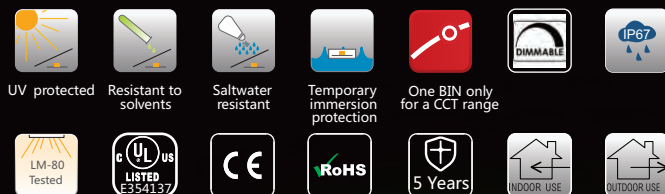


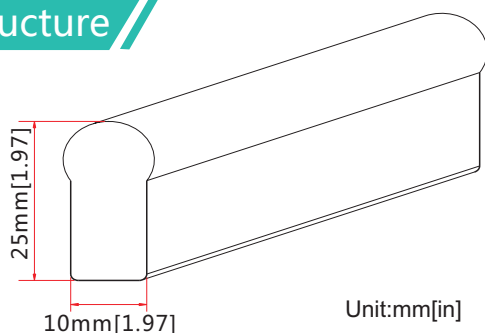
## SILICONE SIGNAGE SOLUTION



### 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]

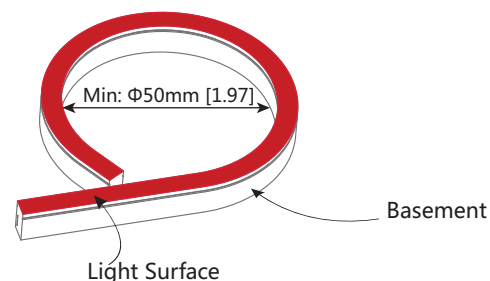
### Side cut structure



### Application

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

### Bending


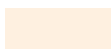
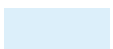







More info, please contact:  
Tel: +3213292829  
Email: [info@lucoled.com](mailto:info@lucoled.com)  
[www.lucoled.com](http://www.lucoled.com)

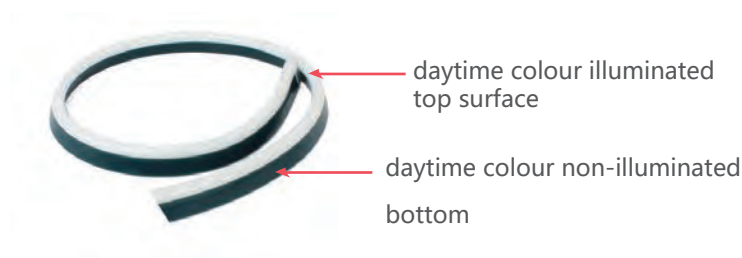
### Specifications

Part No.	F-xxxxx-c				
LED Q'ty/m	120pcs				
Input Voltage	20-30VDC				
Color	white	Red	Yellow	Green	Blue
Power/m	9.6W				
CCT/Wavelength	7465K	619.3nm	584.4nm	517.8nm	461.9nm
Luminous Flux/m	545.25lm	230.28lm	685.47lm	437.22lm	90.83lm
Working Length	15m - one end powered				
Viewing Angle	180°				
IP grade	IP67				
Installation	Bracket, or Aluminum channel				
Cutable Length	50mm (Laser marked in each 5cm)				
Working Temp.	-20 ~ +60°C				
Certification	cULus Listed, CE, RoHs				
Warranty	5 years				

