

ProFlex Wide Top LED Neon

LNW-PF-RGB, LNW-PF-RGB2700K, LNW-PF-RGB4000K



PRODUCT DESCRIPTION

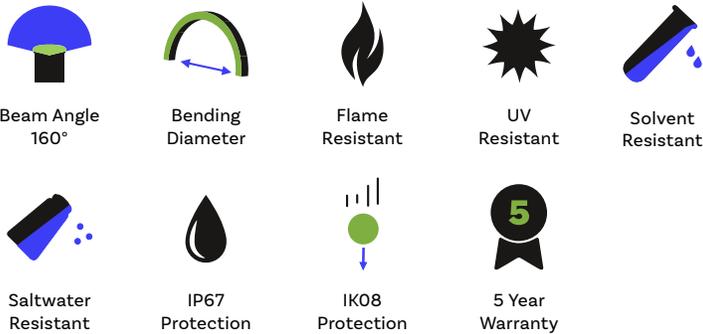
Create impressive eye catching light installations with ProFlex Wide Top LED Neon without all the hassles of traditional glass neon. Our ProFlex Wide Top LED Neon has an integrated diffuser that is wider and taller than standard RGB LED Neon, allowing for more light to be seen from the side and top of the ProFlex Wide Top LED Neon strip. The ProFlex Wide Top LED Neon is durable, flexible, energy efficient, and bright! We are proud to announce that ProFlex WideTop LED Neon is UL Listed and runs off low voltage 24 Vdc, so it is safe to use. ProFlex Wide Top LED Neon lets you create millions of colors with red-green-blue color mixing, allowing for endless possibilities.

It is easy to control using any of our dimmers, RGB controllers or DMX controllers (listed below). Our ProFlex Wide Top LED Neon is a fantastic product for commercial, architectural, studio and decorative applications.

Compatible DMX Controllers:

- StudioPro DMX-4-8A 4-Channel StudioPro
- StudioPro DMX-12-30K-5A 12-Channel StudioPro
- StudioPro DMX-24-30K-4A 24-Channel StudioPro
- DMX-4-5000-3-10A 4-Channel 10-Amp (3-pin)
- DMX-4-5000-5-10A 4-Channel 10-Amp (5-pin)

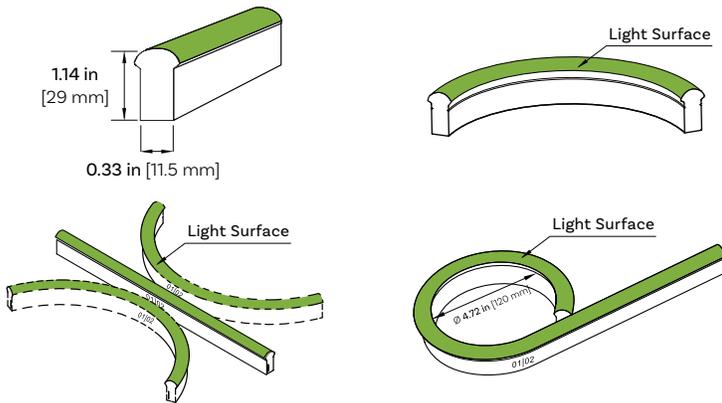
SPECIFICATIONS & PARAMETERS



PRODUCT FEATURES

- High quality SMD, tri-chip RGB LED & 4-in-1 RGBW LED.
- UV & flame resistant construction (silicone).
- High color consistency & smooth illumination with no hot spots.
- Dome profile for large beam angle, 160°.
- High lumen output & IP rating, IP67.
- Ultra flexible, bending diameter of 4.72 in [120 mm].
- Environmentally friendly & energy efficient.
- UL Listed and RoHS Compliant.
- Easy installation and assembly with DIY accessories for joining and terminating.
- Continuous run lengths up to 8 m for RGB+W and 10 m for RGB when powered from one end.

DIMENSIONS OF LIGHT



Note: Unless otherwise stated, the tolerance of the light is ±0.3 mm. The light can only be bent laterally (opposite bend along to light surface). Do not bend smaller than allowed minimum bend diameter.

