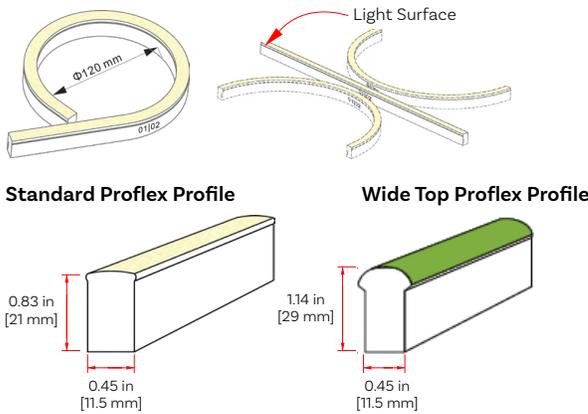# Environmental Lights™

ProFlex LED Neon, White
LN-PF-xxxxK-5m, LN-PF-xxxxK-10m

PRODUCT DESCRIPTION

ProFlex LED Neon is a rugged and flexible option for achieving the creative potential of neon, while getting all the benefits of LED. The flexible silicone housing provides fantastic diffusion and allows for durable installations, indoors or out. With 10 meter run lengths that only need to be powered from one end, our team engineered ProFlex LED Neon to be UL Listed and to cut down on labor and installation costs. It is capable of producing lighting effects that were never possible with traditional glass Neon. It is easy to control using many of our controllers, dimmers or DMX controllers. This product is offered in a variety of white color temperatures including 2700K, 3000K, 4000K, 5700K and runs on 24 VDC.

DIMENSIONS OF LIGHT

Light Surface

Standard Proflex Profile

0.83 in [21 mm]

0.45 in [11.5 mm]

Wide Top Proflex Profile

1.14 in [29 mm]

0.45 in [11.5 mm]

PRODUCT FEATURES

- Rugged, silicone housing
- Durable, UV Resistant and low maintenance
- IP67 rated and suitable for indoor or outdoor use
- Easy-to-install, flexible and easy to customize
- 15 meter run lengths that only need to be powered from one end
- Factory End 1: Injection Molded Front Connector to 2m Bare Wire Cable
- Factory End 2: Injection Molded End Cap
- Sold by the 10 meter reel, 5 meter reel and sample kit
- 15 meter reels available upon request
- Custom lengths and wire exits available upon request
- Wide Top LED Neon option available upon request

REGULATORY

- UL Listed
- RoHS Compliant
- Warranty: 5 Year Limited

OPTICAL PARAMETERS

Part No.	LN-PF-XXXXK-5m, LN-PF-XXXXK-10m
Beam Angle 50%	120°

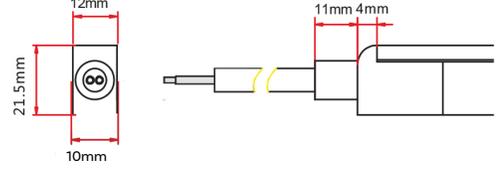| CCT	Lumen/m
2700K	>700lm
3000K	>750lm
4000K	>750lm
5700K	>800lm

SPECIFICATIONS & PARAMETERS

Product Number	LN-PF-2700K-5m	LN-PF-3000K-5m	LN-PF-4000K-5m	LN-PF-5700K-5m
Color Temperature	2700K	3000K	4000K	5700K
Voltage (DC)	24 VDC	24 VDC	24 VDC	24 VDC
Power (W/ft, W/m)	3.7 W/ft, 12 W/m	3.7 W/ft, 12 W/m	3.7 W/ft, 12 W/m	3.7 W/ft, 12 W/m
Density (LEDs/m)	72 LEDs/m	72 LEDs/m	72 LEDs/m	72 LEDs/m
LED Node Size	2835	2835	2835	2835
Cutting Increment	3.28 in [83.3 mm]	3.28 in [83.3 mm]	3.28 in [83.3 mm]	3.28 in [83.3 mm]
Strip Width	0.46 in [11.6 mm]	0.46 in [11.6 mm]	0.46 in [11.6 mm]	0.46 in [11.6 mm]
Strip Height	0.83 in [21.2 mm]	0.83 in [21.2 mm]	0.83 in [21.2 mm]	0.83 in [21.2 mm]
Reel Length	16.4 ft [5m], 32.8 ft [10m]	16.4 ft [5m], 32.8 ft [10m]	16.4 ft [5m], 32.8 ft [10m]	16.4 ft [5m], 32.8 ft [10m]
IP Rating	IP67	IP67	IP67	IP67
Ambient Working Temp	-40°C to 45°C	-40°C to 45°C	-40°C to 45°C	-40°C to 45°C

For More Information
888.880.1880
ContactUs@EnvironmentalLights.com

TYPES OF CONNECTOR

INJECTION-MOULDED CONNECTOR

Note: Unless otherwise stated, the tolerance of the connector is ±0.5 mm.

