

Features

- Pixelation-free with exactly the deep rich neon color
- Constant current IC technology for enhanced reliability
- Consistent brightness without any decay
- Cuttable every 50mm[1.97in] for excellent flexibility
- UL, RoHs and CE listed
- Wide voltage input with over temperature and over voltage protection
- IP67 protection with high performance silicone
- Dimmable with external controller

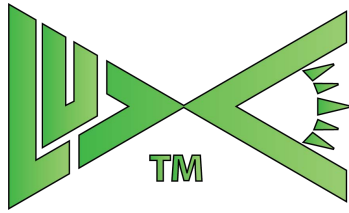
Application

- Decorative & landscape lighting
- Accent lighting
- Signage
- Architectural and interior outlines

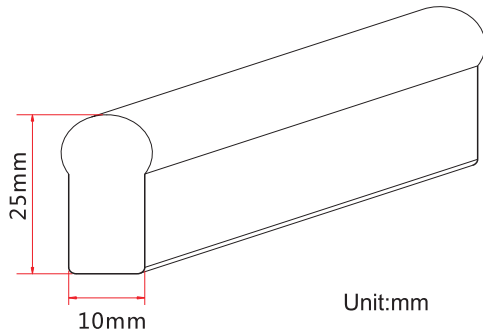
Installation

- Bracket, or Aluminum channel

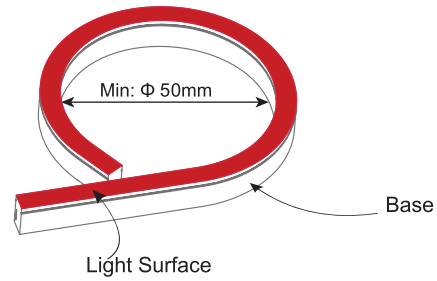




Side Cut Structure



Bending



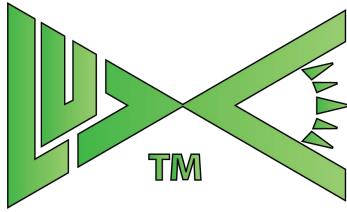
Optical & Electrical Parameters

Model No.	Light Color	CCT/Wavelength	Beam Angle	Luminous Flux (lm/m)	Ra	Voltage (DC V)	Power (W/m)
N2-4	White	7465K	180°	546	--	24	9.6
	Red	619.3nm		231	--		
	Yellow	584.4nm		686	--		
	Green	517.8nm		438	--		
	Blue	461.9nm		91	--		

Other Parameters

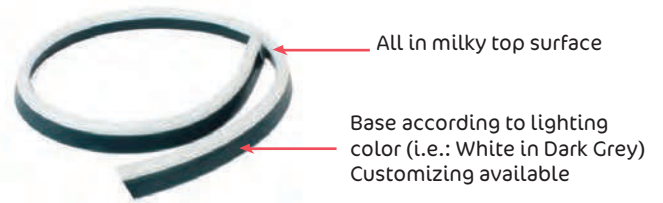
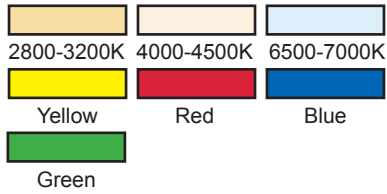
Model No.	LED Quantity (pcs/m)	Min Cuttable Length(mm)	Working Temperature	Storage Temperature
N2-4	120	50	-20~+60	-20~+70





Color Available

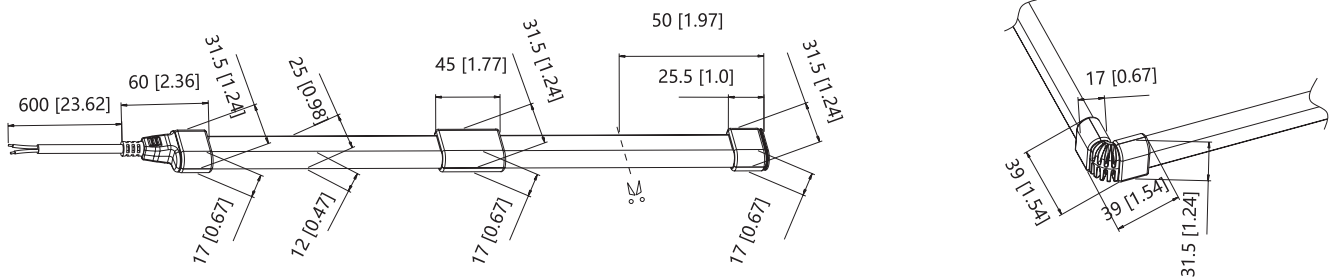
Color Instruction



Profile Drawings

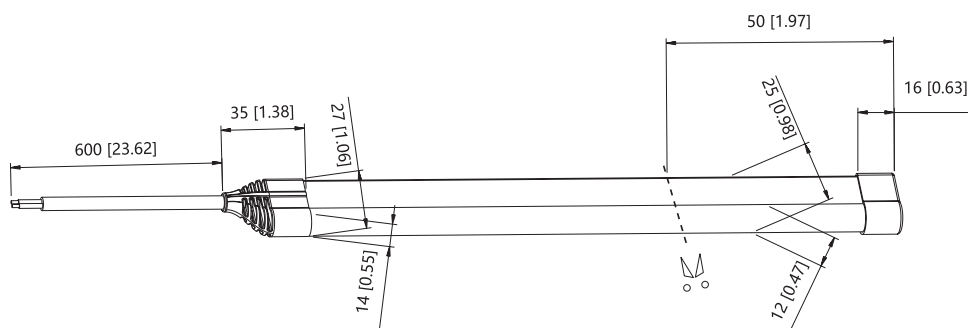
Simple Version (Single Feed)