TECHNICAL SPECIFICATIONS

Product Number	LNW-PF-RGB	LNW-PF-RGB2700K, LNW-PF-RGB4000K
Color	RGB	RGB + 2700K, RGB + 4000K
Operating Voltage	24 Vdc	24 Vdc
Power Draw	3.66 W/ft [12 W/m]	4.57 W/ft [15 W/m]
LED Density	60/m	60/m
LED Node Size	5050	5050
Cutting Increment	3.94 in [100 mm]	3.94 in [100 mm]
Branch Length Limit	32.8 ft [10 m]	26.2 ft [8 m]
Strip Width	0.63 in [16 mm]	0.63 in [16 mm]
Strip Height	1.14 in [29 mm]	1.14 in [29 mm]
IP Rating	IP67	IP67
Ambient Working Temp	-40°F ~ 131°F -40°C ~ 55°C	-40°F ~ 131°F -40°C ~ 55°C

OPTIC PARAMETERS

Article No.	LNW-PF-RGB
LED Type	RGB
Beam Angle 50%	160°

Color	Wave Length	Brightness
Red	618-624 nm	>60 lm
Green	522-528 nm	>140 lm
Blue	468-474 nm	>30 lm
R+G+B (White)	N/A	>230 lm

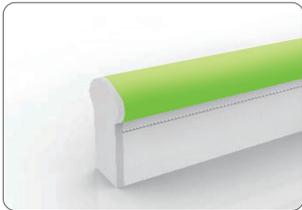
Article No.	LNW-PF-RGB2700K, LNW-PF-RGB4000K
LED Type	RGB + 2700K, RGB + 4000K
Beam Angle 50%	160°

Color	Wave Length	Brightness	Power
Red	618-624 nm	>60 lm	
Green	522-528 nm	>140 lm	
Blue	468-474 nm	>30 lm	
White (2700K)	2725±145K	>140 lm	
White (4000K)	3985±275K	>140 lm	
R+G+B+White (all on)	N/A	>370 lm	15 W

TYPES OF CONNECTOR

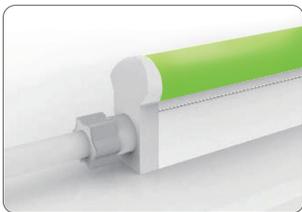
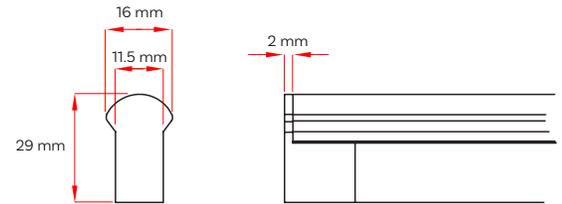
INJECTION-MOLDED CONNECTORS

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



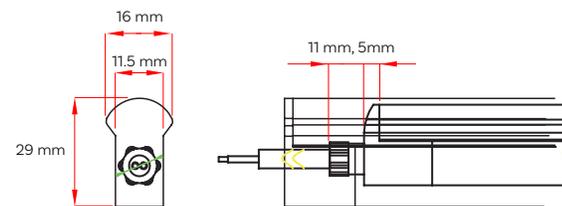
Injection-Molded End Cap

Custom Injection Molded Head End for ProFlex LED Neon, with Head End Cap. Cable measures 2 m.



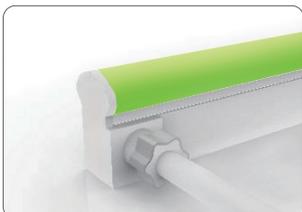
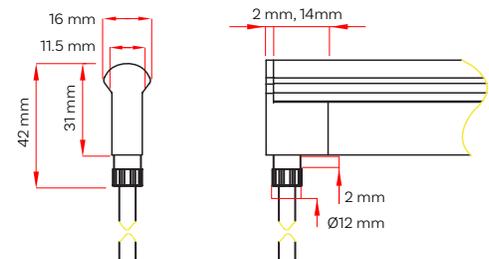
Injection-Molded Front Connector (top)

Custom Injection-Molded tail end for ProFlex LED Neon, with front cable exit. Cable measures 2 m.



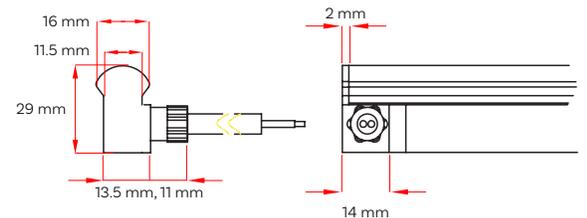
Injection-Molded Front Connector (bottom)

Custom Injection-Molded head end for ProFlex LED Neon, with bottom cable exit. Cable measures 2 m.



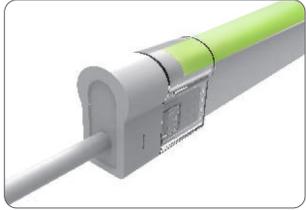
Injection-Molded Front Connector (side)

Custom Injection-Molded tail end for ProFlex LED Neon, with side (right and left) cable exit. Cable measures 2 m.