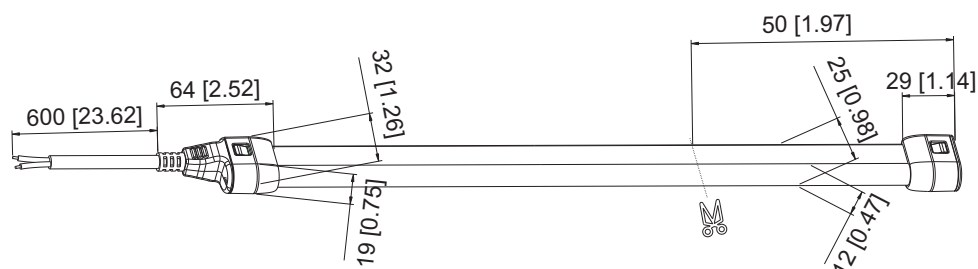
### Color Available

		
2800-3200K	4000-4500K	6500-7000K
		
Yellow	Red	Blue
		
Green	Orange	

### Color Instruction

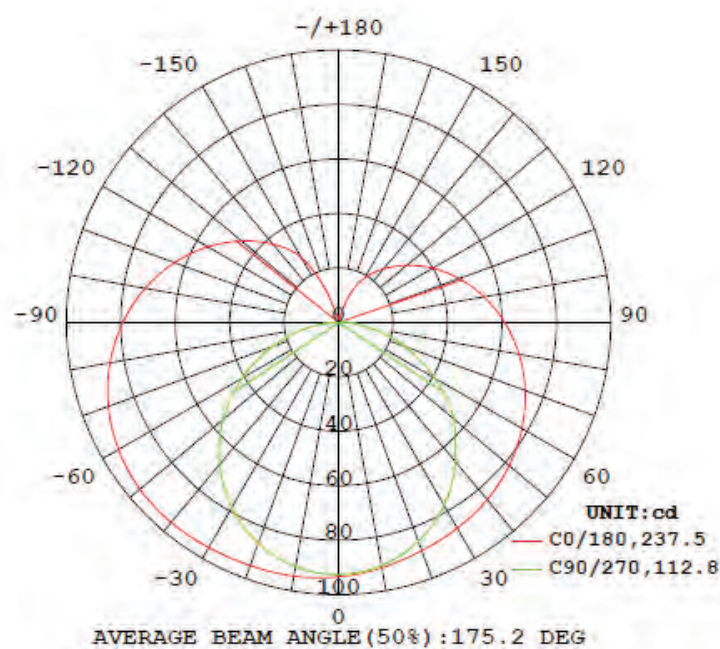


## Dimensions one end powered



Unit:mm[in]

## Luminous Intensity Distribution Diagram



## Solder connection Length VS top-end luminance (Single end)



## Luminous VS Voltage

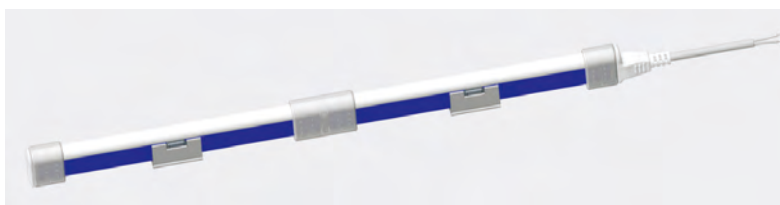


NOTE: The Data is based on 1M F-06500-W White test.

### Types of Lucoflex

#### LUCOFLEX

A.Pin Connector  
Version









B.Solder Silicone  
End Fitting Version




### Optional Accessories Chart

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#### A. Simple Version

Picture	Order Code	Description	Qty for Neon Strip Length (15m)	Optional /free fittings
	F-18004	Power supply connector set	2pcs	Free
	F-18007	interconnection connector set-F	1 set	Free
	F-18009	End cap set	2 sets	Free
	F-18008	Interconnection L connector set	1set	Free
	F-18002	Installation aluminum set	30 sets	Optional
	F-18011	Silicone glue(45ml)	1pcs	Optional

**B. Silicone End Fitting Version**

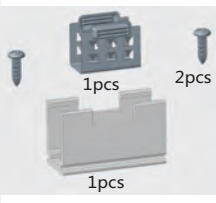



Picture	Order Code	Description	Qty for Neon Strip Length (15m)	Optional / free fittings
	F-18004	Power supply connector set	2pcs	Free
			2pcs	Free
	F-18007	interconnection connector set-F	1 set	Free
	F-18010	Silicoen End cap	2pcs	Free
	F-18008	interconnection L connector set	1 pcs	Free
	F-18005	Power supply connector set-Bottom	2 pcs	Free
	F-18006	Power supply connector set-Side	30 sets	Optional
	F-18011	Silicone glue(45ml)	1 pcs	Optional