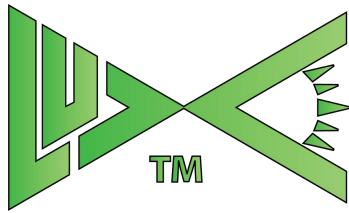
Unit:mm



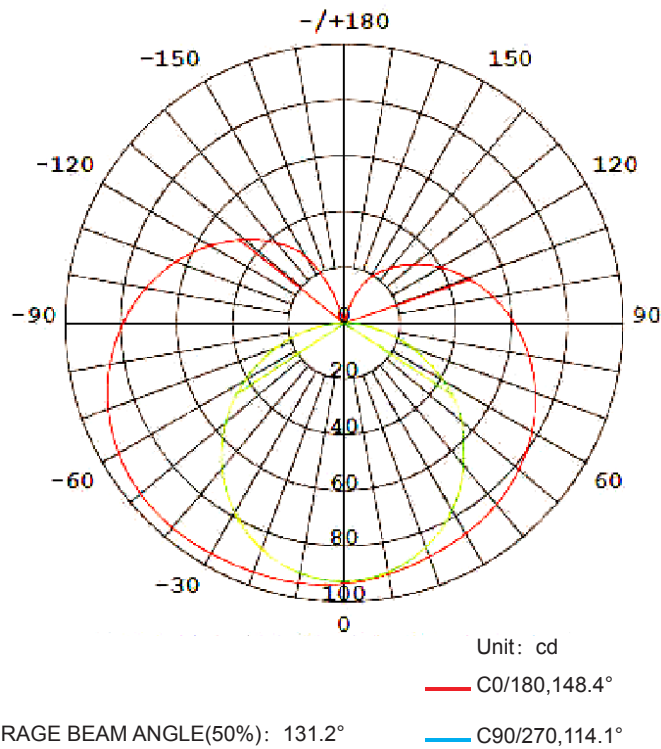
Silicone End Version (Single Feed)

Unit:mm

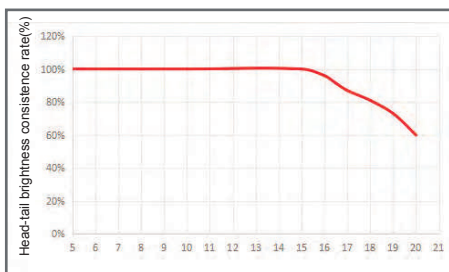




Luminous Intensity Distribution Diagram

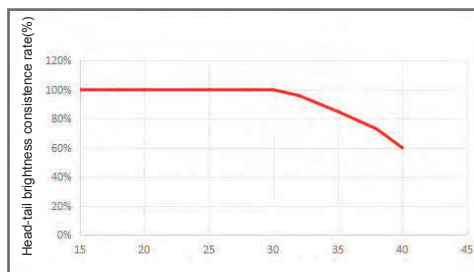


Series Connection Length vs. Top-End Luminance (Single Feed)



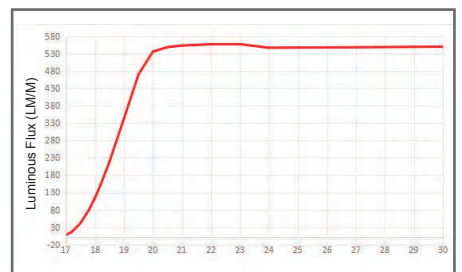
Series Connection Length (M) (Single Feed)

Series Connection Length vs. Top-End Luminance (Double Feed)



Series Connection Length (M) (Double Feed)

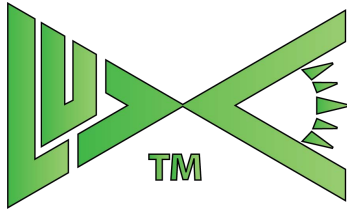
Luminous Flux vs. Voltage



Voltage(V)

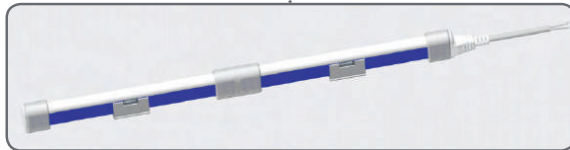
Note: The above tested data is based on one meter N2-4 neon light.



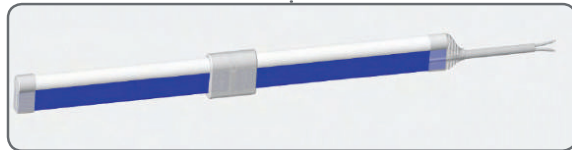


Product Versions

N2-4



Simple Version



Silicone End Version

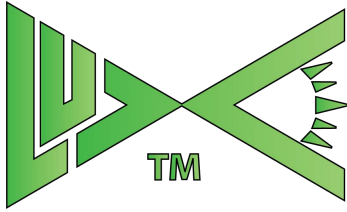
Accessories List

Simple Version






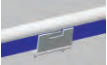

Picture	Description	Qty(15m)	Qty(30m)	Optional /Free
	Description	2 Sets	4 Sets	Free
	Splice connector	1 Sets	2 Sets	Free
	O-ring	2 Sets	4 Sets	Free
	Gasket	2 Sets	4 Sets	Free
	L Connector	1 Sets	2 Sets	Free
	End caps	2 Sets	4 Sets	Free
	Bottom exit	2 Sets	4 Sets	Optional
	Right side exit	2 Sets	4 Sets	Optional
	Left side exit	2 Sets	4 Sets	Optional
	Aluminum track	30 Sets	60 Sets	Optional
	923L	1 Sets	2 Sets	Optional

Note:
The difference of each product version is in the fittings.
Recommended 2 sets mounting accessories per meter Aluminum track.