SNAP CONNECTORS

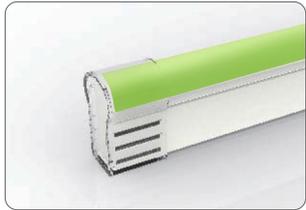
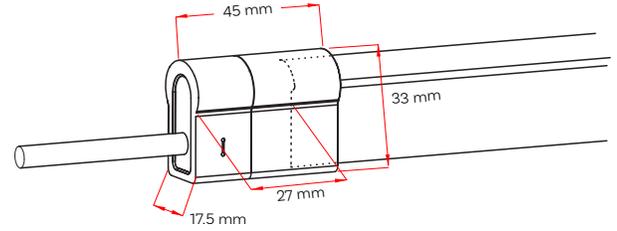
Note: Unless otherwise stated, the tolerance of the connector is ± 0.5 mm.



Front/Tail End Connector

Connects RGB, RGBW and single color LED Neon to the power supply or controller.

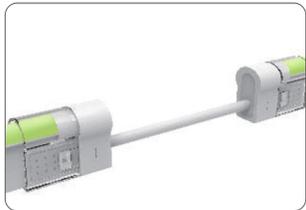
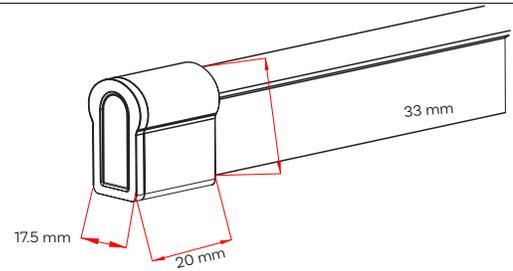
Height: 1.29 in [33 mm]
 Length: 1.83 in [46.5 mm]
 Width: 0.86 in [21.8 mm]
 Cable: 6 ft [1.8 m]



Front/Tail End Cap

Termination protection of the light for RGB, RGBW and single color LED Neon.

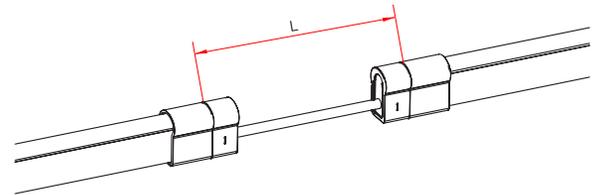
Height: 1.29 in [33 mm]
 Length: 1.83 in [46.5 mm]
 Width: 0.86 in [21.8 mm]



Jumper

Connects two pieces of lights together with a flexible cable for RGB, RGBW and single color LED Neon.

Height: 1.29 in [33 mm]
 Length: 14.3 in [363.2 mm]
 Width: 0.45 in [11.43 mm]
 Cable Length: 1 ft [0.30 m]



MOUNTING PROFILE

STANDARD ALUMINUM PROFILE

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

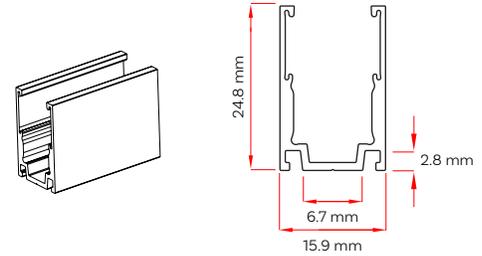


Secure Grip Mounting Clip

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.

Length: 0.79 in [20.1 mm]
Width: 0.62 in [15.7 mm]

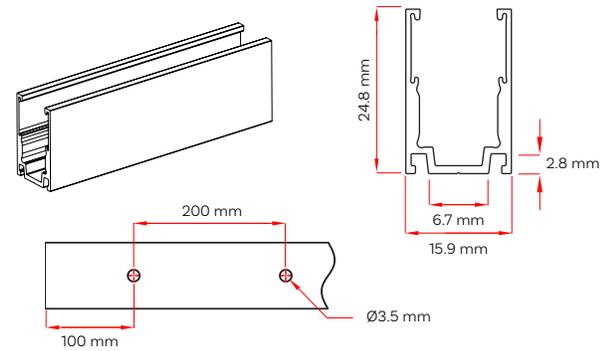


Secure Grip Mounting Channel

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.

Length: 6.6 ft [2 m]
Width: 0.62 in [15.7 mm]

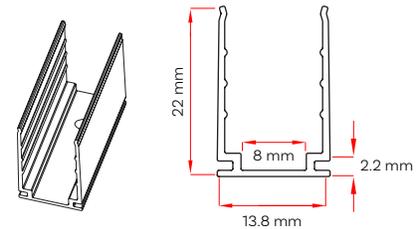


LED Neon and ProFlex LED Neon Mounting Clip

LN-U-CLIP-35mm

Designed for mounting LED Neon and holding it in place. LED Neon fits snugly 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.

Length: 1.37 in [34.7 mm]
Width: 0.54 in [13.7 mm]



LED Neon and ProFlex LED Neon Mounting Channel

LN-U-2m

Designed for mounting LED Neon and holding it in place. LED Neon fits snugly 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.

Length: 6.6 ft [2 m]
Width: 0.54 in [13.8 mm]

