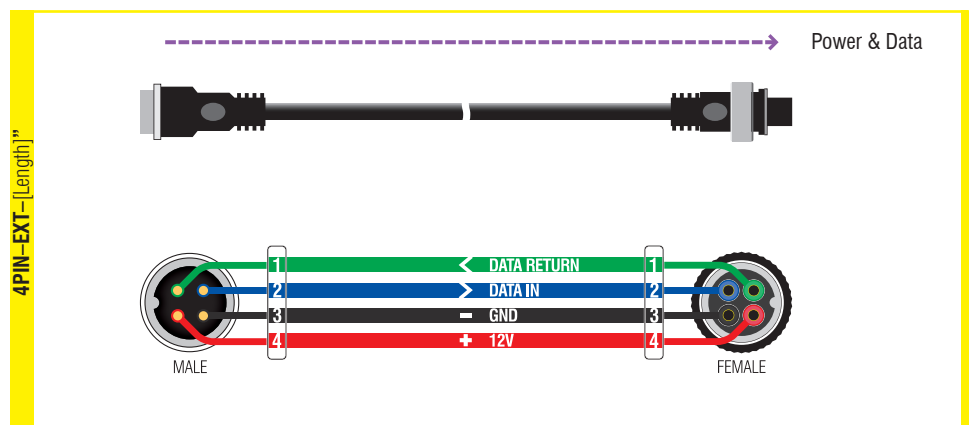
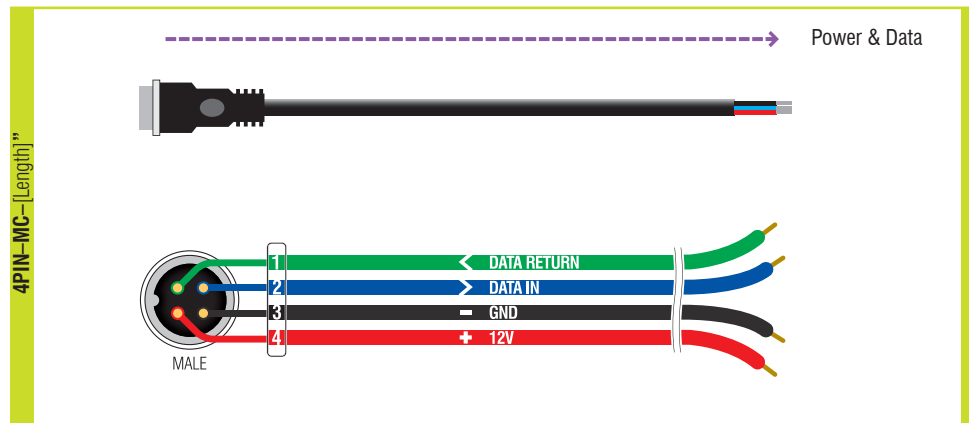
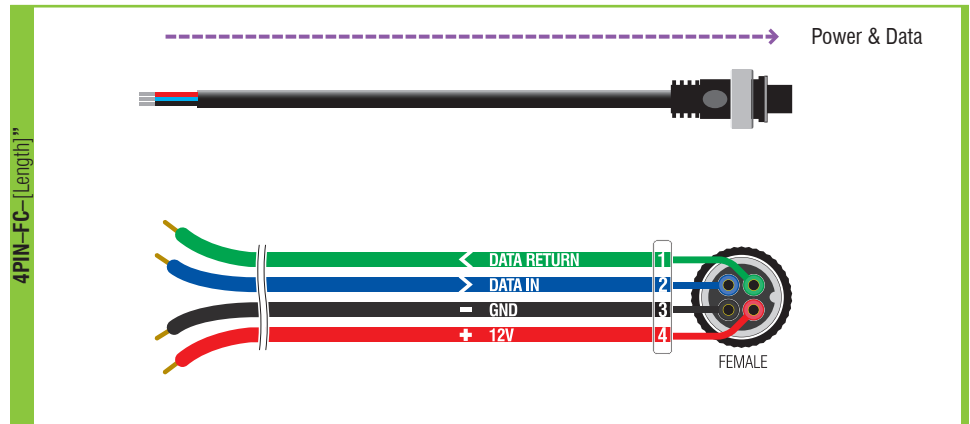
That's 5, 10 & 25 Feet.

Custom lengths available.

#### NOTE

Numbers refer to labeled pins in connectors.

Pixel360° is a **12-Volt** system, compatible with **4-pin** accessory cables and products. Please contact customer support with product compatibility concerns.