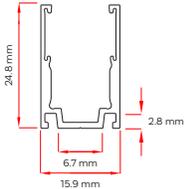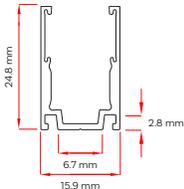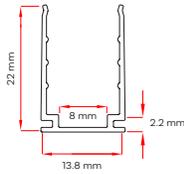| Product	Description	Dimensional Drawing
Injection-moulded Front Connector (bottom)	Connects light to power supply with pre-installed bottom feed cable, IP67. Available in 5m and 10m lengths.	12mm, 23mm, Φ10mm, 19mm, 2mm, 11mm
Injection-moulded Front Connector (side)	Connects light to power supply with pre-installed side feed cable, IP67. Available in 5m and 10m lengths.	11.5mm, 21.5mm, 11mm, 13.5mm, 2mm, Φ10mm, 19mm
Injection-moulded Front Connector (top end)	Connects light to power supply with pre-installed end feed cable, IP67. Available in 5m and 10m lengths.	12mm, 21.5mm, 10mm, 11mm, 4mm
Injection-Moulded End Cap	Pre-installed termination protection of the light, IP67.	2mm, 12mm, 21.5mm
Injection-moulded Jumper	Connects two pieces of lights together with a flexible cable. IP67 Injection-moulded connector. L available in 0.3~1m. Maximum 8 jumpers in 20m Maximum 4 jumpers in 10m	L
Injection-moulded T-feed	Connects two pieces of lights together with a T-joint, energized from the middle. IP67 Injection-moulded connector. L1 and L2 available in 0.15~0.5m. L3 available in 0.3~3m. Maximum 8 T-feeds in 20m Maximum 4 T-feeds in 10m	L1, 50mm, L2, L3
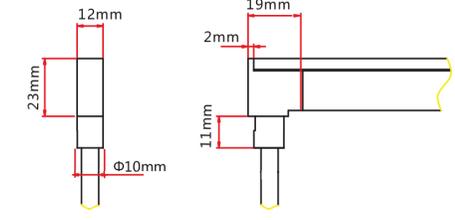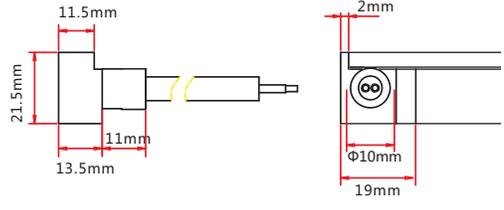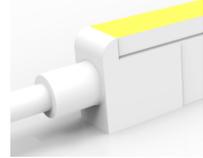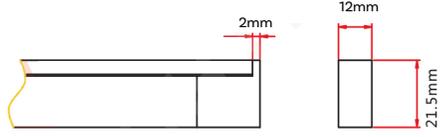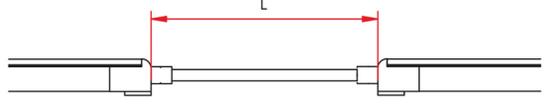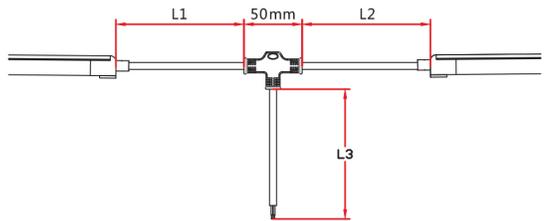
TYPES OF CONNECTOR CONT'D

END CAP KITS

Product	Description	Width	Length	Height
Snap End Cap Kit 01 LN-1-SNEC68-01	This is a front connector kit for single color, RGB and RGB PixelControl LED Neon. Simply follow the step-by-step installation instructions listed in the product manual. Kit includes shading sheet and end cap.	1.08 in [27.4 mm]	1.9 in [48.26 mm]	0.78 in [19.7 mm]
Snap End Cap Kit 02 LN-1-SNEC68-02	This is a front connector kit for single color, RGB and RGB PixelControl LED Neon. Simply fovllow the step-by-step installation instructions listed in the product manual. Kit includes shading sheet and end cap.	0.78 in [19.9 mm]	1.83 in [46.3 mm]	1.09 in [27.75 mm]

MOUNTING PROFILE

STANDARD ALUMINUM PROFILE

Note: Unless otherwise stated, the tolerance of the connector is ±0.5 mm.

Product	Description	Dimensional Drawing	Width	Height	Length
Secure Grip Mounting Clip LN-U-SG-Clip	Designed for mounting LED Neon and holding it in place. The clip has grips that securely holds neon in the clip. Clip comes with one screw.	24.8 mm / 2.8 mm / 6.7 mm / 15.9 mm	Inside: 0.02 in [6.7mm] / Outside: 0.62 in [15.9 mm]	0.97 in [24.8 mm]	0.79 in [20.1 m]
Secure Grip Mounting Channel LN-U-SG-2m	Ideal for mounting LED Neon upside down and in exterior applications, this channel has rubber grips that securely fasten to the neon without damaging its outer casing.	24.8 mm / 2.8 mm / 6.7 mm / 15.9 mm	Inside: 0.02 in [6.7mm] / Outside: 0.62 in [15.9 mm]	0.97 in [24.8 mm]	6.6 ft [2 m]
ProFlex Neon Mounting Clip LN-U-CLIP-35mm	Designed for mounting LED Neon and holding it in place. LED Neon fits snuggly with no need for adhesive or additional fasteners to hold the neon in the channel. Clip has one hole pre-drilled and comes with one screw.	22 mm / 2.2 mm / 8 mm / 13.8 mm	Inside: 0.31 in [8 mm] / Outside: 0.54 in [13.8 mm]	0.97 in [24.8 mm]	0.79 in [20.1 m]
ProFlex Neon Mounting Channel LN-U-2m	Designed for mounting LED Neon and holding it in place. LED Neon fits snuggly with no need for adhesive or additional fasteners to hold the neon in the channel. Channel has 10 holes pre-drilled and comes with 10 screws.	22 mm / 2.2 mm / 8 mm / 13.8 mm	Inside: 0.31 in [8 mm] / Outside: 0.54 in [13.8 mm]	0.97 in [24.8 mm]	6.6 ft [2 m]

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