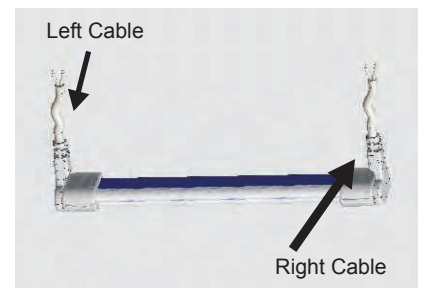
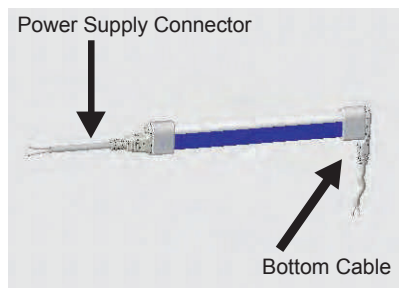
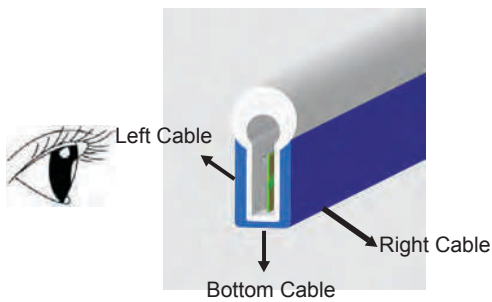


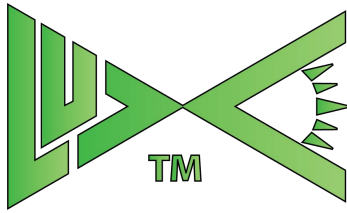
Silicone End Version

Picture	Description	Qty(15m)	Qty(30m)	Optional /Free
	Power supply connector	2 Sets	4 Sets	Free
	White sheathed wire	2 Sets	2 Sets	Free
	Splice connector	1 Sets	4 Sets	Free
	L Connector	1 Sets	4 Sets	Free
	Silicone End cap	2 Sets	2 Sets	Free
	Aluminum track	30 Sets	4 Sets	Optional
	923L	1 Sets	4 Sets	Optional

Note: Recommended 2 sets mounting accessories per meter Aluminum track.

Cable Instruction





Accessory Sets (Simple Version)

Input part of End Exit	Description				
	<table border="1"> <tr> <td></td> <td>Power connector (end exit)</td> </tr> <tr> <td></td> <td>Foldable housing</td> </tr> </table>		Power connector (end exit)		Foldable housing
	Power connector (end exit)				
	Foldable housing				

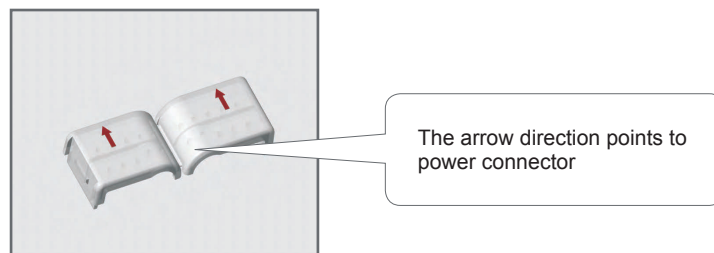
End cap part	Description				
	<table border="1"> <tr> <td></td> <td>End cap</td> </tr> <tr> <td></td> <td>Foldable housing</td> </tr> </table>		End cap		Foldable housing
	End cap				
	Foldable housing				

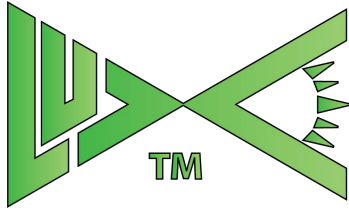
Input part of bottom exit	Description				
	<table border="1"> <tr> <td></td> <td>Bottom exit</td> </tr> <tr> <td></td> <td>Foldable housing</td> </tr> </table>		Bottom exit		Foldable housing
	Bottom exit				
	Foldable housing				

Input part of right side exit	Description				
	<table border="1"> <tr> <td></td> <td>Right side exit</td> </tr> <tr> <td></td> <td>Foldable housing</td> </tr> </table>		Right side exit		Foldable housing
	Right side exit				
	Foldable housing				

Input part of left side exit	Description				
	<table border="1"> <tr> <td></td> <td>Left side exit</td> </tr> <tr> <td></td> <td>Foldable housing</td> </tr> </table>		Left side exit		Foldable housing
	Left side exit				
	Foldable housing				

