# NEON STRIPS

What is Neon Strips?

Neon strips are flexible LED light strips that mimic the look of traditional neon lights. They use LEDs inside a soft, frosted silicone or PVC cover, so the light appears as a smooth, unbroken glowing line. Neon strips are easy to bend and shape, come in many colors, and are commonly used for creative lighting, signage, and decoration, both indoors and outdoors. Compared to glass neon, they are safer, more energy-efficient, and easier to install.

NEON FLEX SOLUTION

Cable outlet

Standard end cap

Seamless end cap

Screwless end cap
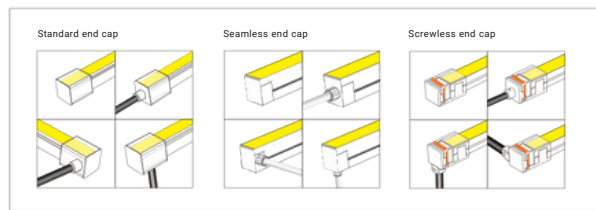
Waterproof ring

Metal ring

IP67 cable connector

Male

42mm

16mm

Female

41mm

16mm

Integrally extruded Max length up
to 50meters with one end power

Cutting mark

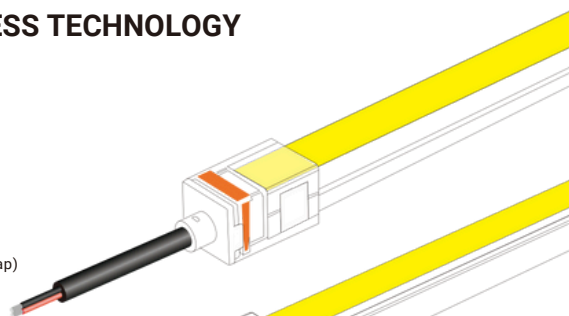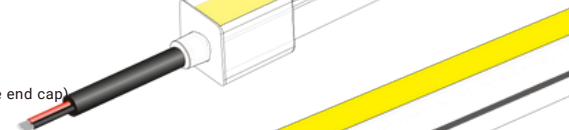Mounting Accessories

Mounting Clip

Mounting Profile

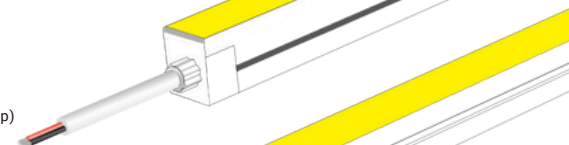Moldable Groove

IP PROCESS TECHNOLOGY
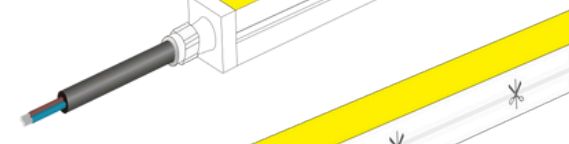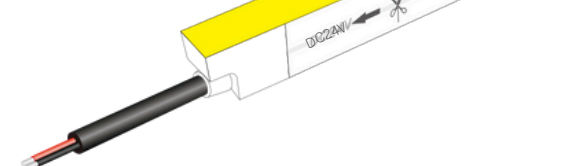
IP67
(Screwless end cap)

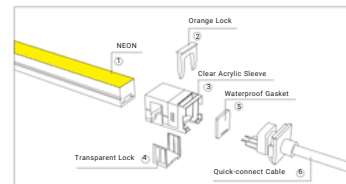IP67
(Standard silicone end cap)
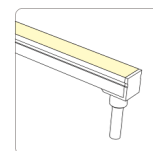
IP67
(Seamless end cap)

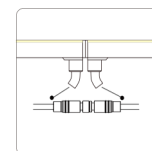IP68
(Siliconeneon)

IP68
(PU neon)

