

## SILICONE EXTRUSION NEON STRIP



UV Resistant



Resistant to solvents



Saltwater resistant



Temporary immersion protection



One BIN only for a CCT range



Lifetime



Certified



Certified



Certified

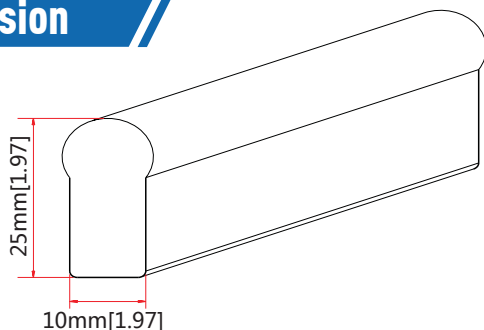


Warranty

### Features

- ▼ Dot-free linear neon-like illumination
- ▼ Fabricated with Eco-friendly, UV-resistant silicone material
- ▼ V-2 flame retardance
- ▼ Flexible PCB with SMD LED technology
- ▼ 24V DC low voltage, safe and reliable
- ▼ Cutting mark by every 50mm [1.97in]
- ▼ Can be bent laterally
- ▼ cULus Listed, CE, RoHS certified
- ▼ 5-years manufacture warranty
- ▼ Minimum bending diameter in 50mm [1.97in]

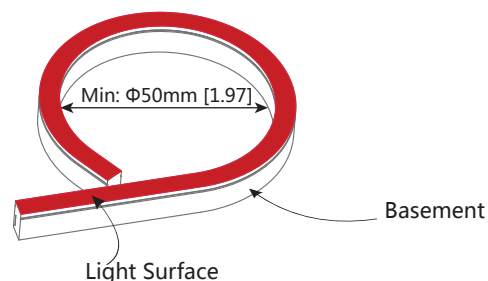
### Dimension



### Application

- ▼ Signage lighting
- ▼ Outdoor/indoor decoration lighting
- ▼ Contour application

### Minimum Bend Diameter










The light can only be bent laterally(opposite bent along to light surface).  
Do not bend smaller than allowed minimum bend diameter.

More info, please contact:  
Tel: +86 0755 2308 9165  
Email: [sales@dayup-lighting.com](mailto:sales@dayup-lighting.com)  
[www.dayup-lighting.com](http://www.dayup-lighting.com)

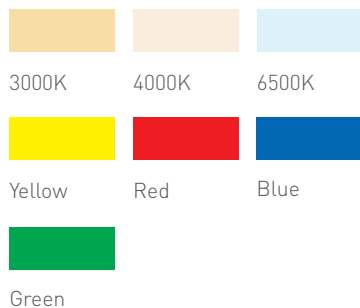
## SILICONE EXTRUSION NEON STRIP

### Specifications

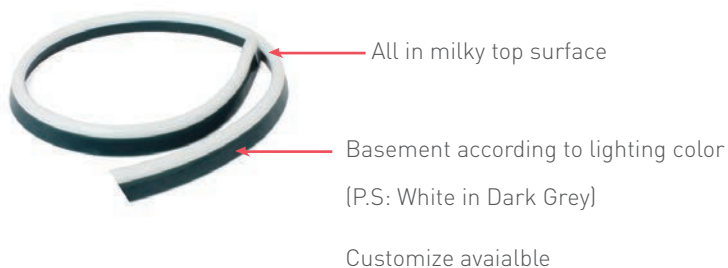
<b>LED Type</b>	SMD 3014	<b>Materials</b>	Silicone
<b>LED Q'ty/m</b>	120pcs	<b>IP Rated</b>	IP68
<b>Input Voltage</b>	24VDC Constant Voltage	<b>Installation</b>	Bracket, or Aluminum channel
<b>Power Consumption/m</b>	9.6W/m	<b>Working Temperature</b>	-25~+60℃
<b>Viewing Angle</b>	150°	<b>Running Length</b>	Single feed: 15m / 49.2 feet Double feed: 30m / 98.4feet
		<b>Certification</b>	CE, RoHs
		<b>Warranty</b>	5 years

Order Code	CCT Wavelength/Color	Lumen/M
DP-N2-4	 Warm White 3000K	450-630
	 Daylight 4000K	450-630
	 Cool White 6500K	450-630
	 Red 620-625nm	250-320
	 Green 520-525nm	390-440
	 Blue 465-470nm	85-100
	 Yellow 585-590nm	320-480

### Color Available



### Color Instruction



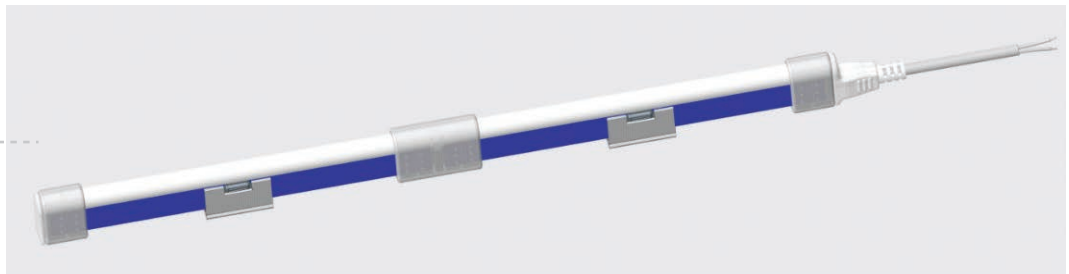
## Re-connecting Accessories

There are 2 options for reconnection as below draft.

