Eluxtra™

Eluxtra™ ProFlex PixelControl 4-in-1 LED Strip Light, RGBW

RGBXXK-PX-5050PF-56-5m, RGBXXK-PX-5050PF-56-10m
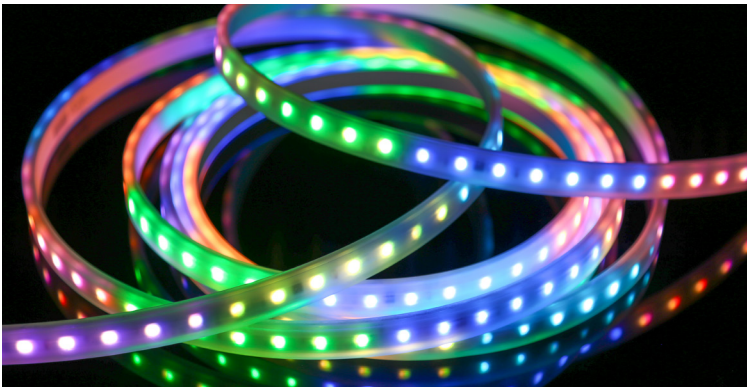

c(UL)us LISTED   UK CA   CE

PRODUCT DESCRIPTION

Eluxtra™ ProFlex PixelControl 4-in-1 LED Strip Light is a rugged and versatile option for professionals in need of addressable pixel lighting. The strip light is encased in a flexible silicone housing, and at IP67, this product is ideal for indoor and outdoor use. Injection molded ends ensure your lighting will remain free from dust and water.

This product combines the ability to produce millions of colors from RGBW color mixing with the ability to create smooth gradients and dynamic effects utilizing our PixelControl technology. It operates on 24 VDC and can run up to 10-meters when powered from one end. Control is simple and straightforward using any of our pixel controllers. Custom lengths and wire exits avialable by request.

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

PRODUCT FEATURES

• High-quality silicone casing engineered for durability & easy maintenance
• Flexible & easy to install
• PixelControl technology enables smooth gradients & dynamic effects
• UCS2904 IC
• 5m reel: 125mm per pixel | 40 pixels per reel | .315 universes per reel
  10m reel: 125mm per pixel | 80 pixels per reel | .63 universes per reel
• IP67, suitable for indoor or outdoor use
• Dust resistant
• Run length up to 10 meters when powered from one end
• 2-meter input lead, 1-meter output lead
• Compatible connectors available

REGULATORY

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

TECHNICAL SPECIFICATIONS

Product Number	RGB30K-PX-5050PF-56-5m	RGB30K-PX-5050PF-56-10m	RGB40K-PX-5050PF-56-5m	RGB40K-PX-5050PF-56-10m
Ambient Temperature	-40°C to 45°C	-40°C to 45°C	-40°C to 45°C	-40°C to 45°C
Average Lifetime	50,000 hours	50,000 hours	50,000 hours	50,000 hours
Beam Angle	90°	90°	90°	90°
Brightness	105/280/55/280 lm/m	105/280/55/280 lm/m	105/280/55/280 lm/m	105/280/55/280 lm/m
Color Detail	Red, Green, Blue, 3000K White	Red, Green, Blue, 3000K White	Red, Green, Blue, 4000K White	Red, Green, Blue, 4000K White
Density	56 LEDs/m	56 LEDs/m	56 LEDs/m	56 LEDs/m
Height	0.24 in [6 mm]	0.24 in [6 mm]	0.24 in [6 mm]	0.24 in [6 mm]
Input Current	3125 mA	6250 mA	3125 mA	6250 mA
Input Voltage	24 DC	24 DC	24 DC	24 DC
IP Rating	IP67	IP67	IP67	IP67
Linkable Up To	10 meters	10 meters	10 meters	10 meters
Lead Detail	Bare Wire / 2m in / 1m out	Bare Wire / 2m in / 1m out	Bare Wire / 2m in / 1m out	Bare Wire / 2m in / 1m out
LED Node Size	5050	5050	5050	5050
Length	16.4 ft [5 m]	32.81 ft [10 m]	16.4 ft [5 m]	32.81 ft [10 m]
Min. Cutting Increment	4.92 in [125 mm]	4.92 in [125 mm]	4.92 in [125 mm]	4.92 in [125 mm]
Power (Watts/ft)	4.6 Watts/ft	4.6 Watts/ft	4.6 Watts/ft	4.6 Watts/ft
Power (Watts/m)	15 Watts/m	15 Watts/m	15 Watts/m	15 Watts/m
Regulatory	UL, RoHS, UKCA, CE	UL, RoHS, UKCA, CE	UL, RoHS, UKCA, CE	UL, RoHS, UKCA, CE
Warranty	5 years limited	5 years limited	5 years limited	5 years limited
Width	0.61 in [15.5 mm]	0.61 in [15.5 mm]	0.61 in [15.5 mm]	0.61 in [15.5 mm]