1Note: ① Arrow explanation on foldable housing





Power Supply Configuration Table

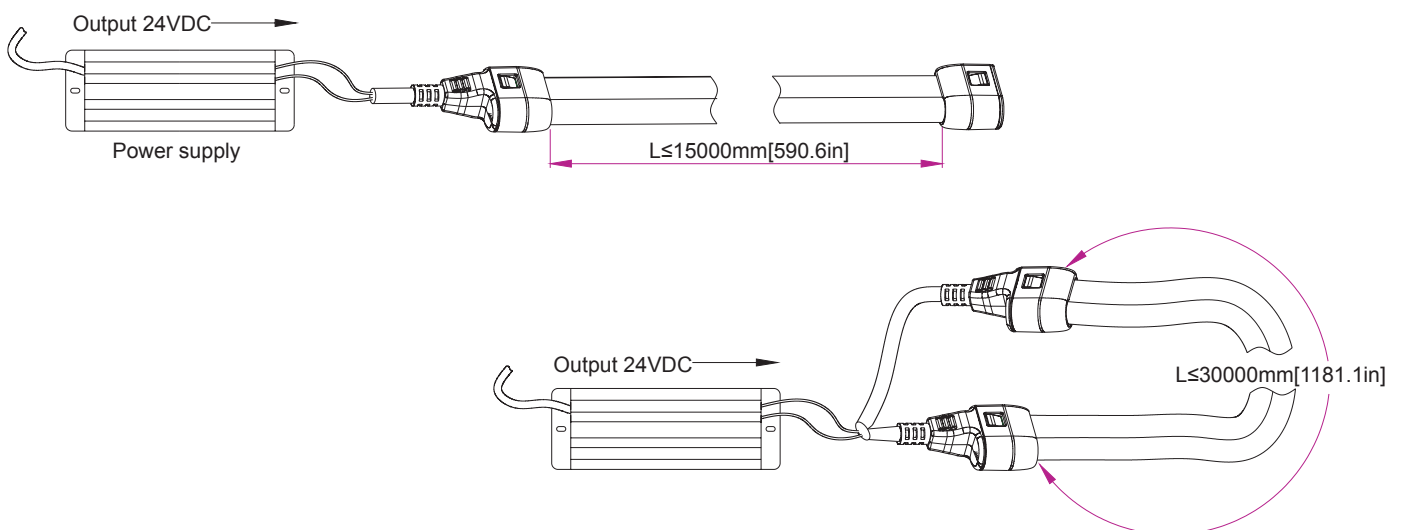
Product standard length (m)	Rated Current (A)	Rated Voltage (V)	Rated Wattage (W)	Power Supply (W)	Power Feed
1	0.4	24	9.6	≥12	Single end
5	2	24	48	≥60	Single end
10	4	24	96	≥120	Single end
15	6	24	144	≥180	Single end
20	8	24	192	≥240	Both ends
25	10	24	240	≥300	Both ends
30	12	24	288	≥360	Both ends

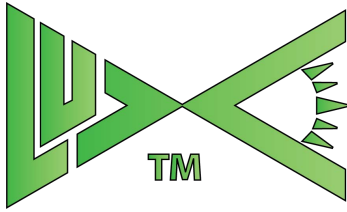
Note:

If the length is shorter than 15m, recommend single feed supply.
 If the length is longer than 15m shorter than 30m, recommend supplement both feed.

Power Supply Connection

Unit:mm[in]