DC24V

IP67 screwless end cap deconstruction diagram

NEON ①

Orange Lock ②

Clear Acrylic Sleeve

Waterproof Gasket ⑤

Transparent Lock ④

Quick-connect Cable ⑥

IP67 seamless end cap
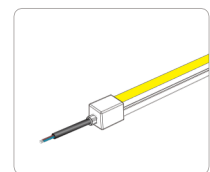without dark area

Linear interconnection
without dark area

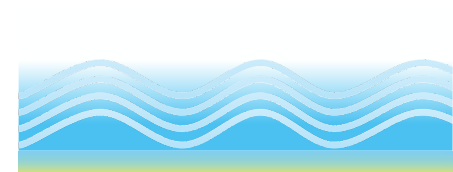Curve interconnection of
lighting outward without dark
area

Curve interconnection of
lighting outward without dark
area

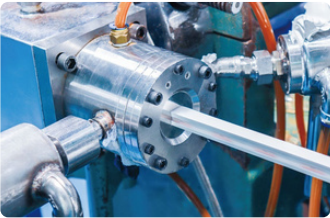IP68 silicone neon and IP68 PU neon, used
under the water.

Pool

IP68 silicone neon: ≤ 5 meters deep
IP68 PU neon: ≤ 3 meters deep

PRODUCTION PROCESS COMPARISON

Comparison of integrated extrusion and hollow tubing methods for neon flex.

Integrated extrusion neon		Hollow silicone tube
With the LED strip encased in silicone, it remains secure and stable, ensuring uniform and consistent lighting.		Without being integrated with the silicone tube, the strip may loosen or shift, leading to light dots and uneven brightness.
Supports lengths up to 50 meters.		Maximum length typically 5 meters.
The structure is stronger and feels more reliable	**vs**	The structure is weaker and feels softer.
Integrated extrusion with a specified light source ensures more stable quality and consistent parameters		Independent production results in slightly less stable product quality and parameters.
Difficult to support multiple models with low quantities per model.		Ready-to-stock production offers greater flexibility for customization

SURFACE TREATMENT PROCESS

Before surface treatment
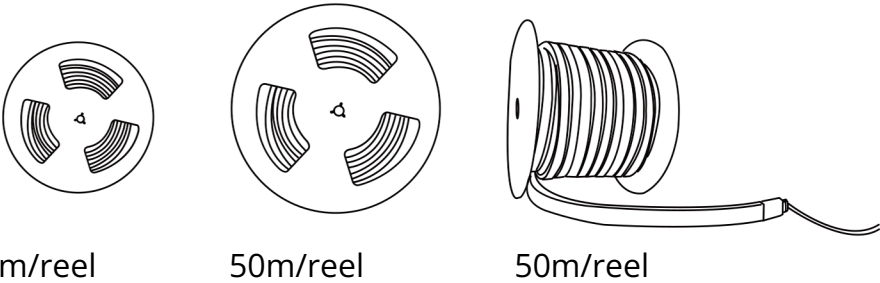Glossy, attracts dust easily, and is hard to clean.

After surface treatment
Anti-static, dust-resistant, dirt-repellent, with a matte finish, tactile texture, and easy to clean.
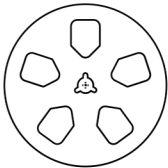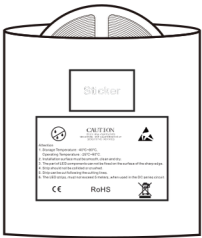
After surface treatment and with prolonged use

Before cleaning, it significantly reduces light output.

After cleaning, it becomes clear and transparent, providing uniform light distribution.

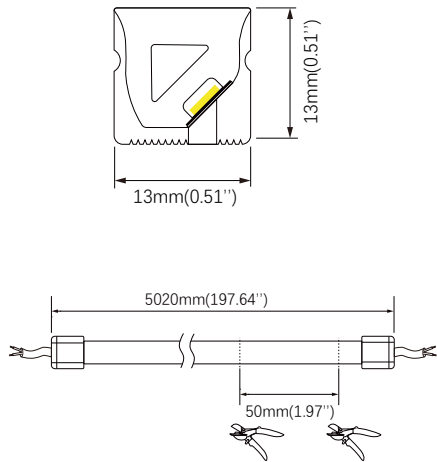## ADVANTAGES OF TRI-COLOR EXTRUSION

Diffusion Layer
Milky White Layer
Transparent Layer

Tri-color extrusion with a clear window for precise, worry-free cutting.