## Pixel360° Omnidirectional Inline RGB LED Pixels

### End Caps

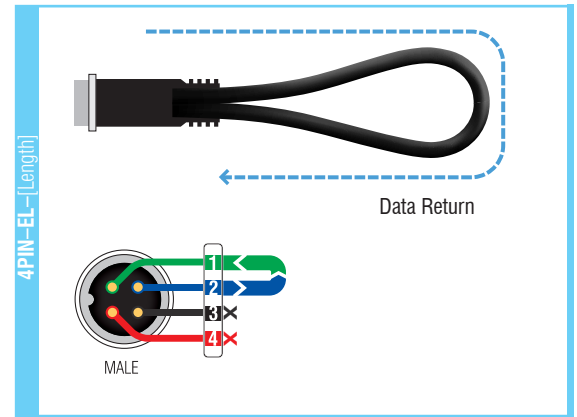
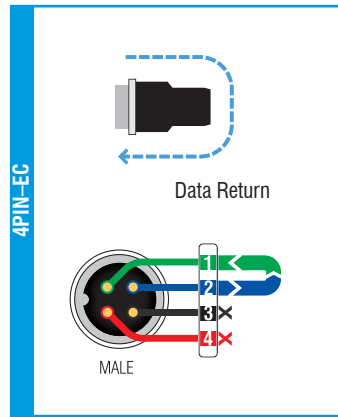
Seals cable end with a water tight termination and returns data stream to beginning of string.  
Available in simple cap or cable loop for easy hanging.

Stock:

4PIN-EC

4PIN-EL-5"

Custom loop lengths available.



### V-Cables

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

Stock:

6PIN-VC-9"

6PIN-VC-18"

6PIN-VC-60"

Custom lengths available.

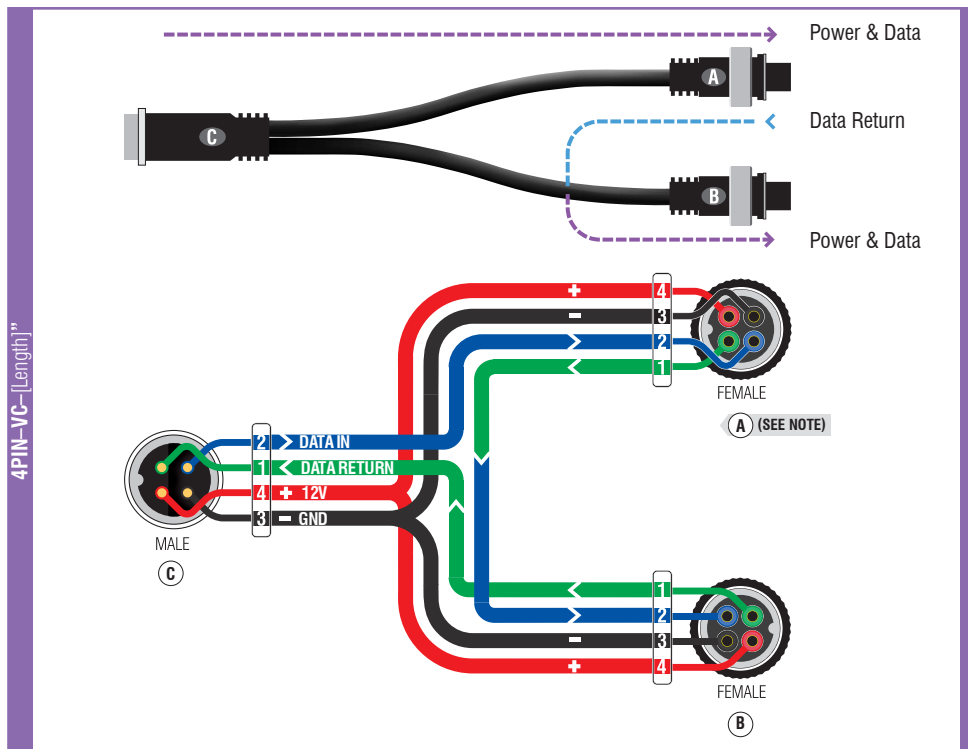
**A:** Output to first string sequence (SEE NOTE)

**B:** Output to second string sequence

**C:** Power and data input

#### NOTE

The last string of the **A** output of the V-Cable *must* have an end cap (4PIN-EC or 4PIN-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**.



### 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.**



## Pixel360° Omnidirectional Inline RGB LED Pixels

### Mid-Feed Power Input

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

Stock:

4PIN-MF-9"

4PIN-MF-12"

Custom lengths available.

X: Data input from previous string

Y: Additional power input

Z: Power and data output to next string(s)