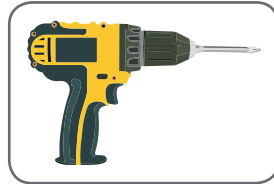




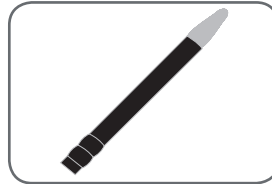
Tools



Ratcheting Cutter



Electric Screwdriver



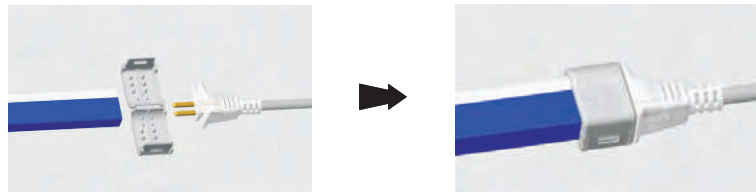
Brush



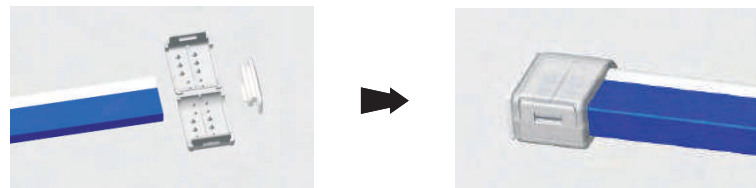
Portable Silicone Glue

Simple Version

End exit

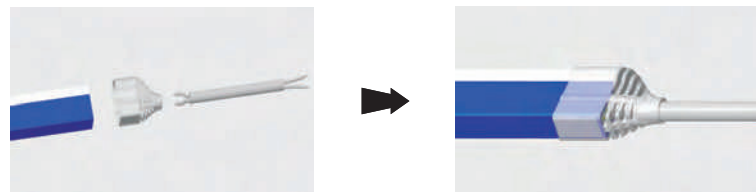


End cap



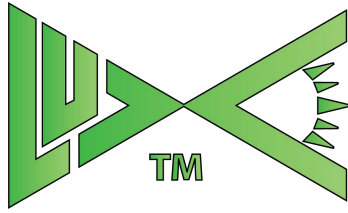
Silicone End Version

End exit



End cap

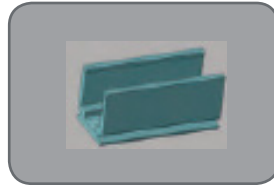




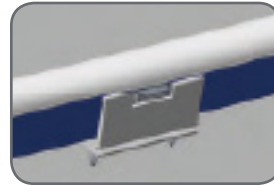
Self-locking Aluminum Mounting Kit



Aluminum track with grip plate



Aluminum track only



Push the light into the Aluminum track

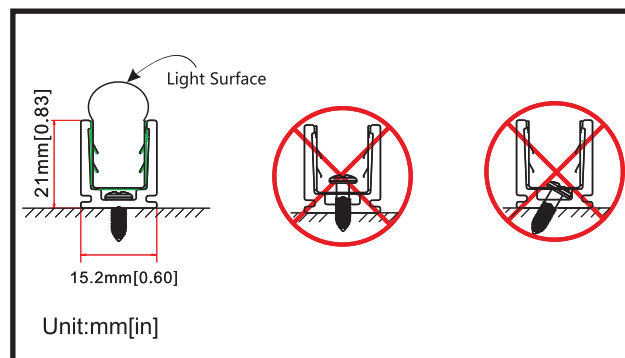


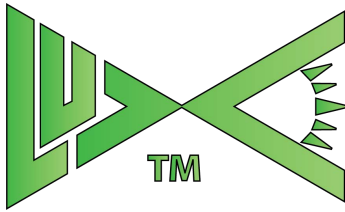
Power the light to ensure that it is working properly

It is recommended to use Aluminum Track with Grip Plate to install the neon light.

Installation Face and Aluminum Track

Installation face		Free	Optional
	Top		
	Side		--
	Bottom		--

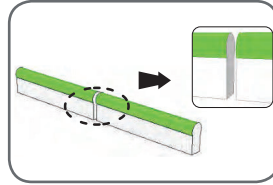




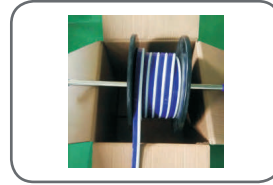
Warning



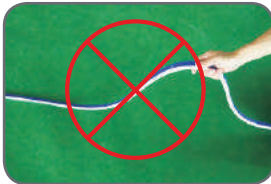
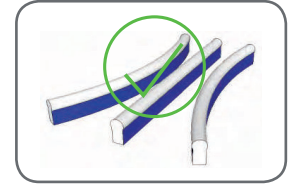
Cutable place



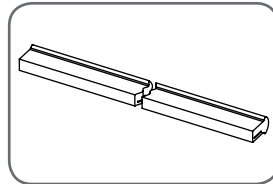
Cutting has to be straight



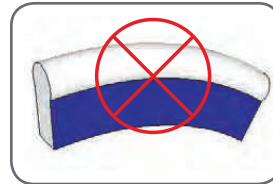
Slide a spindle into the roll and then place the roll with spindle on top of the box provided.



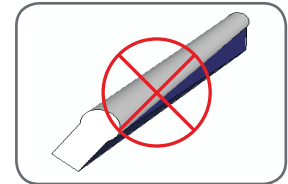
Gently unroll the fixture without excessive force.



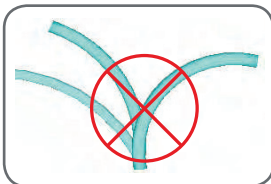
No uneven cutting



No embossing operation



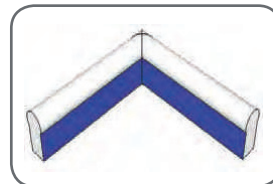
Do not twist



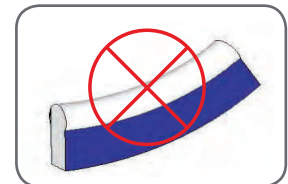
Do not bend repeatedly as this will damage the circuit