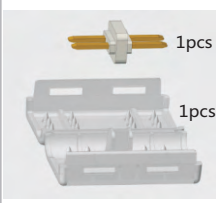


**6**
**Power Supply Configuration Table**
**For Silicone End Fitting Version**

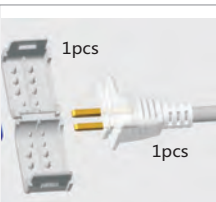


Product standard length (m)	Rated Current (A)	Rated Voltage (V)	Rated Wattage (W)	Power Supply (W)	Power Feed
1	0.4	24	9.6	30	Single end
5	2	24	48	60	Single end
10	4	24	96	150	Single end
15	6	24	144	200	Single end

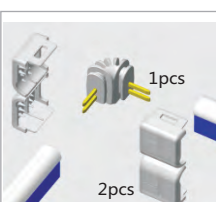
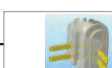

NOTE : If the Length is shorter than 15m, recommend single end supply.

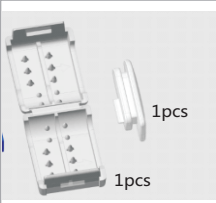


### Accessory sets instructor

F-18001	Accessory parts
	 3014 Aluminum Mounting Clips
	 3014 Aluminum Mounting Channel
	 Screws

F-18007	Accessory parts
	 Foldable cap
	 interconnector

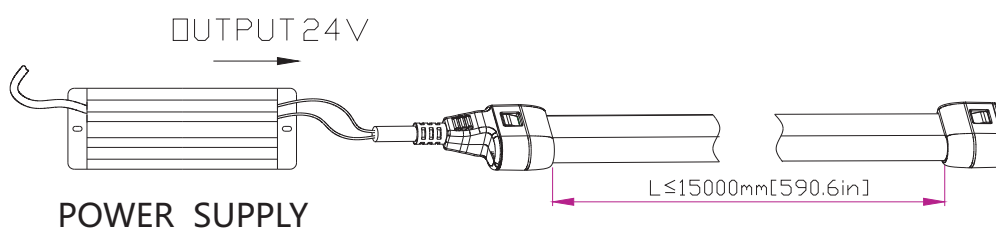
F-18004	Accessory parts
	 Input wire
	 Foldable cap

F-18008	Accessory parts
	 interconnector
	 Foldable cap

F-18009	Accessory parts
	 End Cap
	 Foldable cap

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### Power supply connection





### Tools Required



Ratcheting Cutter



Electric Screwdriver



Brush

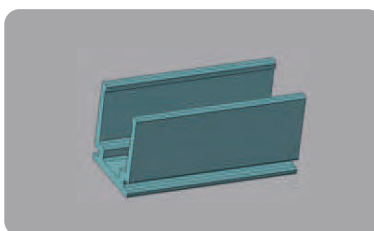


F-18011 Silicone glue

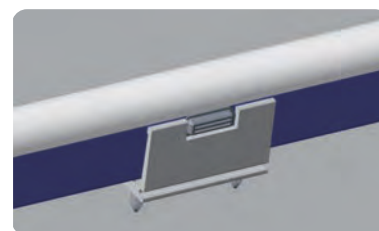
### Self-locking Aluminum Mounting Kit



- 1 Fix the bracket inside of aluminum profile clip F-18002  
For curved installations.



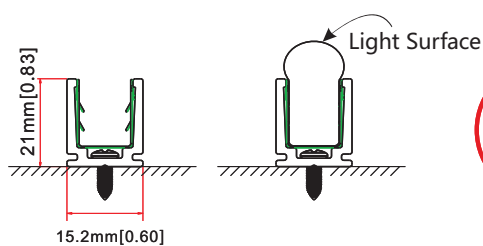
- 2 Or use the Aluminum profile F-18001 directly  
For straight line installations.



- 3 Push the lights into the self-locking kit



- 4 Ready



Unit:mm[in]

