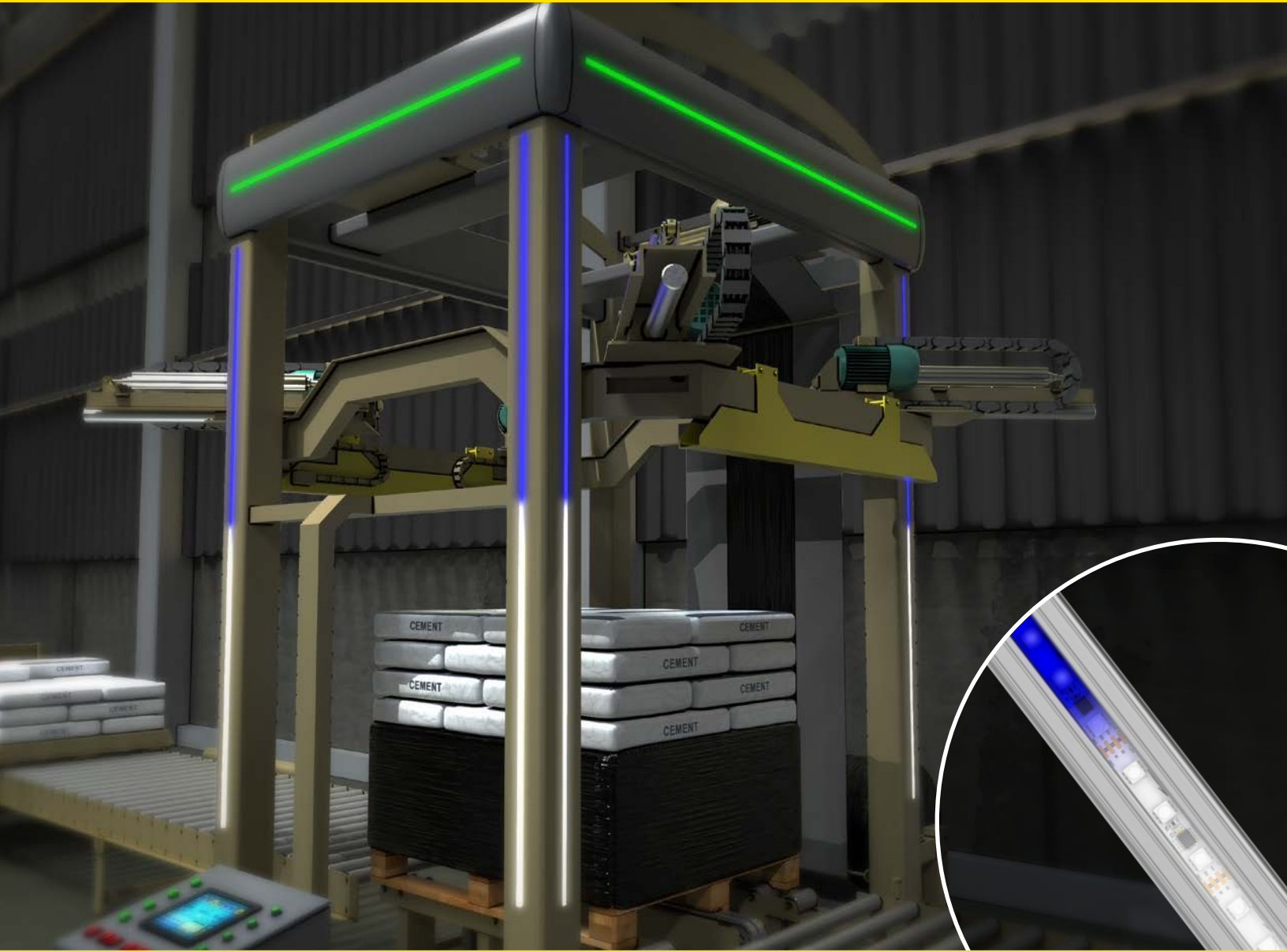


# WLF12 Pro Flexible Strip Lights

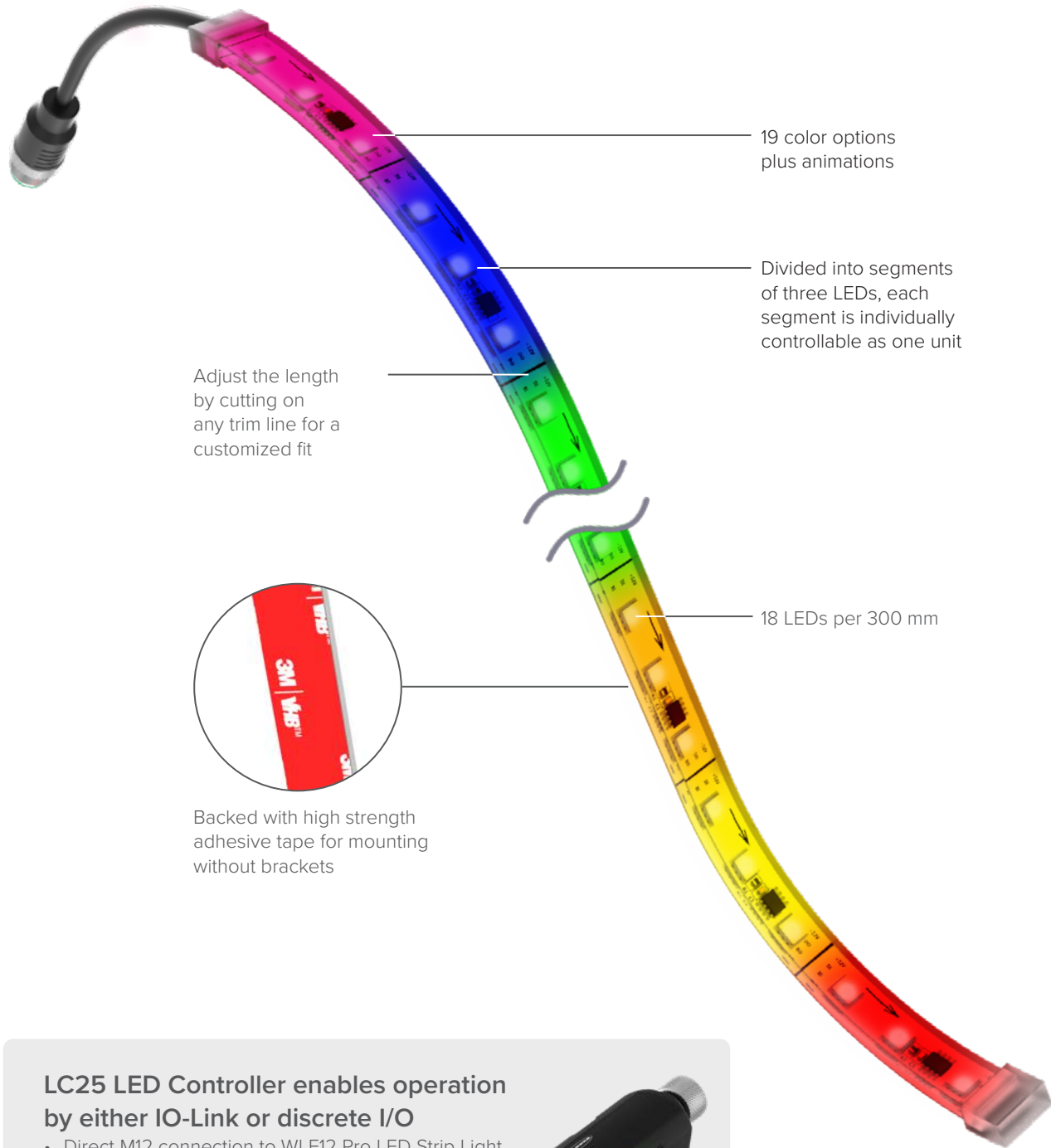


## A Flexible Multicolor Strip Light Built for Industrial Applications

- Durable, silicone-encapsulated housing provides long-lasting, worry-free performance
- Plug-and-play standard M12 connections simplify installation by eliminating soldering
- 19 colors and 15 animation effects visually communicate machine states to people working on or near equipment
- Five standard lengths (from 300 to 2000 mm) can be cut in 50 mm increments to fit to exact application specifications
- Peel-and-stick installation using high-strength adhesive backing ensures quick and secure mounting
- Available LC25 LED Controller enables simple discrete I/O or IO-Link operation and no-code configuration