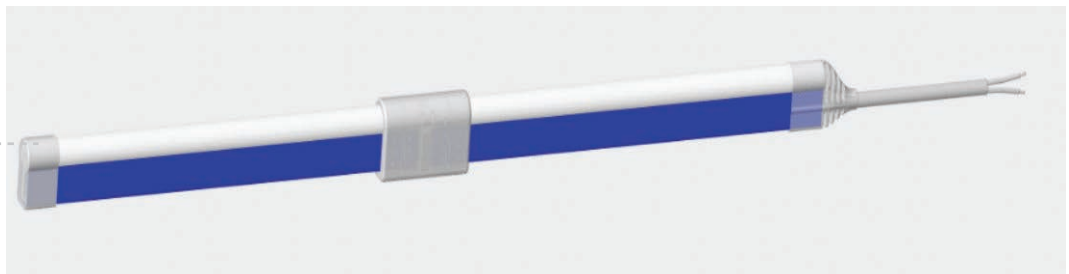
You may choose any one type upon your project. Type A won't soldering for input cable, Type B will need to solder the input cable, but the silicone end caps cover less light than Type A.

N2-4

A. Inset Pin  
end caps



B. Silicone  
End cap.

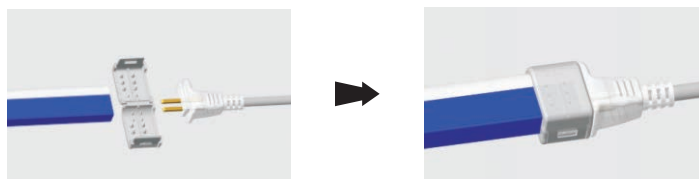


### Connectors

#### A. Simple Version

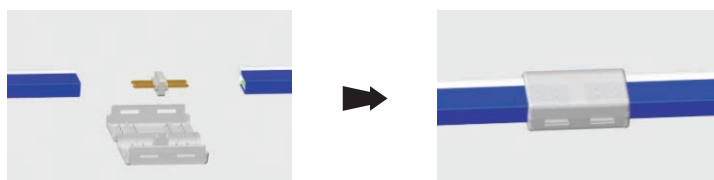
##### End Exit Cable

Connects light to power supply with pre-installed bottom cable, IP68.  
Standard 60mm cable length (For longer lengths please contact us).



##### Linear Re-connector

Connects two pieces of light together with the re-connection kits.  
IP68 Connectors



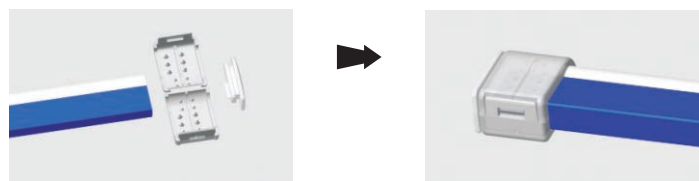
##### L shape Re-connector

Connects two pieces of light together with a L joint. IP68 Connector



##### End Cap

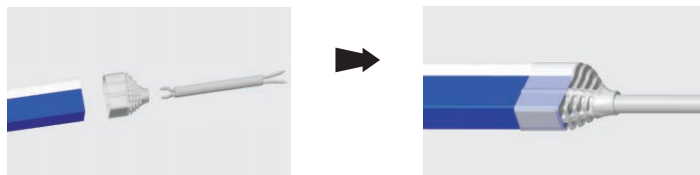
Pre-installed termination protection of the light. IP68



### B. Silicone End Fitting Version

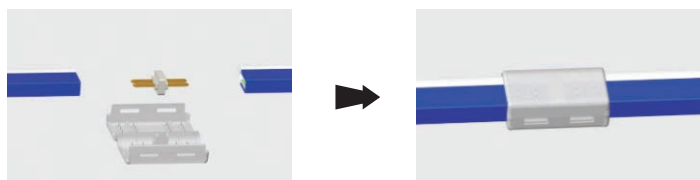
#### End Exit Cable

Connects light to power supply with pre-installed bottom cable, IP68.  
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#### Linear Re-connector

