Eluxtra™

Eluxtra™ ProFlex PixelControl LED Neon, RGB
PLN-PF-RGB-5m, PLN-PF-RGB-10m


c(UL)us LISTED UKCA CE

PRODUCT DESCRIPTION

Eluxtra™ ProFlex PixelControl RGB LED Neon combines the creative potential of RGB neon lighting with the ability to create smooth gradients and dynamic effects utilizing our PixelControl technology. The strip light is encased in a flexible silicone housing that provides excellent diffusion, and at IP68, it is ideal for indoor and outdoor use. Injection molded ends ensure your lighting will remain free from dust and water.

Eluxtra™ ProFlex PixelControl LED Neon operates on 24 VDC and can run up to 15-meters when powered from one end. Control is simple and straight-forward using any of our pixel controllers. Custom lengths and wire exits available by request.

Ideal Application: Ideal for indoor and outdoor applications and is an ideal product for retail, hospitality, scenic and architectural installations.

TECHNICAL SPECIFICATIONS

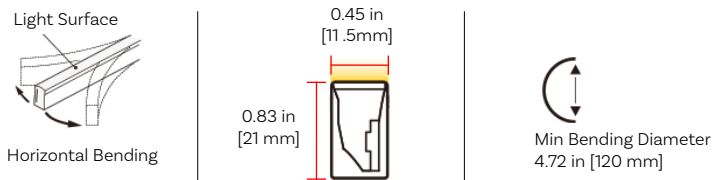| Product Number	PLN-PF-RGB-5m	PLN-PF-RGB-10m
Ambient Temperature	-40°C to 55°C	-40°C to 55°C
Average Lifetime	50,000 hours	50,000 hours
Beam Angle	110°	110°
Brightness	50/125/25 lm/meter	50/125/25 lm/meter
Color Detail	Red, Green, Blue	Red, Green, Blue
Density	56 LEDs/m	56 LEDs/m
Height	0.83 in [21 mm]	0.83 in [21 mm]
Input Current	2500 mA	5000 mA
Input Voltage	24 DC	24 DC
IP Rating	IP68	IP68
Linkable Up To	15 meters	15 meters
Lead Detail	Bare Wire / 2m in / 1m out	Bare Wire / 2m in / 1m out
LED Node Size	5050	5050
Length	16.4 ft [5 m]	32.81 ft [10 m]
Min. Cutting Increment	4.92 in [125 mm]	4.92 in [125 mm]
Power (Watts/ft)	3.7 Watts/ft	3.7 Watts/ft
Power (Watts/m)	12 Watts/m	12 Watts/m
Regulatory	UL, RoHS, CE, UKCA	UL, RoHS, CE, UKCA
Warranty	5 years limited	5 years limited
Width	0.45 in [11.5 mm]	0.45 in [11.5 mm]
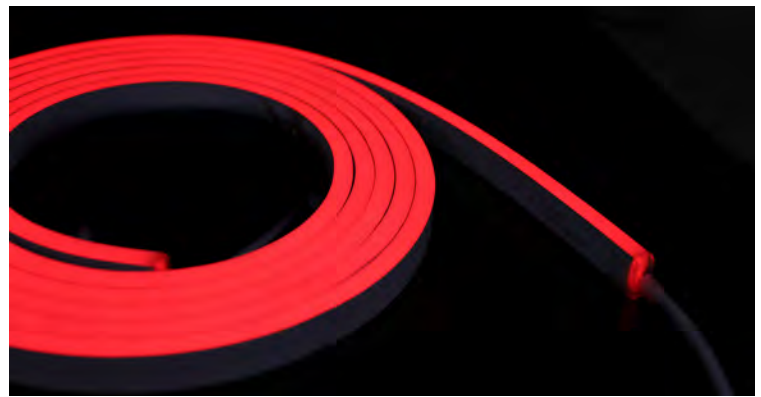
PRODUCT FEATURES

• High-quality silicone casing engineered for durability & easy maintenance
• Silicone casing provides excellent diffusion
• Flexible & easy to install
• PixelControl technology enables smooth gradients & dynamic effects
• UCS2903 IC
• 5m reel: 62.5mm per pixel | 20 pixels per reel | .12 universes per reel
  10m reel: 125mm per pixel | 40 pixels per reel | .23 universes per reel
• IP68, suitable for indoor or outdoor use
• Dust resistant
• Run length up to 15 meters when powered from one end
• 2-meter input lead, 1-meter output lead
• Compatible connectors available

REGULATORY

• UL Listed, RoHS, UKCA & CE Compliant
• Warranty: 5 Year Limited

DIMENSIONS OF LIGHT

Light Surface

Horizontal Bending

0.45 in [11.5mm]

0.83 in [21 mm]

Min Bending Diameter 4.72 in [120 mm]