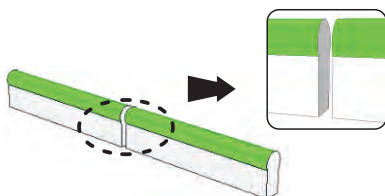




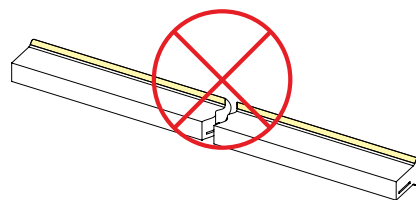
## Warning



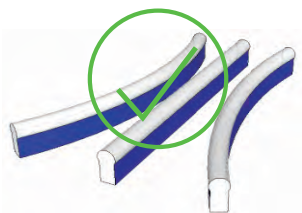
Cutting mark



cutting position has to be straight



Do not distort



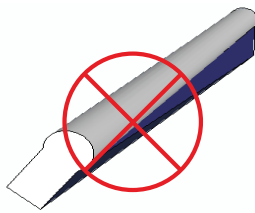
Do not Bend 90°



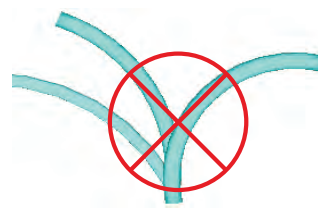
No embossing operation



No embossing operation



Do not twist

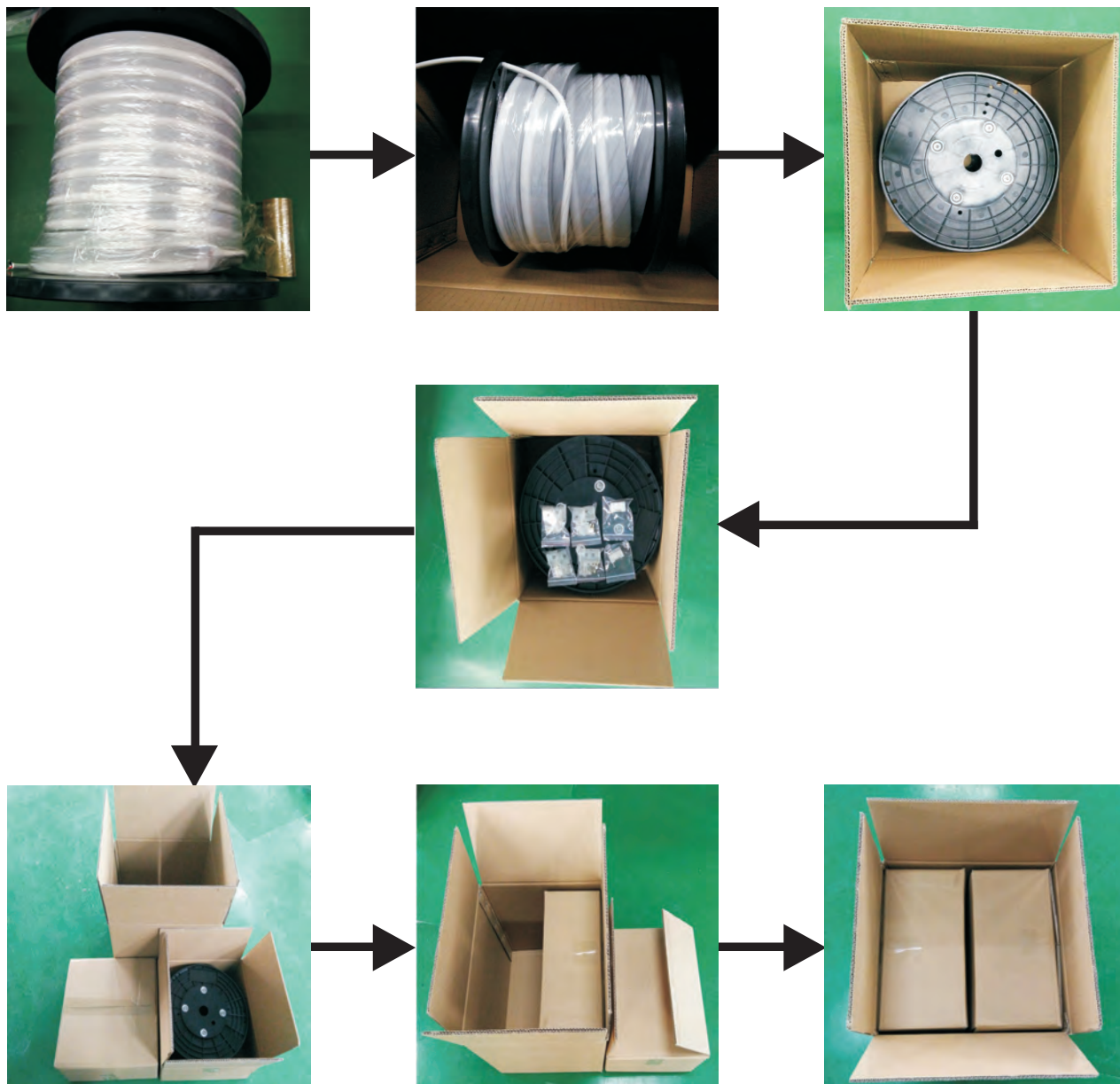


Do not repeatedly bending  
This will damage the circuit

## 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 Lucoflex 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 defective product.

## Packing info

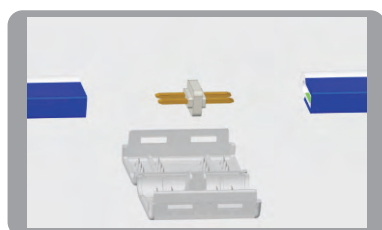


10

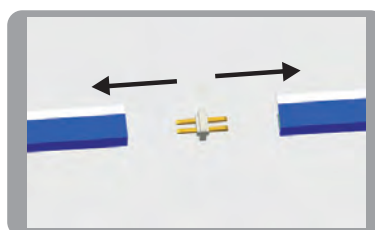