Connects two pieces of light together with the re-connection kits.  
IP68 Connectors



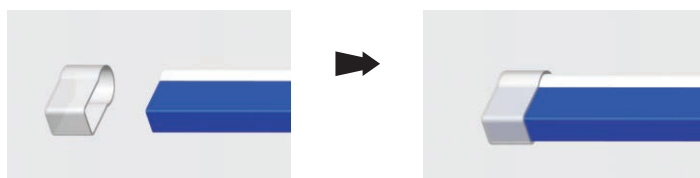
#### L shape Re-connector

Connects two pieces of light together with a L joint. IP68 Connector



#### End Cap

Pre-installed termination protection of the light. IP68



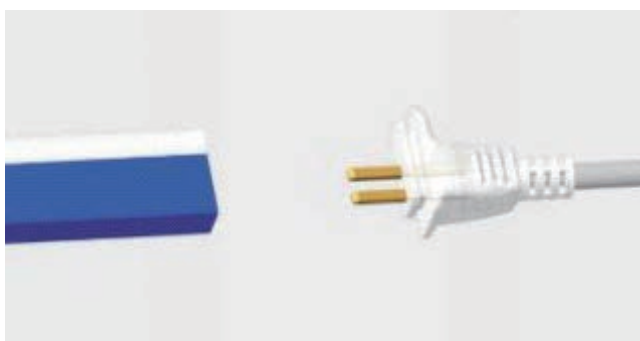
### Operation Guide of Connectors

#### A. Simple Version

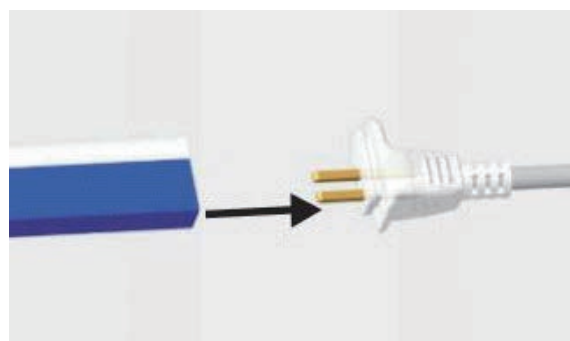


#### Power Connector installing guide(Step1--step5)

Step 1: Power Connector structure



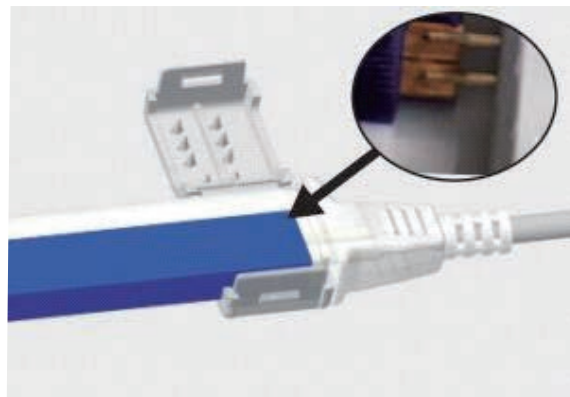
Step 2: Insert the pin (NOTE:Pin should be on the back of PCB)



Step 3: Put glue on the joint of strip and the housing connector, then put the strip into the housing