Do not twist



Do not bend 90°

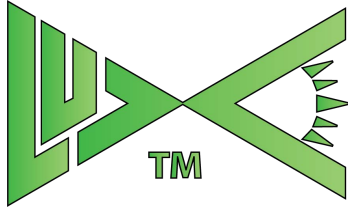


No embossing operation

Important

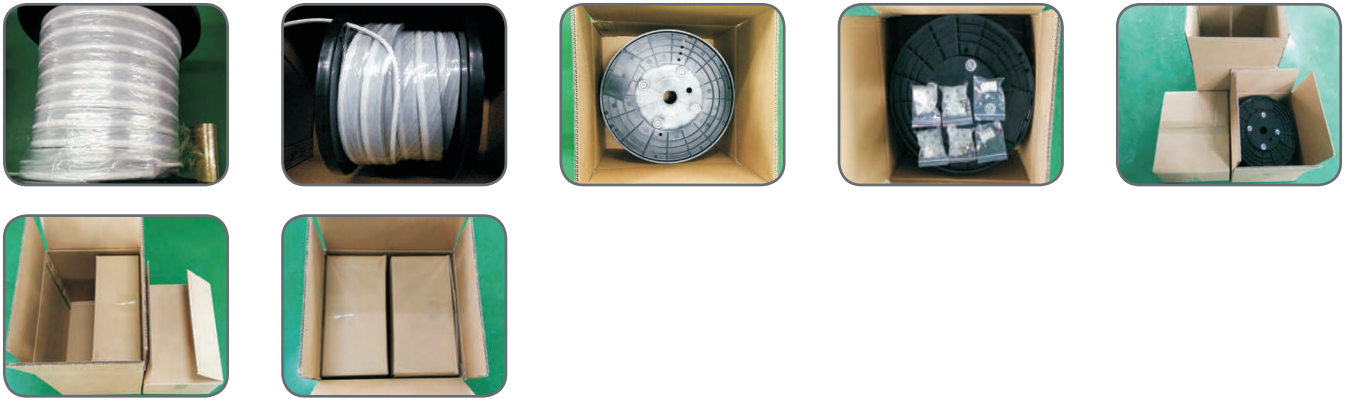
- Before installation, make sure:
 - The operator is a qualified electrician.
 - The light is disconnected from the power supply and the product remains disconnected from electrical power.
- Do not work live-line during installation.
- Do not use any organic chemical solvents.
- Do not disassemble or retrofit the light. Do not touch the surface of the light with a sharp object.
- Treat the ends and the circuit connection points with insulation, waterproof and anti-corrosion in the installation
 - to avoid air bubbles when applying glue;
- Make sure the input voltage meets the requirements and lines are connected correctly before turning the light on.
- Employ only a professional for installation and maintenance.





Packaging Information

Method 1



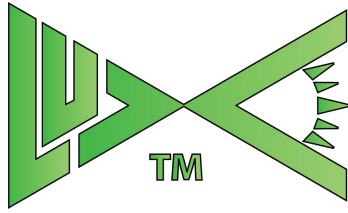
Model No.	Net Weight / CTN	Gross Weight/ CTN	Quantity / CTN	Shipping Dimension
N2-4 (15m)	8.5 (±10%) kgs	12.31(±10%) kgs	2 rolls	380*350*350mm

Method 2



Model No.	Net Weight / CTN	Gross Weight/ CTN	Quantity / CTN	Shipping Dimension
N2-4 (30m)	8.4 (±10%) kgs	12.31(±10%) kgs	1 roll	390*390*325mm





Packaging Information of Accessories (Optional)

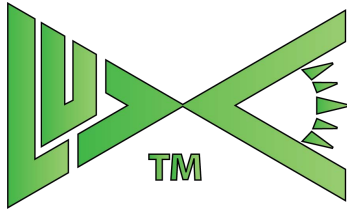
Simple Version

Picture	Model No.	Quantity / CTN	Carton Size(mm)	Net Weight(Kg)	Gross Weight(Kg)
	End exit	250	390*390*325	13.00(1±10%)	14.50(1±10%)
	Bottom exit	250	390*390*325	13.25(1±10%)	14.85(1±10%)
	Right side exit	250	390*390*325	13.25(1±10%)	14.85(1±10%)
	Left side exit	250	390*390*325	13.25(1±10%)	14.85(1±10%)
	End caps	1000	375*375*200	7.50(1±10%)	8.50(1±10%)
	1m Aluminum track of three grip plates and mounting screws	50	1100*185*185	12.50(1±10%)	13.80(1±10%)
	2m Aluminum track of nine grip plates and mounting screws	50	2100*185*185	25.30(1±10%)	27.30(1±10%)
	1m Aluminum track	50	1100*185*185	12.20(1±10%)	13.50(1±10%)
	2m Aluminum track	50	1100*185*185	24.40(1±10%)	26.40(1±10%)
	3.5cm Aluminum track with grip plate	1250	390*390*325	12.20(1±10%)	13.50(1±10%)
	3.5cm Aluminum track	1250	390*390*325	9.87(1±10%)	11.18(1±10%)
	Splice Connector	800	375*375*200	9.52(1±10%)	10.52(1±10%)
	L Connector	500	375*375*200	9.55(1±10%)	10.55(1±10%)
	Grip Plate	2000	375*375*200	3.40(1±10%)	4.40(1±10%)
	923L	150	375*375*200	6.75(1±10%)	7.80(1±10%)

Note:

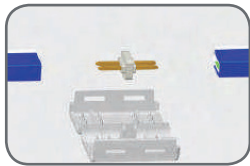
The difference of each product version is in the fittings
Recommended 2 sets mounting accessories per meter Aluminum track.



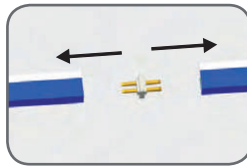


Appendix: Product Installation

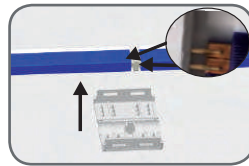
Splice connector



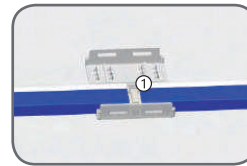
Exploded drawing



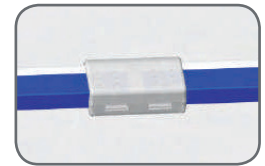
Insert the pin (NOTE: Pin should be on the back of PCB)



Apply glue on the joint of strip and the housing connector, and then put the strip into the housing

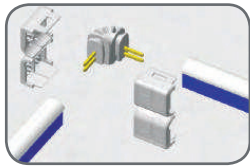


Close the housing after applying glue

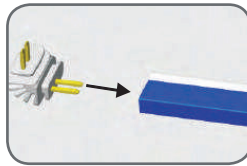


Final picture

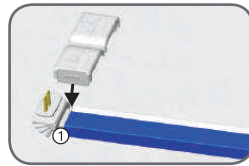
L connector



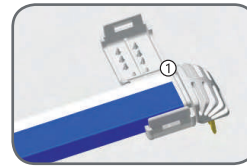
Exploded drawing



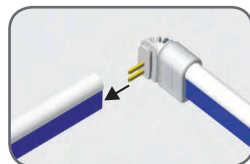
Insert the pin (NOTE: Pin should be on the back of PCB)