Package

5m/reel

50m/reel

50m/reel

Environmentally friendly packaging

CAUTION

CE   RoHS

Neon N1313

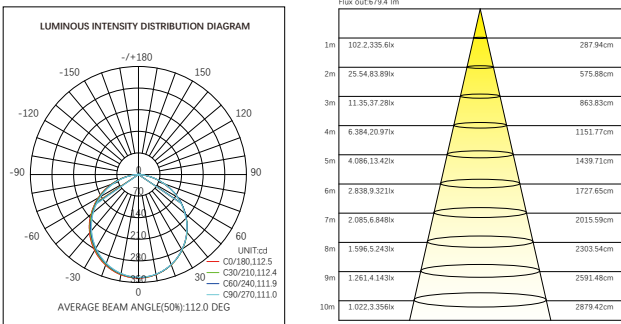13mm(0.51")

13mm(0.51")

5020mm(197.64")

50mm(1.97")

Features

■ **Top & side free-bend neon light;**

■ **Tricolor-color silicone extrusion**+flexible FPC+highlight LED;

■ Mild and even light output;

■ Hollow inside, protect LEDs well;

■ High light transmittance;

■ Cuttable;

■ Storage Tem.: 0°C~+60°C;

■ Operating Tem.: -20°C~+45°C;

■ Anti-uv grade UVA-340;

■ Warranty 5-year, >50000 hours (L70B10) for indoor usage

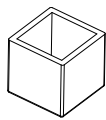Warranty 3-year, >30000 hours (L70B10) for outdoor usage.

Spectroscopic date

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

UNIT:cd
C0/180,112.5
C30/210,112.4
C60/240,111.9
C90/270,111.0

AVERAGE BEAM ANGLE(50%):112.0 DEG

Flux out:679.4 lm

1m	102.2,335.6lx	287.94cm
2m	25.54,83.89lx	575.88cm
3m	11.35,37.28lx	863.83cm
4m	6.384,20.97lx	1151.77cm
5m	4.086,13.42lx	1439.71cm
6m	2.838,9.321lx	1727.65cm
7m	2.085,6.848lx	2015.59cm
8m	1.596,5.243lx	2303.54cm
9m	1.261,4.143lx	2591.48cm
10m	1.022,3.356lx	2879.42cm
Height	Eavg,Emax	Angle:110.43deg	Diameter

Remark: Output data is from test result of 4000K neon light;

Tolerance +10%.

112° | | | LM80 LED | UV Resistant | Dimmable | Solvents Resistant | Flame Resistant | Saltwater Resistant

| Item code	Description	Size	Power	Minimum cutting	Strip options	Voltage	CRI	CCT		Lumen /meter	Light transmittance	IP Grade	Beam angle
N1313	Top&side free-bend	L5020 × W13 × H13 MM L16.47 × W0.04 × H0.04 FT	7.2 W/M (2.20 W/FT)	50 MM	SMD140	DC 24V	85+		2700K	439 LM/M	53%	IP67	112°
									3000K	461 LM/M			
									4000K	488 LM/M			
									6000K	485 LM/M			
							90+		2700K	373 LM/M			
									3000K	392 LM/M			
									4000K	415 LM/M			
									6000K	412 LM/M			