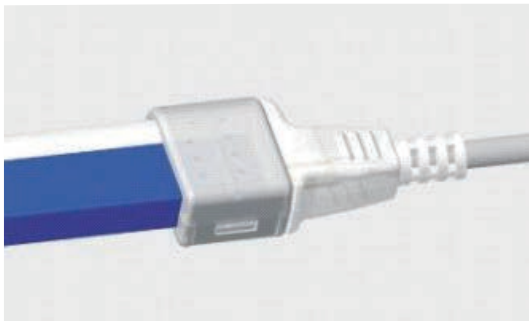


Step 4: Close the housing after glue



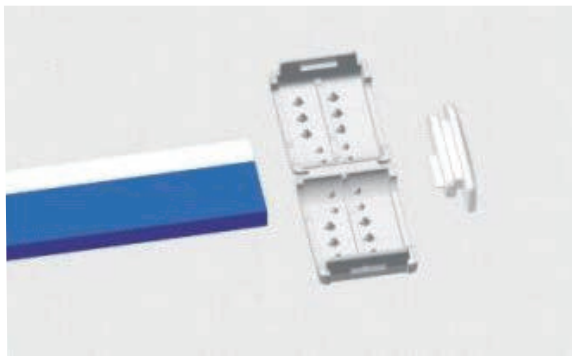
## SILICONE EXTRUSION NEON STRIP

Step 5: Final Power connector picture

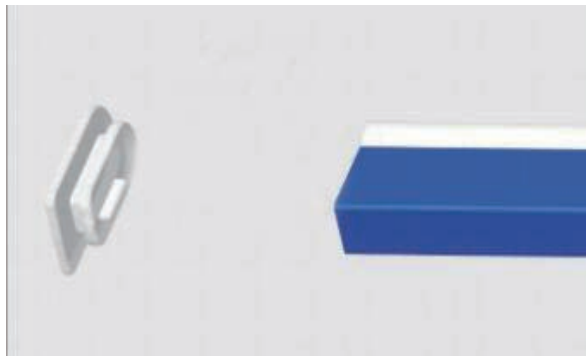


### End caps installing guide (Step1--step5)

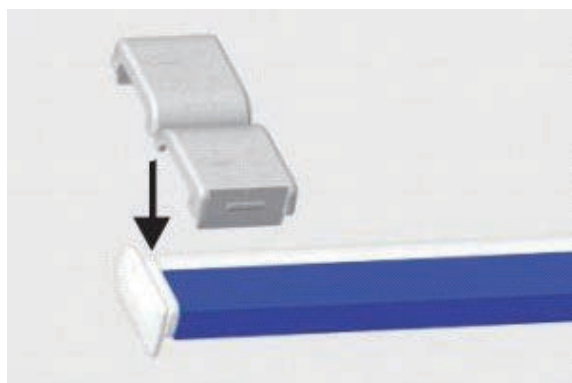
Step 1: End caps structure



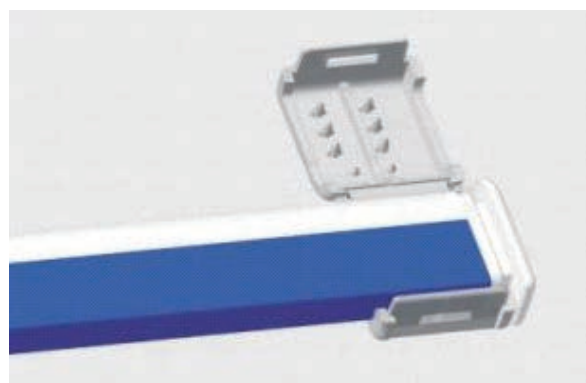
Step 2: Insert the end cap into the strip



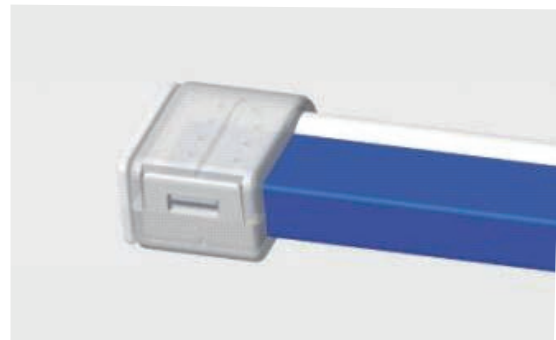
Step 3: Put glue at the joint of strip and the housing