Eluxtra™ products are exclusively available for purchase through Environmental Lights and City Theatrical.
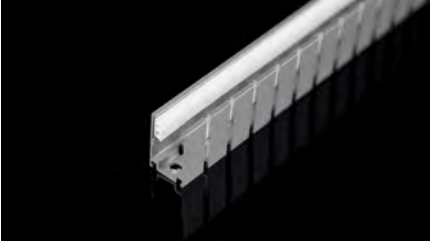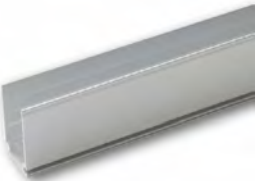
CONNECTORS & ACCESSORIES

Product	Description
Eluxtra™ ProFlex LED Neon, End Cap *LN-PF-ST-EC* 	This IP68 end cap is used to seal Eluxtra™ ProFlex LED Neon. It gives your lighting a finished look and protects them from dust and rain. It is durable and easy to install.
Eluxtra™ ProFlex LED Neon, 4-Wire Connector 01 *LN-PF-4-STS-01-2m* 	This is a 4-wire, IP68 connector designed for use with Eluxtra™ ProFlex LED strip lights. It features a 2-meter lead, providing flexibility for various setups. Look for the "01" marking on your strip light to ensure you are connecting in the proper direction.
Eluxtra™ ProFlex LED Neon, 4-Wire Connector 02 *LN-PF-4-STS-02-2m* 	This is a 4-wire, IP68 connector designed for use with Eluxtra™ ProFlex LED strip lights. It features a 2-meter lead, providing flexibility for various setups. Look for the "02" marking on your strip light to ensure you are connecting in the proper direction.
Eluxtra™ ProFlex LED Neon, 4-Wire Jumper *PF-4-SPS-JUMP-300mm* 	This is a 4-wire, IP68 jumper designed to connect two sections of Eluxtra™ ProFlex LED strip lights that have been cut to custom lengths. Look for the "01" and "02" markings on your strip light to ensure you are connecting in the proper direction.

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CONNECTORS & ACCESSORIES CONT'D

Product	Description
Eluxtra™ ProFlex LED Neon, Secure Grip Flexible Mounting Channel, 1m *LN-PF-U-SG-FLEX-1m*	This is a flexible aluminum mounting channel compatible with Eluxtra™ ProFlex LED Neon. The secure-grip design enables you to mount and protect your lighting with ease. Sold in 1-meter units.
Eluxtra™ ProFlex LED Neon, Mounting Clip *LN-PF-U-CLIP*	This is a high-grade aluminum extrusion designed for Eluxtra™ ProFlex LED Neon. The neon fits snug with no need for adhesives or fasteners to hold it in place. Each clip has one hole pre-drilled in the back and comes with one screw. It is easy to secure using a power screwdriver.
Eluxtra™ ProFlex LED Neon, Secure Grip Mounting Channel, 2m *LN-PF-U-SG-2m*	This is a high-grade aluminum mounting channel compatible with Eluxtra™ ProFlex LED Neon. The secure-grip design enables you to mount and protect your lighting with ease. Sold in 2-meter units. The channel comes with five screws. It can be easily secured using a power screwdriver and cuts easily using any metal saw.
Eluxtra™ ProFlex LED Neon, Secure Grip Mounting Clip *LN-PF-U-SG-Clip*	This is a high-grade aluminum extrusion designed for Eluxtra™ ProFlex LED Neon. The secure-grip design enables you to mount and protect your lighting with ease, ensuring that the neon stays in place. Each clip has one hole pre-drilled in the back and comes with one screw. It is easy to secure using a power screwdriver.
Eluxtra™ ProFlex LED Neon, Mounting Channel - 2m *LN-PF-U-2m*	This is a high-grade aluminum mounting channel compatible with Eluxtra™ ProFlex LED Neon. The neon fits snug with no need for adhesives or fasteners to hold it in place. Sold in 2-meter units. Each channel has 10 holes pre-drilled in the back and comes with 10 screws that are 13.42mm (just over ½ inch) long. It can be easily secured using a power screwdriver and cuts easily using any metal saw.

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CONNECTORS & ACCESSORIES CONT'D

Note: Silicone Injection Molded Connectors are available by custom request. Contact your Sales Representative for more information.

Product	Description
Injection Molded Front End Connector	Silicone injection molded Front End Connector is available via custom order.
Injection Molded Front Connector Side from Left	Silicone injection molded Front Connector Side from Left is available via custom order.
Injection Molded Front Connector Side from Right	Silicone injection molded Front Connector Side from Right is available via custom order.
Injection Molded Front Connector from Bottom	Silicone injection molded Front Connector from bottom is available via custom order.
Injection Molded End Cap	Silicone injection molded End Cap is available via custom order.

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