Product Code	Net Weight / CTN	Gross Weight / CTN	Units / CTN	外箱尺寸
F-CCCCC-C (15m)	8.5 (±10%) kgs	12.31(±10%) kgs	2 rolls	430*400*390mm

## Attachment: Installation Details Direction

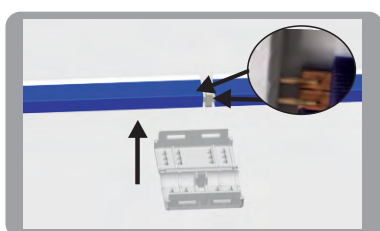
### Re-connector installing guide (Straight)



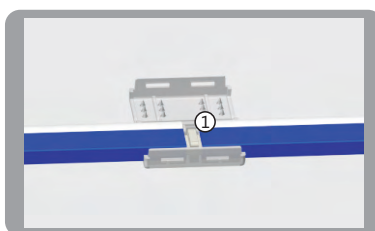
❶ Re-connector structure



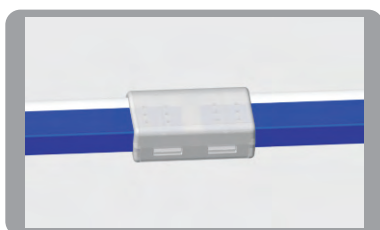
❷ Insert the pin into the strip  
(NOTE: Pin on the back of PCB)



❸ Glue at the joint of strip and the housing

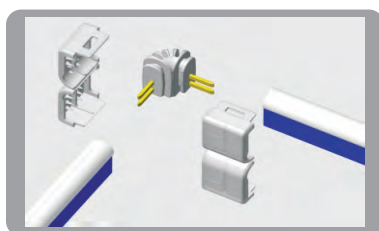


❹ After glue close the housing,

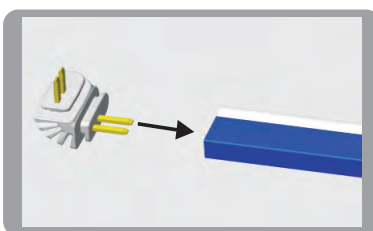


❺ Final Re-connection picture

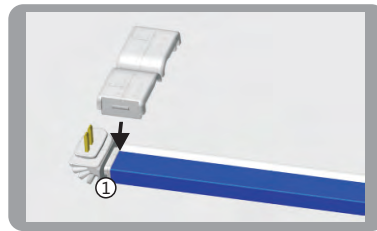
## Re-connector installing guide (L style)