Step 4: Close the housing after glue



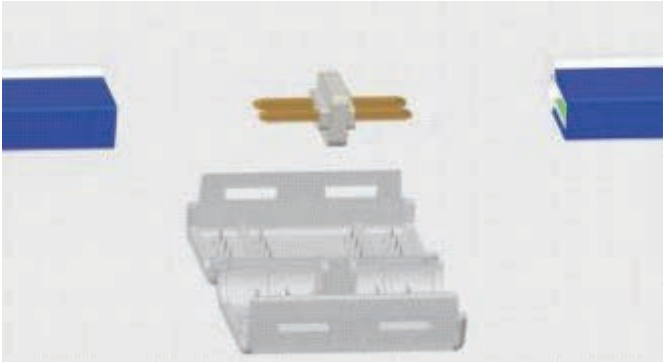
Step 5: Final end cap picture



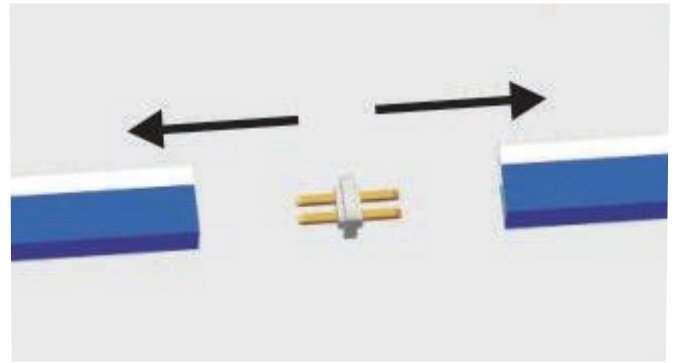
## SILICONE EXTRUSION NEON STRIP

### Re-connector installing guide (Step1--step5)

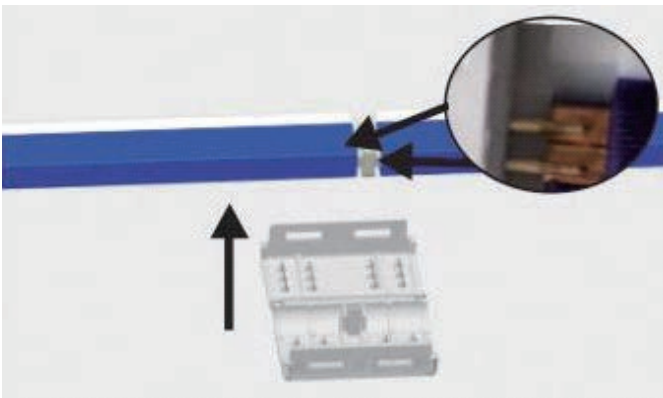
Step 1: Re-connector structure



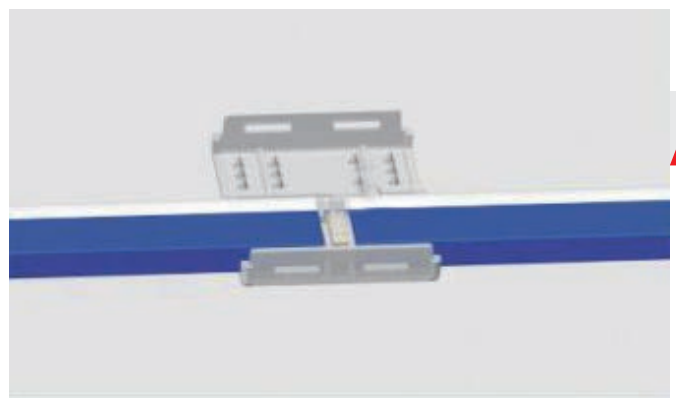
Step 2: Insert the pin into the strip (NOTE: Pin on the back of PCB)



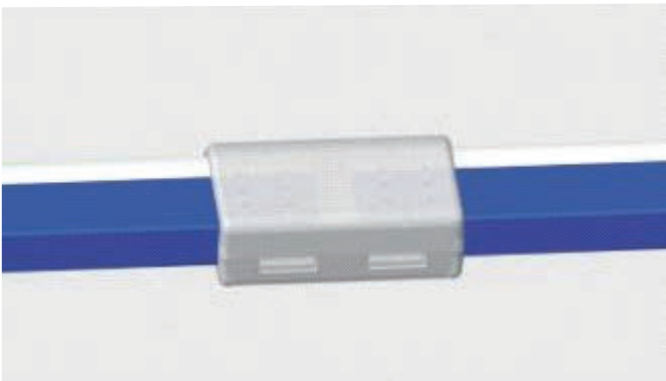
Step 3: Glue at the joint of strip and the housing



step 4: After glue close the housing



Step 5: Final Re-connection picture

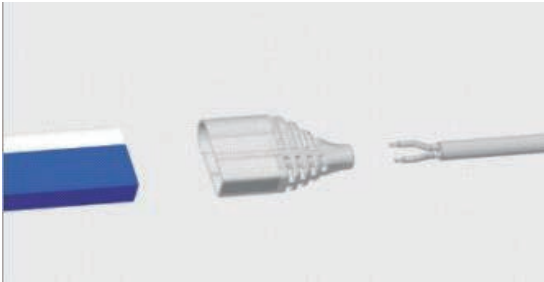




## B. Silicone End Fitting Version

### Power Connector Version (Step1--Step 4)

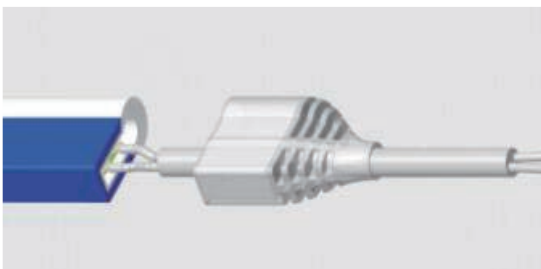
Step 1: Power connector structure



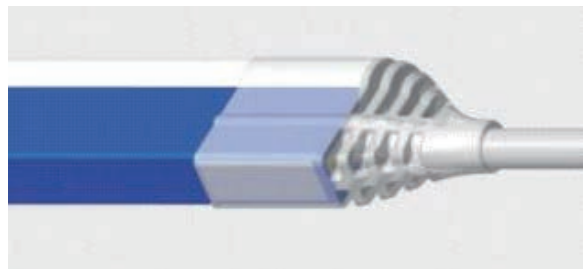
Step 2: Solder the power lead on the back of the PCB