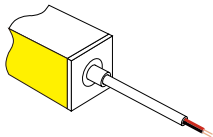Silicone tail end cap
N1313-DETS-W
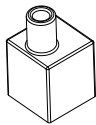
Silicone end cap for cable straight through
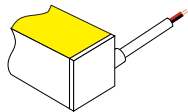N1313-DETS-Z
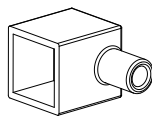
Silicone end cap for cable side through/ cable back through
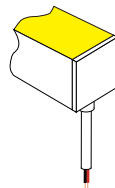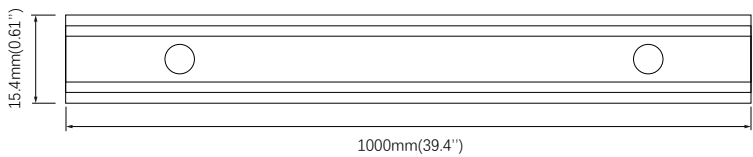N1313-DETS-C/B
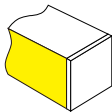
Mould pressing cap end cap
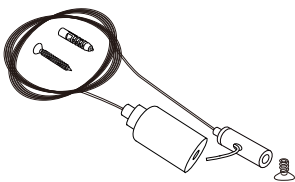
Mould pressing cap
for cable straight through

Mould pressing cap
for cable side through

Mould pressing cap
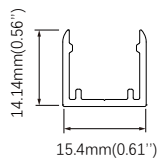for cable back through

15.4mm(0.61")
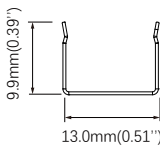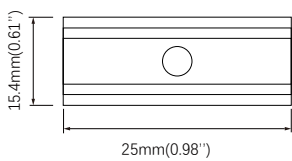
1000mm(39.4")
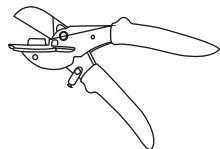
Alu profile
N1313-SMS-1M

Pendant accessories
N1313-PTS

14.14mm(0.56")

15.4mm(0.61")

15.4mm(0.61")

25mm(0.98")

Alu clip
N1313-SMS

9.9mm(0.39")

13.0mm(0.51")

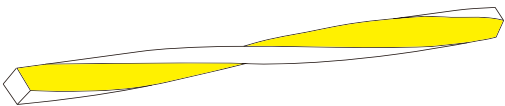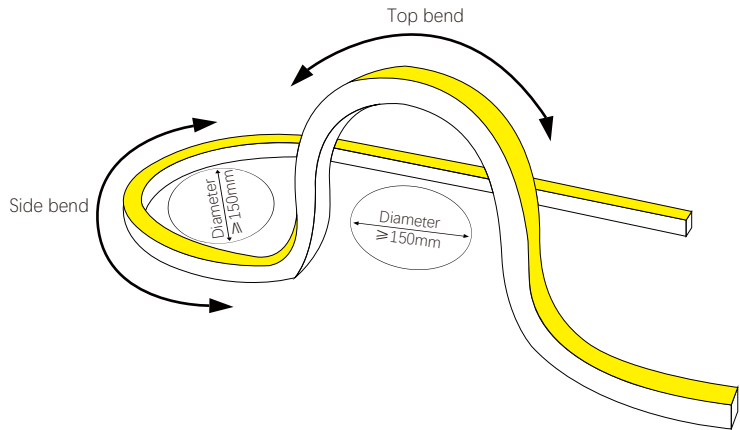1000mm(39.4")

5.5mm(0.22")

4mm(0.16")

Stainless steel chain
N1313-SMSS-1M
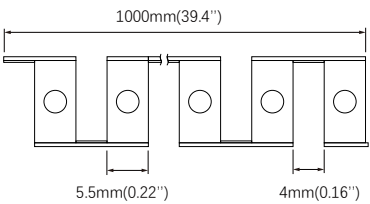
Special cutter
BV-NS-1