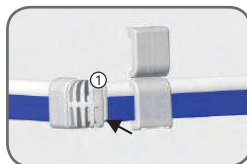
Apply glue on the joint of strip and the housing connector, and then put the strip into the housing. (Note: The arrow on the housing points to the power connector)



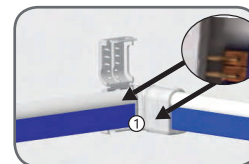
Close the housing after applying glue



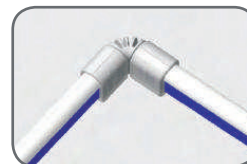
Insert the pin (NOTE: Pin should be on the back of PCB)



Apply glue on the joint of strip and the housing connector, and then put the strip into the housing. (Note: The arrow on the housing points to the power connector)



Close the housing after applying glue on the joint again.

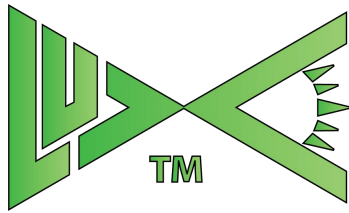


Final picture

Note:

- Treat for waterproofing and insulation at every connection with 10g silicone glue.
- Make sure the pin has a good contact with the copper foil
- "Pin the side" means the PCB is on this side, and the pin should contact well with the PCB

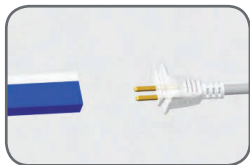




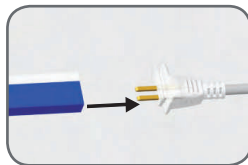
Appendix: Product Installation

Simple Version

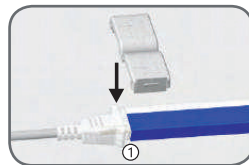
Power Connector (End Exit)



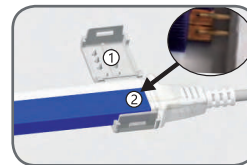
Exploded drawing



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



Apply glue on the joint of strip and the housing connector, and then put the strip into the housing

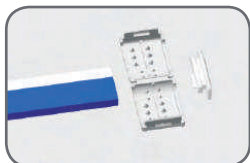


Close the housing after applying glue

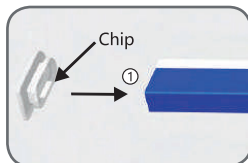


Final picture

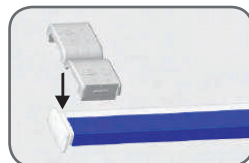
End cap



Exploded drawing



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



Put glue at the joint of strip and the housing



Close the housing after putting the glue on the end.



Final Picture

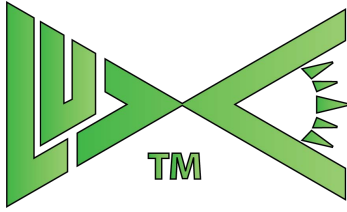
Note:

- Silicone glue must be applied at every re-connection for waterproofing and insulation.
- Check for good connection when chips and board are attached.

Warning:

- To achieve the best waterproofing result, FILL IN THE HOUSING WITH ENOUGH GLUE.

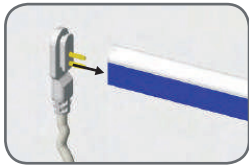




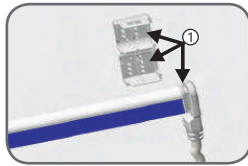
Appendix: Product Installation Steps

Simple Version

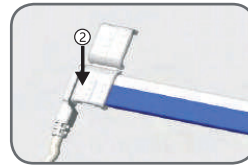
Power Connector (Bottom Exit)



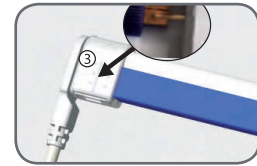
Put the Bottom cable into the Neon Flex.



Put the BV-923 glue into the housing and the connection point.

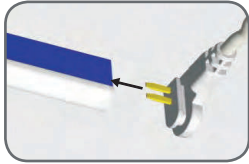


Put the glue filled housing under the connection point and close the housing tidely.

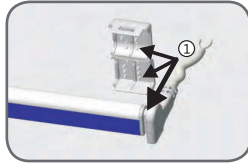


Final picture

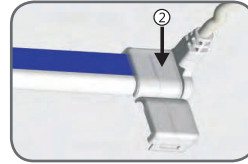
Power Connector (Right Side Exit)



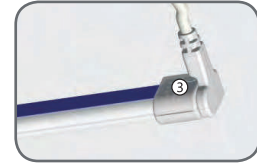
Put the right cable into the Neon Flex.



Put the BV-923 glue into the housing and the connection point.



Put the glue filled housing under the connection point and close the housing tidely.



Final picture

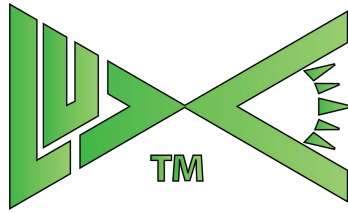
Note:

- Silicone glue must be applied at every re-connection for waterproofing and insulation.
- Check for good connection when chips and board are attached.