Step 3: Glue the joint of strip and connector housing

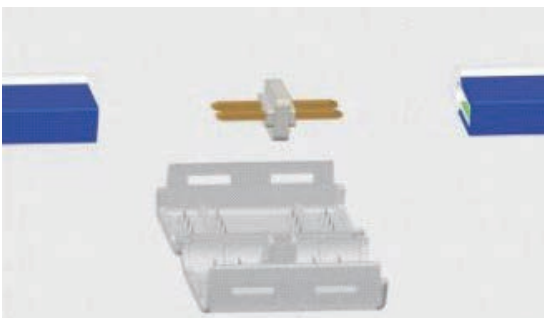


Step 4: Final Power Connector picture

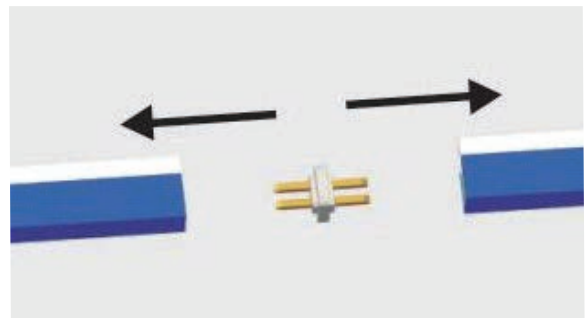


### Re-connector installing guide (Step1--step5)

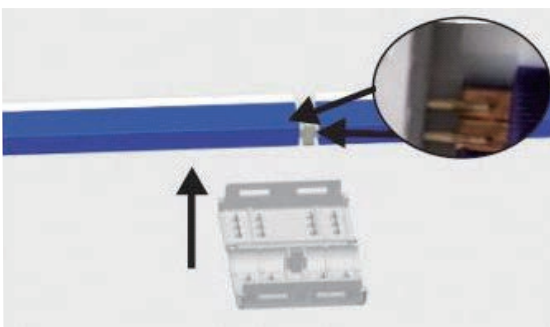
Step 1: Re-connector structure



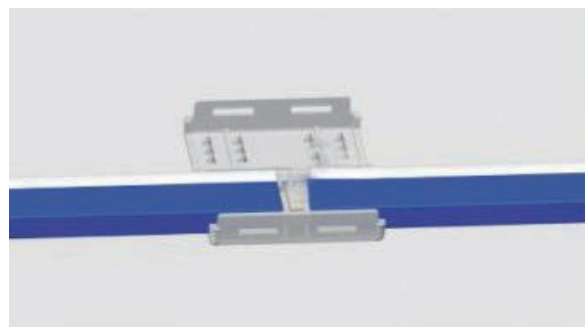
Step 2: Insert the pin into the strip (NOTE: Pin on the back of PCB)



Step 3: Glue at the joint of strip and the housing

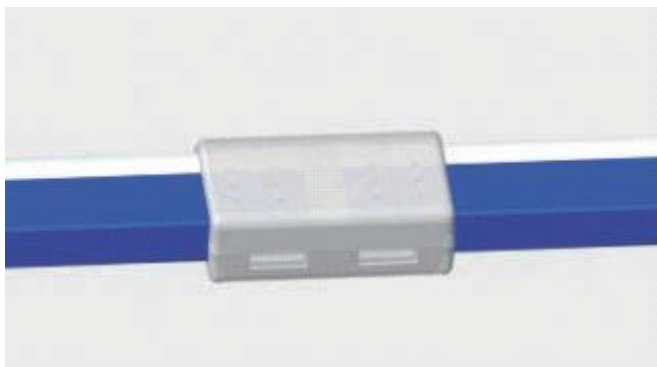


step 4: After glue close the housing



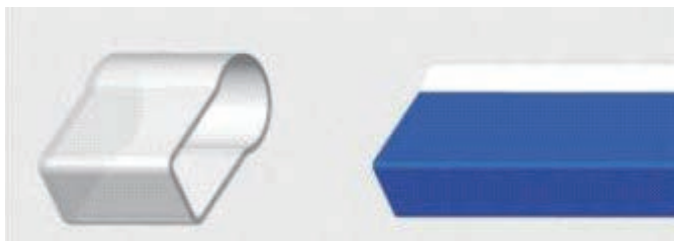
## SILICONE EXTRUSION NEON STRIP

Step 5: Final Re-connection picture

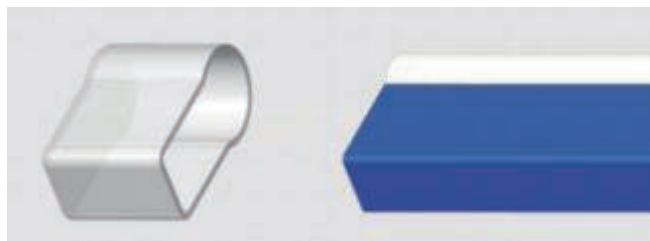


### End Cap installing guide (Step 1--Step 3)

Step 1: End Cap Structure



Step 2: Glue at the end of strip, put the end cap








Step 3: Final End Cap picture



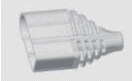


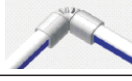



## SILICONE EXTRUSION NEON STRIP

### Optional Accessories Chart

#### A. Simple Version

Picture	Order Code	Description	Qty for Neon Strip Length (15m)	Qty for Neon Strip Length (30m)	Optional / free fittings
	DP-N2-4-PCI	Power supply connector set	2pcs	4pcs	Free
	DP-N2-4-ICSF	interconnection connector set-F	1 set	2 sets	Free
	DP-N2-4-ECS	End cap set	1 set	2 sets	Free
	DP-N2-4-LCS	interconnection L connector set	2 sets	4 sets	Optional
		Silicone glue(45ml)	/	/	Optional