**BANNER**<sup>®</sup>  
more sensors, more solutions

# Industrial Status Indication



19 color options plus animations

Divided into segments of three LEDs, each segment is individually controllable as one unit

Adjust the length by cutting on any trim line for a customized fit

18 LEDs per 300 mm

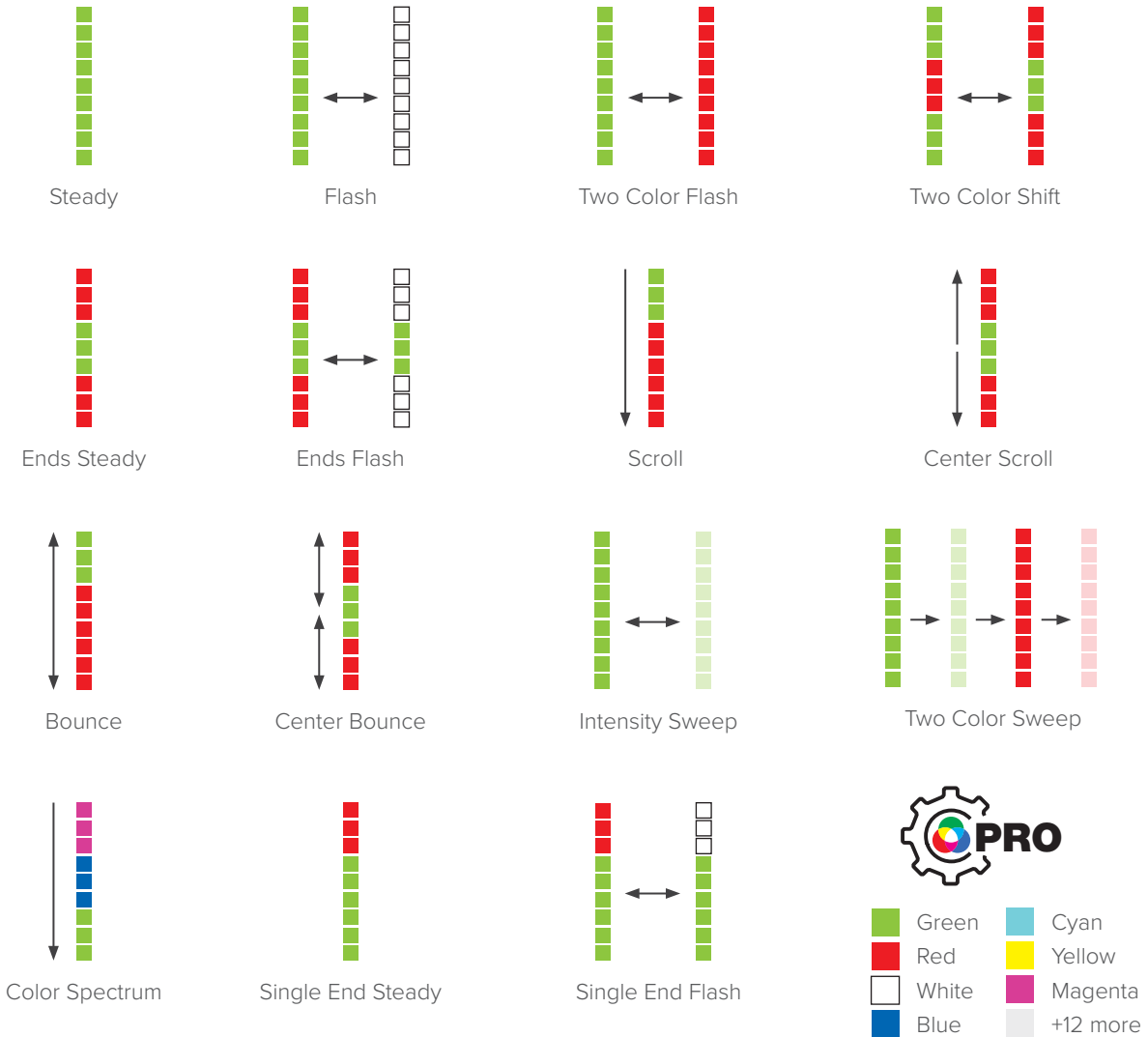
Backed with high strength adhesive tape for mounting without brackets

