Neon FlexLED V4
4th Generation FlexLED Neon

Accessories diagram for Assembled End Cap

① Flat silicone shim
② Transparent housing
③ Plug with cable
④ Transparent fastening latch
⑤ Orange fastening latch
⑥ Silicone neon strip

Beam angle

115.7°

Dimensions

120°
20mm
12mm

Neon FlexLED V4 LED lighting is the perfect replacement for traditional neon lighting. Not only is it easily customizable but it is far more durable than traditional neon. Our V4 neon is slightly larger than our V3 neon at 12MM (0.47") in width and includes solderless IP67-rated connections. It also is available in a horizontal bend or as a vertical bend. 6 different LED versions with endless possibilities for colour and control. RGB, RGBW (2700k or 5600k), colour temperature adjustable 2700k - 5500k, and RGBW pixel control (2700k or 5600k). All versions have the ability to dim from 0 to 100% and can be controlled via any of our constant voltage controllers. (DMX / Rotary Knob Control / Zigbee). The RGBW Pixel control LED can be controlled via any of our pixel controllers.

This product is widely used as a replacement for traditional neon but also as a way to illuminate and decorate locations such as film and television sets, concert touring, restaurants, theatrical spaces, exhibition halls, bars, shopping malls, theme parks, casinos and much more.

Standard NeonFlex V4 has a flat top for viewing at 120 degrees.

IP67 rated makes this the perfect product for indoor or outdoor use. cULus rated, as well as RoHS, and CE compliant making it safe for use anywhere in the world.

Factory lengths of 10 meters (32.81 feet) but customizable every 5 to 10CM (depending on LED type) making it the perefct product for many uses. Utilizing our standard high CRI white LEDS make for beautiful soft white output as well as creating beautiful pastel colours when mixed with the colour LED options.

95+ CRI	**24V** DC	**120°** BEAM ANGLE
5 years	Dimmable	10M (32.8')
CUSTOMIZED LENGTHS	White	
c UL us LISTED E489028	RoHS	CE
Width 12MM	IP67 OUTDOOR	RGB+W
RGB	CCT Adjustable	

TECHNICAL SPECIFICATIONS

Neon FlexLED V4

NO:			White	RGB+W	RGB	Bi-Colour	RGB+W Pixel UCS7604
1	PRODUCT TYPE		White	RGB+W	RGB	Bi-Colour	RGB+W Pixel UCS7604
2	PRODUCT CODE		NF-W24VF1220-XX00-95-10MBEW	NF-W24VF1220-RGBWXX-95-10MBEW	NF-W24VF1220-RGB-50-10MBEW	NF-W24VF1220-BC2750-95-10MBEW	NF-W24VF1220-RGBWXX 95-UCS7604-10MBEW
3	CRI / TLCI		95+	95+	N / A	95+	95+
4	COLOUR TEMP. OR WAVELENGTH		2100K / 2400K / 2700K / 3000K / 3500K / 4000K / 5000K / 6000K	Colour Changing R/G/B/W 2700K or 5600K	Colour Changing RGB	2700K ~ 5000K or 2700K ~ 5500K	Colour Changing R/G/B/W 2700K or 5600K
5	WAVELENGTH		WHITE				
6	CURRENT, RATING		0.79 A / METER				
7	VOLTAGE		24 VDC				
8	WATTAGE		15W / METER				
9	CC / CV		CONSTANT VOLTAGE				
10	IP RATING		IP67				
11	LUMENS @ FULL		360 ~ 465 lm / METER	600 - 800 lm / meter			
12	LUMEN / WATT		24 ~ 31 lm/ METER	N/A			
13	LIFETIME*		30,000 HOURS				
14	CUTTING LENGTH		5 CM				8.33 CM
15	LEDS/METER QUANTITY		120 LED / METER	96 LED / METER		280 LED / METER	84 LED / METER
16	LED TYPE		2835	5060	3838	2016	5060
17	NUMBER OF CONTACTS		2	5	4	3	4
18	COPPER QUANTITY		3 Oz.				
19	OPERATING TEMPERATURE RANGE		-40° TO - 60° C				
20	AGENCY RATINGS		UL E489028, CE, RoHS				
21	DIMENSIONS TOP / BASE		12 X 20 MM				
22	MAXIMUM RECOMMENDED LENGTH		10 METERS (Power injection at both ends recommended)				
23	VIEWING ANGLE		120 DEGREE				
24	ADHESIONADHESION		3M VHB5952 Adhesive Mounting Clips Sold Separately				
25	PIXEL PROTOCOL		NONE				UCS7604