#### B. Silicone End Fitting Version

Picture	Order Code	Description	Qty for Neon Strip Length (15m)	Qty for Neon Strip Length (30m)	Optional / free fittings
	DP-N2-4-PCIS	Power supply connector set	2pcs	4pcs	Free
			2pcs	4pcs	Free
	DP-N2-4-ICSF	interconnection connector set-F	1 set	2 sets	Free
	DP-N2-4-LCS	interconnection L connector set	1 set	2 sets	Optional
	DP-N2-4-EC	Silicoen End cap	2pcs	4pcs	Free
	DP-N2-4-ACL	Instalction aluminum profile, 1m/pc, with 3pcs fixing clips encased in bar	30 sets	60 sets	Optional
		Silicone glue(45ml)	/	/	Optional

## SILICONE EXTRUSION NEON STRIP

### Tools Required



Ratcheting Cutter



Electric Screwdriver



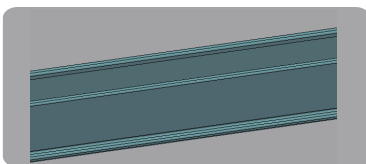
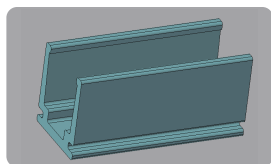
Brush



Portable Silicone glue

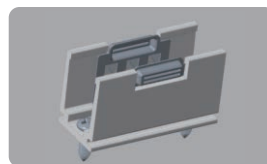
### Mounting Channel

#### Aluminum Mounting Channel



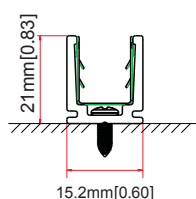
Standard Length	Part Number
35mm /	DP-N2-4-AS
1000mm / 39.37 inch	DP-N2-4-AL

#### Self-locking Aluminum Mounting Channel

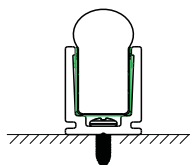


Standard Length	Part Number
35mm /	DP-N2-4-ACS
1000mm / 39.37 inch	DP-N2-4-ACL

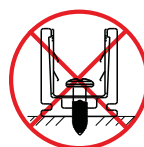
### Mounting



Fixed Channel without Light

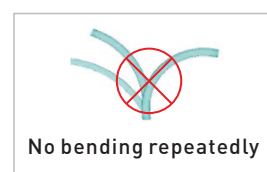
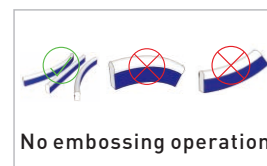
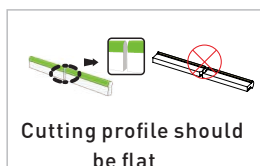