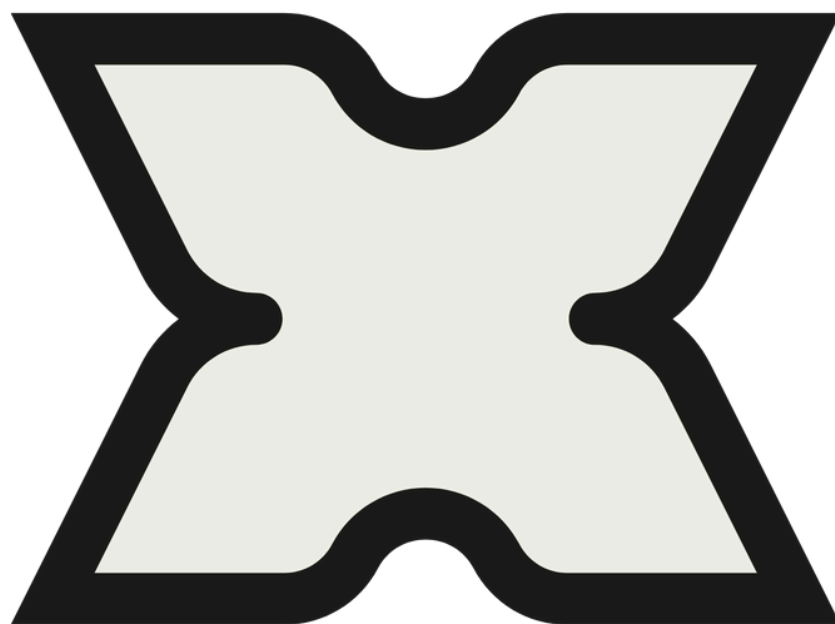More installation details, please read user manual.

Top bend

Side bend

Diameter ≥150mm

Diameter ≥150mm

Top & side free-bend LED neon light
One neon to satisy various projects

5m/roll + user manual

Product labels

3 rolls/box

3 boxes/carton

Product labels

1

NO:. label

300mm

420mm

420mm
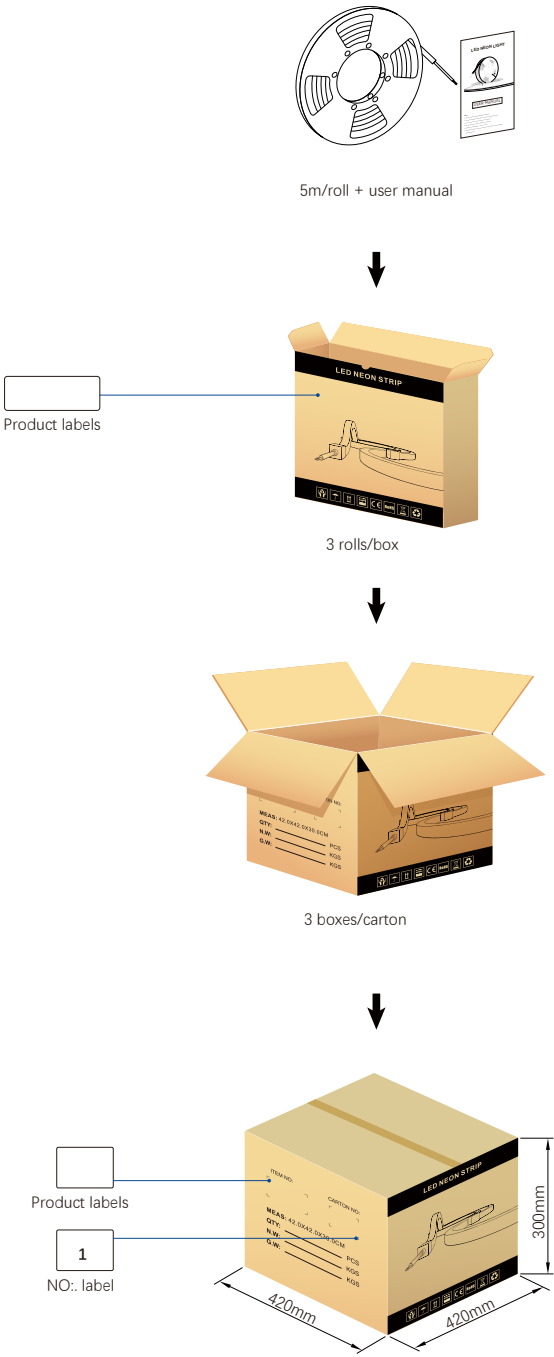
Type	Size(mm)	CBM(m³)	Remark	NW(Kg)	GW(Kg)
Carton	L420 × W420 × H300	0.053	1pcs/roll, 3rolls/box 3 boxes/carton	4.7	10.12

THANK YOU

www.supplux.ca