Neon FlexLED SKU ORDERING CODES

NF	W	24	V	F1220	RGBW27	95	UCS8904	5M	BEW
1	2	3	4	5	6	7	8	9	10
Series	IP Rating (IP67)	Operating Voltage	Voltage	Shape & Dimensions	Colour & CCT	CRI	Pixel Protocol	Length	Connector

1 Family Series
NF   NeonFlex

2 IP Rating
W   IP67 - Weatherproof

3 Voltage
24V   24VDC (Standard)
5-36V   Custom Order

4 Voltage Type
V   Constant Voltage (Standard)
C   Constant Current (Optional)

5 Shape & Dimensions
F1220   Flat 12MM X 20MM

6 Colour & CCT
XX00   White -2100 ~ 6000k
RGB   Red + Green + Blue
RGBW27   Red + Green + Blue + 2700k
RGBW56   Red + Green + Blue + 5600k
BC2750   2700K + 5000K

7 CRI
95   95 (Standard)
80   80 Optional

8 Pixel Protocols
UCS7604   UCS7604 Standard
Various pixel protocols available
Contact us for more information

9 Length
10M   10 Meters (Standard)
0.5CM -> 10M (Optional)

10 Connector
BEW   Bare End Wire (Standard)
5PM   5PM Chogori Connector
XXX   Optional - Contact Us

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CONNECTORS

Front cable Connector

Side cable Connector

Bottom cable Connector

MOUNTING ACCESSORIES

Stainless steel clips
20x12.7x18.7mm
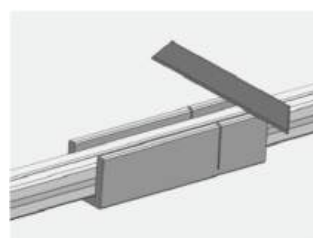

Aluminium profile
1000x14.4x21.4mm
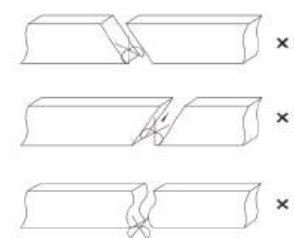

Flexible profile

Suspension wire

END CAPS

Cutting Mark

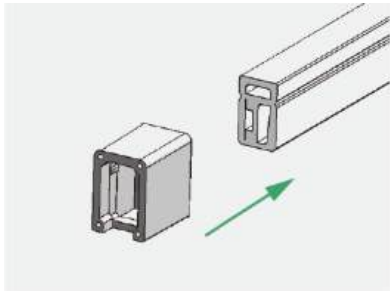The bottom of the LED strip has a transparent window. The black marker is the cutting point.

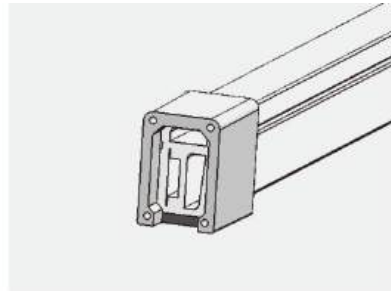Use a cutting jig or straight-edge, precisely cut on the line in order to ensure no damage to the LED.

When cutting the neon, do not cut on an angle as it will not properly mate with the end caps or connectors.