Warning:

To achieve the best waterproofing result, FILL IN THE HOUSING WITH ENOUGH GLUE.

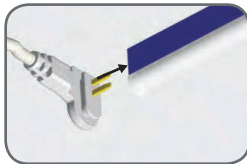




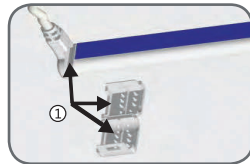
Appendix: Product Installation Steps

Simple Version

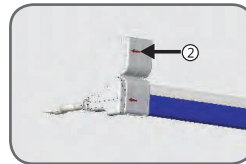
Power Connector (Left Side Exit)



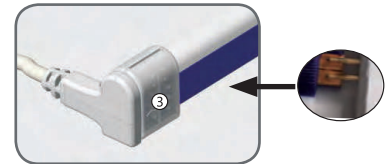
Put the Bottom cable into the Neon Flex.



Put the BV-923 glue into the housing and the connection point.



Put the glue filled housing under the connection point and close the housing tidely.



Final picture

Note:

- Silicone glue must be applied at every re-connection for waterproofing and insulation.
- Check for good connection when chips and board are attached.

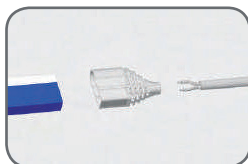
Warning:

To achieve the best waterproofing result, FILL IN THE HOUSING WITH ENOUGH GLUE.

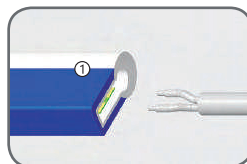
Appendix: Product Installation Steps

Silicone End Version

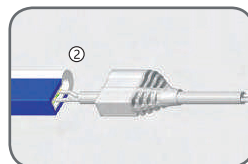
Power Connector



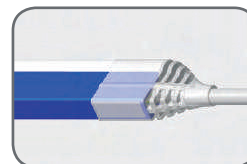
Power connector structure



Solder the power lead on the back of the PCB



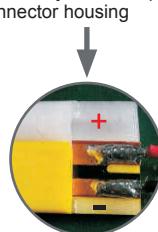
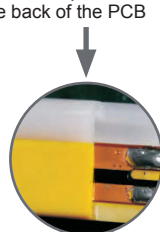
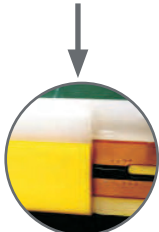
Glue the joint of strip and connector housing

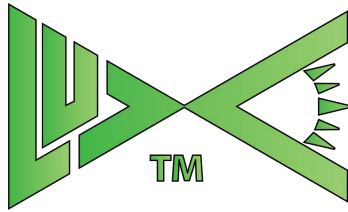


Final Picture

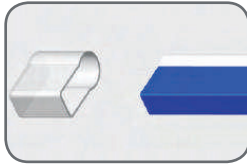


Positive and Negative Instruction

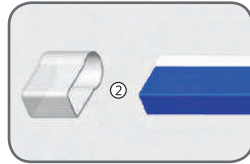




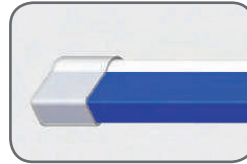
End Cap



End Cap Structure



Glue at the end of strip, put the end cap



Final picture

Note:

- Shows position of the board. When putting the chips, please attach securely.
- Check for silicone glue at every re-connection for waterproofing and insulation.

Warning:

- To achieve the best waterproofing result, FILL IN THE HOUSING WITH ENOUGH GLUE.

Example: Power connector installation

Simple Version



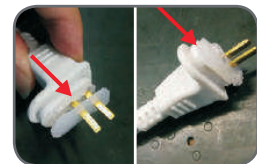
Cutting from the cutting mark



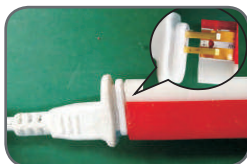
Insert O-ring



Insert gasket



Apply glue on the joint



Keep the connector tightly against the strip. As the above picture showed there is bare copper foil on the back of the PCB



Apply glue and make sure no air bubbles.



Put on the snap cover, press it tightly after the glue is solidified, and then close the snap cover.

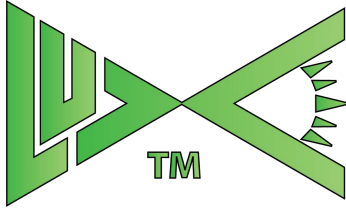


Power the light to ensure that it is working properly after the glue is completely solidified.

During the operation, please note:

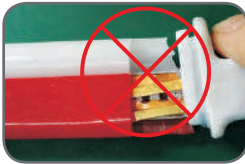
It is possible that the cutting mark on the rubber does not match with the cutting line on PCB. Find the cutting mark, cut along it slightly on top. Follow the line on top, cut open about 4mm depth opposite the cutting mark. Gently open the cut and observe where the inside cutting mark (black line) is. Cut along the black line.





Example: Power connector installation

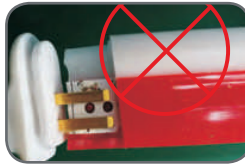
Incorrect Operation



Wrong cutting position may cause short circuit



Pin shift may cause short circuit



The pin is contacted with LED which may cause a short circuit or light failure.