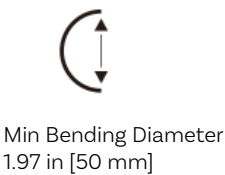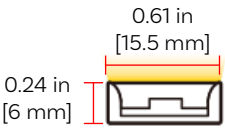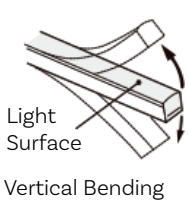**Eluxtra™ products are exclusively available for purchase through Environmental Lights and City Theatrical.**

Environmental Lights™

Environmental Lights
888-880-1880
contactus@environmentallights.com

CITY THEATRICAL
NEW YORK • LONDON
An Environmental Lights Company

City Theatrical
US: 800-230-9497 / sales@citytheatrical.com
UK: +44 (0)20 8949 5051 / salesuk@citytheatrical.com

MECHANICAL SPECIFICATIONS

Light Surface

Vertical Bending

0.61 in [15.5 mm]

0.24 in [6 mm]

Min Bending Diameter 1.97 in [50 mm]

CONNECTORS & ACCESSORIES

Product	Description
Eluxtra™ ProFlex LED Strip Light, End Cap *PF-SP-EC* 	This IP67 end cap is used to seal Eluxtra™ ProFlex LED strip light, protecting it from the elements such as dust and rain. It is durable and easy to install.
Eluxtra™ ProFlex LED Strip Light, 3-Wire Connector 01 *PF-3-SPS-01-2m* 	This is a 3-wire, IP67 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 Strip Light, 3-Wire Connector 02 *PF-3-SPS-02-2m* 	This is a 3-wire, IP67 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 Strip Light, 3-Wire Jumper *PF-3-SPS-JUMP-300mm* 	This is a 3-wire, IP67 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.

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

CONNECTORS & ACCESSORIES CONT'D

Product	Description
Eluxtra™ ProFlex LED Strip Light, Mounting Channel - 2m **PF-ACH-2m**	This 2-meter aluminum extrusion is designed for the Eluxtra™ ProFlex LED Strip Light, fitting securely without adhesive or extra fasteners. It includes 5 pre-drilled holes and screws for easy installation, and can be easily cut with a metal saw.
Eluxtra™ ProFlex LED Strip Light, Mounting Clip **PF-CLIP**	This 35 mm aluminum clip securely holds Eluxtra™ ProFlex LED Strip Light without adhesive.It includes a pre-drilled hole and screw for easy installation.
Eluxtra™ ProFlex LED Strip Light Anchor **PF-ANCHOR**	This high-strength hold-down clip is designed to securely fasten Eluxtra™ ProFlex LED Strip Light, providing reliable support in demanding applications. It includes two 9.93 mm (about 3/8 inch) screws for easy installation.

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

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.

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