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Insert the shell into the strip as far as possible

Ensure the opening is at the bottom of the strip
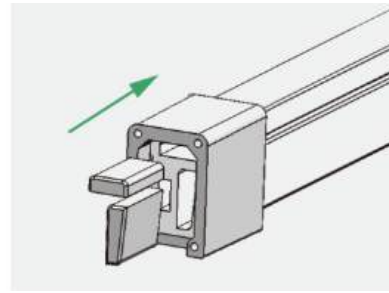
Insert the plug into the holes of the LED Neon
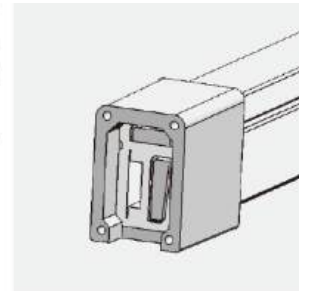
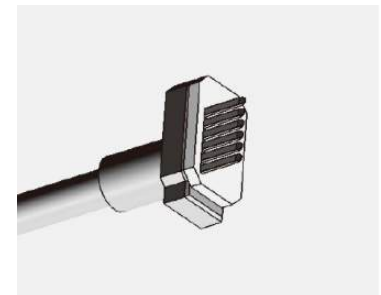Ensure the plug is inset further than the outer shell.
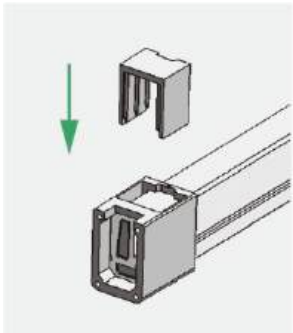
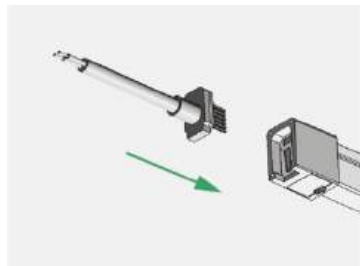Insert the stopper into the shell.
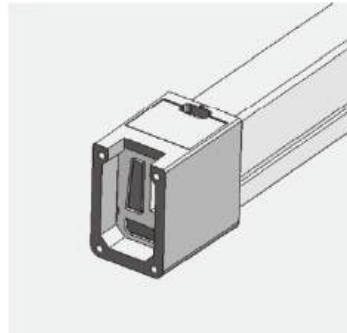
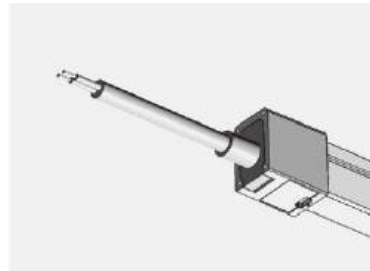Ensure the stopper is fully inserted
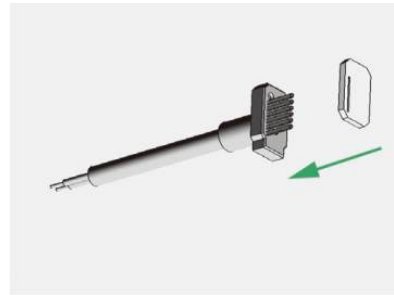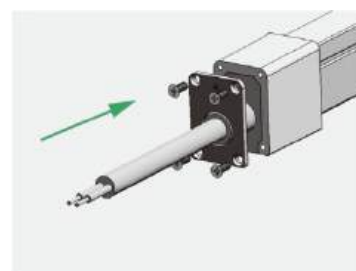
Put the waterproof washer into the plug

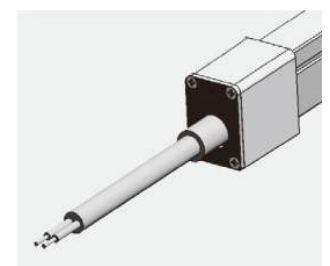Ensure the washer is pushed to the back

Insert the plug into the led strip and ensure the pins make contact with the LED strip
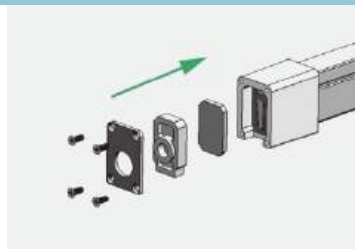
Assembly should be fully inserted.

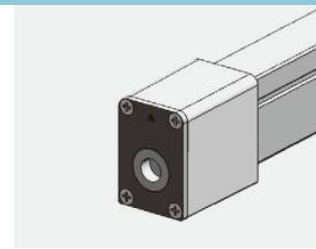Screw the end cap onto the shell with the provided screws.

Completed assembly.

ASSEMBLY INSTRUCTIONS - END CAP

End cap's installation diagram

Effect diagram of the metal plate assembly completed

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