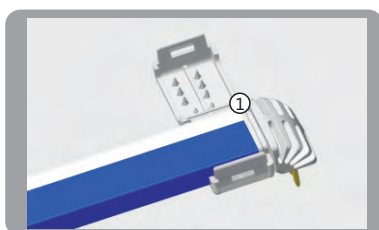
1 Re-connector structure



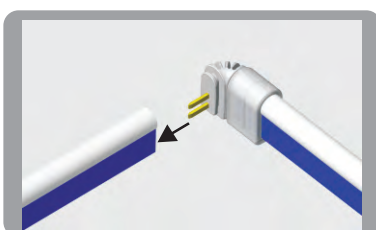
2 Insert the pin into the strip  
(NOTE: Pin on the back of PCB)



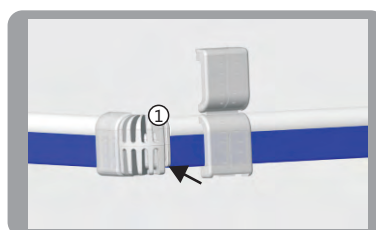
3 Glue at the joint of strip and the housing, then put the strip back to the foldable cap (NOTE: The arrow of the cap is on to the pin)



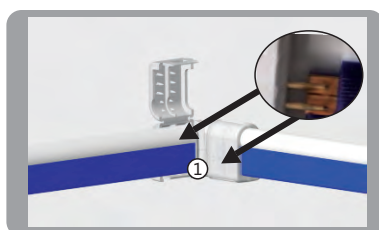
4 After glue closing the housing



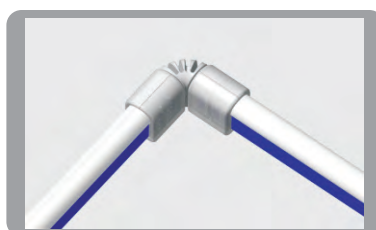
5 Insert the pin into the strip again  
(NOTE: Pin on the back of PCB under the PET tape!)



6 Again Glue at the joint of strip and the housing, then put the strip back to the foldable cap (NOTE: The arrow of the cap is on to the pin)



7 After glue closing the housing



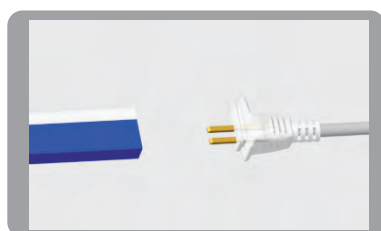
8 Final picture

NOTE: 1. It shows where the board is. So when putting the chips, Please give it good attach.  
2. It has to finish all the silicone glue at every re-connections for waterproof and insulation.

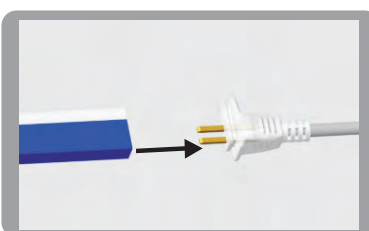
## Attachment: Installation Details Direction

### Simple Version

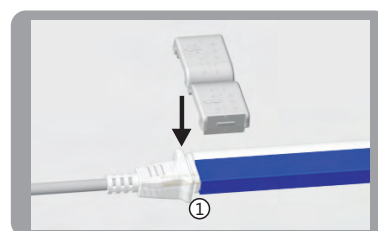
#### Input side installation guide



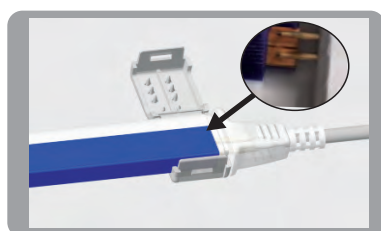
① Power Connector structure



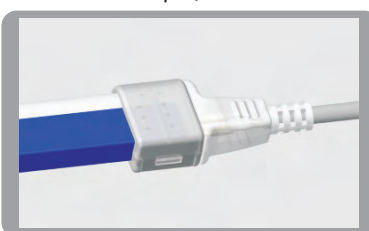
② Insert the pin (NOTE: Pin should be on the back of PCB between PCB and PET tape!)