Fixed Channel with Profile Light

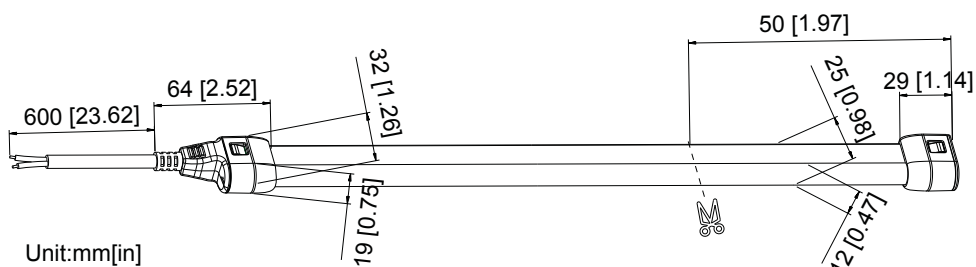


## SILICONE EXTRUSION NEON STRIP

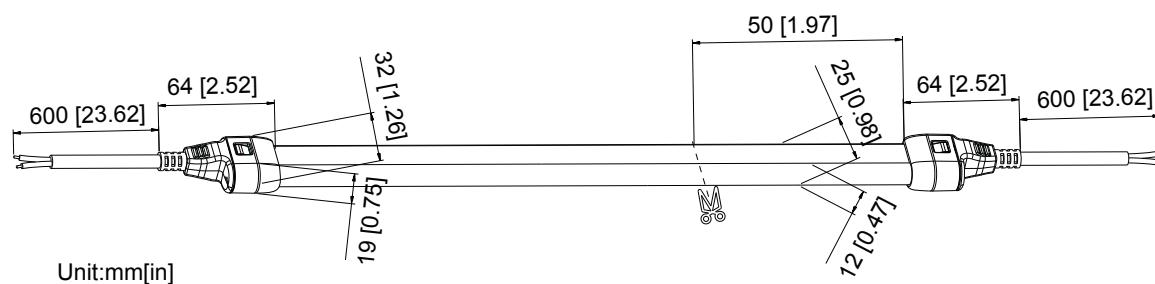
### Warning



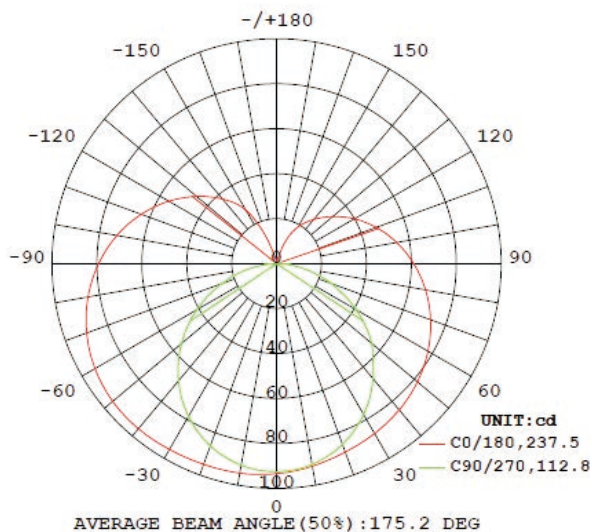
### Dimensions one end powered



### Dimensions two ends powered



### Luminous Intensity Distribution Diagram



### Power Supply Configuration Table

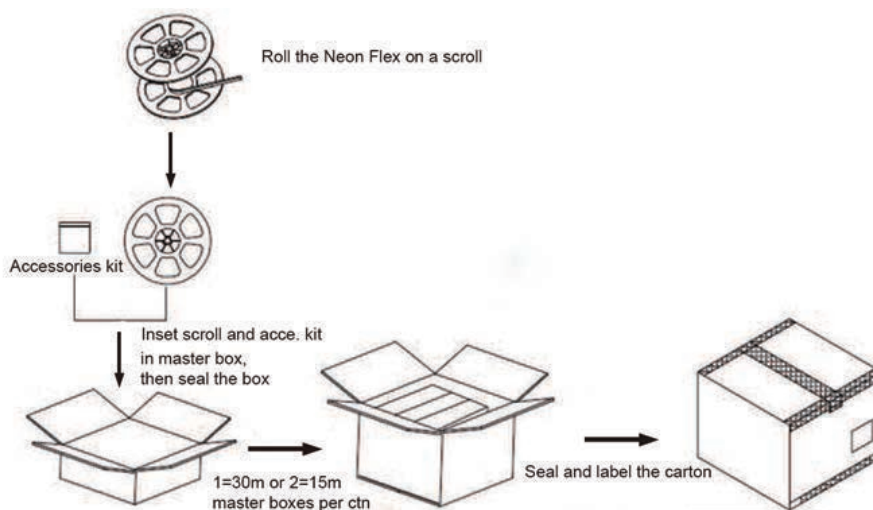
#### For Silicone End Fitting Version

Product standard length (m)	Rated Current (A)	Rated Voltage (V)	Rated Wattage (W)	Power Supply (W)	Power Feed
1	0.4	24	9.6	12	Single end
5	2	24	48	60	Single end
10	4	24	96	120	Single end
15	6	24	144	180	Single end
20	8	24	192	240	Both ends
25	10	24	240	300	Both ends
30	12	24	288	360	Both ends

### Installation Precautions

1. All installation and connection must be conducted by professional electrician.
2. 24VDC Class 2 Power Supply must be used with this light. Make sure to use appropriate PSU.
3. Ensure the overall length of the S type Neonflex does not exceed the maximum run length as  
15m-one end powered; 30m-two ends powered
4. Disconnect power before installing or servicing to avoid electrical shock.
5. For wet location installations, seal all possible water entry points and covers using by silicone.  
Failure to do so may result in product defective.

### Packing info



Product Code	Net Weight / CTN	Gloss Weight / CTN	Units / CTN	Carton Size
DP-N2-4 (15m)	8.5 (1±10%)kgs	12.3 (1±10%)kgs	2 rolls	375*370*370mm
DP-N2-4 (30m)	8.5 (1±10%)kgs	12.3 (1±10%)kgs	1 rolls	390*390*325mm