## LC25 LED Controller enables operation by either IO-Link or discrete I/O

- Direct M12 connection to WLF12 Pro LED Strip Light
- Dynamic control and advanced animations
- DC operation from 12 to 30 V
- IP65, IP67, and IP68 rated to simplify installation



## Colors and Animations



\*Visit [Bannerengineering.com](http://Bannerengineering.com) to download [Pro Editor software](#) for custom configurations

## AGV Status Indication

### Challenge

Design engineers at an AGV (Automated Guided Vehicle) manufacturer were looking for ways to add lights to their vehicles that would help communicate the status of the AGV with people who would be working around them. For example, adding turn signals on an AGV to show those in the area its direction of travel. The lights would need to be installed around the curved corners found on the machine, ruling out typical industrial lighting products.

### Solution

The WLF12 Pro was chosen because of its flexible and durable housing, peel-and-stick installation, multiple color options, and animation capabilities. Because the WLF12 comes in five lengths and can be further customized by cutting to lengths that better fit the application, the manufacturer was able to find a model that was an exact fit for their needs. The high strength adhesive backing allowed the lights to be mounted quickly. The electrical installation was also simplified by using industry standard M12 connectors and avoiding the need for any special soldering or connectors to be added to the lights. Lastly, engineers configured the WLF12 Pro to display the colors and animations needed to communicate various AGV states to people nearby.

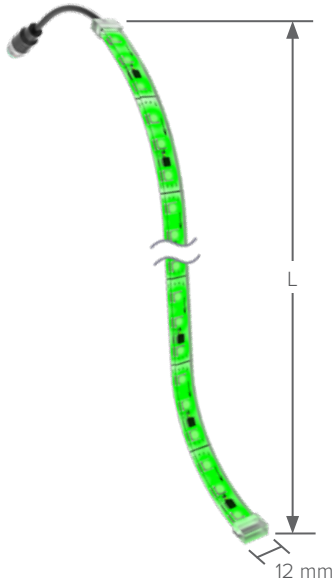


# WLF12 Pro Flexible Multicolor Strip Lights

Series	Style	Cascadable	Color*	Lighted Length	Construction	Connection
<b>WLF12</b>	<b>P</b>	<b>X</b>	<b>RGB</b>	<b>300</b>	<b>S</b>	<b>QP</b>
P = Pro		X = Non-cascadable	RGB = RGB multicolor	300 = 300 mm 600 = 600 mm 900 = 900 mm 1200 = 1200 mm 2000 = 2000 mm	S = Sealed	QP = 150 mm PVC-jacketed cable with 4-pin M12 male quick disconnect

\*LC25 Pro LED Controller required for discrete I/O and IO-Link operation

## Specifications



**Length (L)**  
300 mm  
600 mm  
900 mm  
1200 mm  
2000 mm

**Supply Voltage**

**Bending Radius**

**Construction**

**Operating Conditions**

**Environmental Rating**

**Certifications**

Strip light: 12 V DC  
with Discrete LC25: 12 to 30 V DC  
with IO-Link LC25: 18 to 30 V DC

15 mm

Silicone material, suitable for damp location use.  
Fully overmolded and encapsulated LEDs.

-20 to +45 °C

IP66, IP67, IP69K



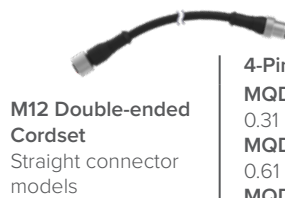
## Accessories



\*LC25 Pro LED Controller required for discrete I/O and IO-Link operation



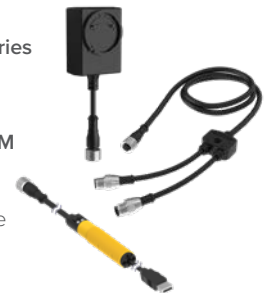
**4-Pin**  
**MQDC-406**  
2 m (6.5')  
**MQDC-415**  
5 m (15')  
**MQDC-430**  
9 m (30')



**4-Pin**  
**MQDEC-401SS**  
0.31 m (1')  
**MQDEC-403SS**  
0.61 m (3')  
**MQDEC-406SS**  
2 m (6.5')

### Pro Editor Accessories

**PSW-24-1**  
Power Supply  
**CSB-M1251FM1251M**  
Splitter  
**MQDC-506-USB**  
Pro Converter Cable



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