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



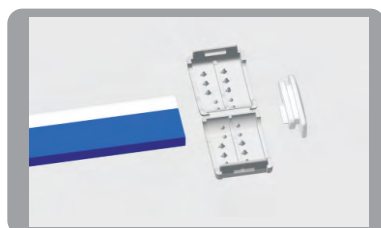
④ Close the housing after glue



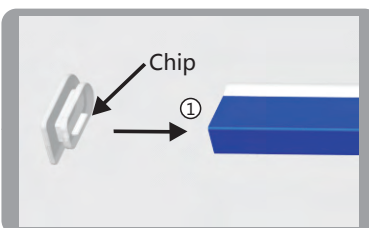
⑤ Final picture

13

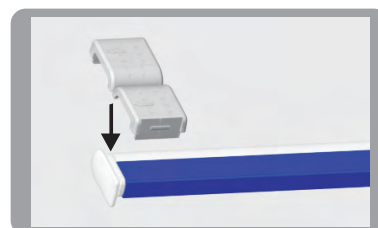
#### End cap installation guide



① End cap structure



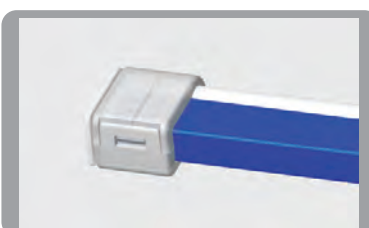
② Insert the end cap into the strip (Note: The chip has to go to the back of the PCB board)



③ Put glue at the joint of strip and the housing



④ Close the housing after putting the glue on the end.



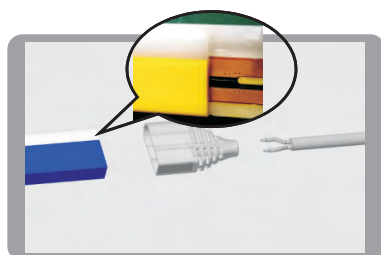
⑤ Final Picture

NOTE: 1. It has to finish all the silicone glue at every re-connections for waterproof and insulation.  
2. Give it good attachment when chips and board is attached.

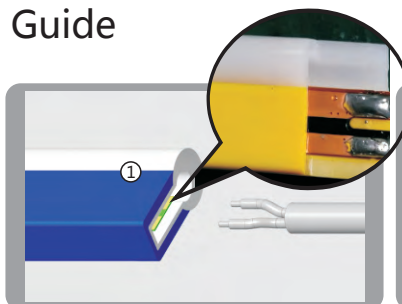
## Attachment: Installation Details Direction

### Silicone End Fitting Version

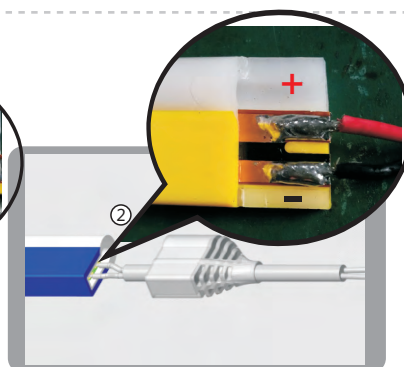
#### Silicone End Fitting Detail Guide



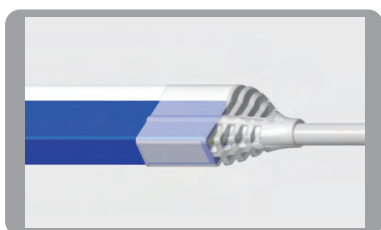
① Power connector structure



② Solder the power lead on the back of the PCB



③ Glue the joint of strip and connector housing



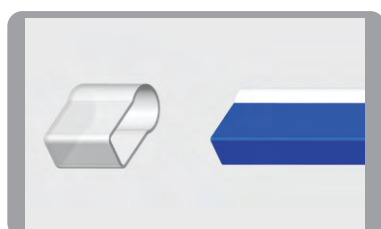
④ Final Picture



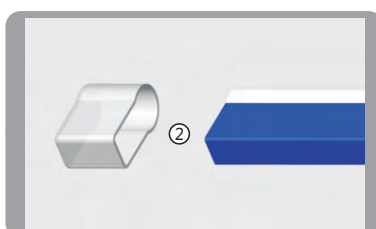
⑤ Positive and Negative Instruction

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#### End Cap installing guide



① End Cap Structure



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



③ Final picture

NOTE: ① It shows where the board is. So when putting the chips, Please give it good attach.

② It has to finish all the silicone glue at every re-connections for waterproof and insulation.