

Neon SERIES | Flexible Angled Neon Strip

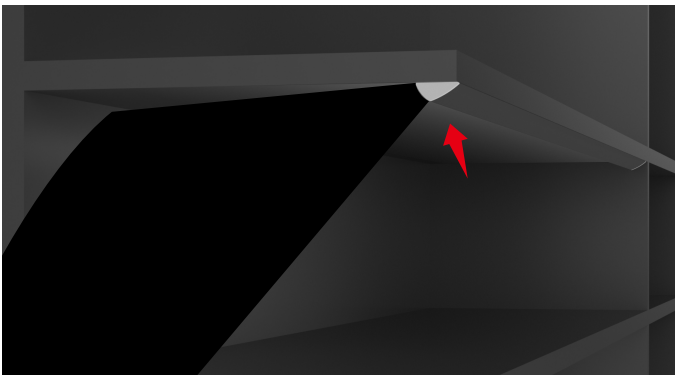
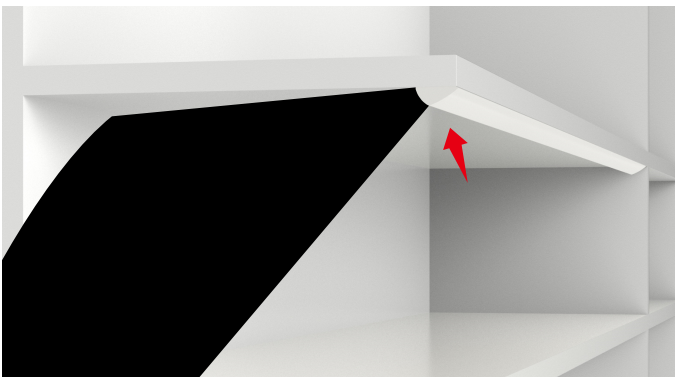
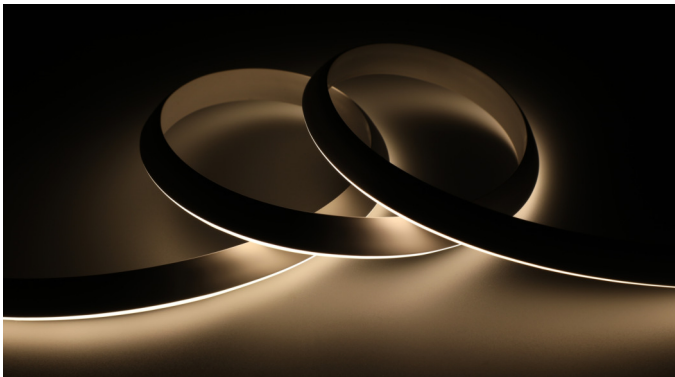
FNS-ASYM

Our Flexible Angled Neon Series boasts 3.66 watts per foot with uniform, dot free illumination, and is IP54 rated for indoor or outdoor locations.

The FNS-ASYM is Top Bend with options for white or black silicone jacket with high grade appearance, soft bend flexibility, strong impact resistance, high tear resistance and high weather resistance.

Easily customizable with options to precut in the factory or free-cut in field, the FNS-ASYM can be used in many different applications and can be fabricated to the specifications of your project.

5-year warranty.



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General Parameters

Product No.	Style	Dimension	Max. Run Length	Increment	LED Type	LED QTY	IP&IK Rating	Operating Ambient	Lifespan	Warranty
FNS-ASYMxxK-CU-24	Top-Bend (White) White Jacket	W14.4*H6mm [W0.57*H0.24in.]	5M [16.4ft.]	Free-cutting to be any length	SMD 2216	300LED/M [91LED/ft.]	IP54 [Wet] & IK04	Ta: -20~45°C [-4~113°F]	50,000h (L70@ Tc≤65°C[149°F], Tc is the temp. of LED pin.)	5 years
	Top-Bend (White) Black Jacket									

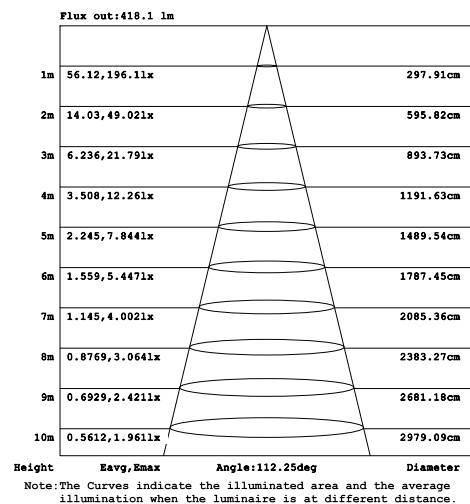
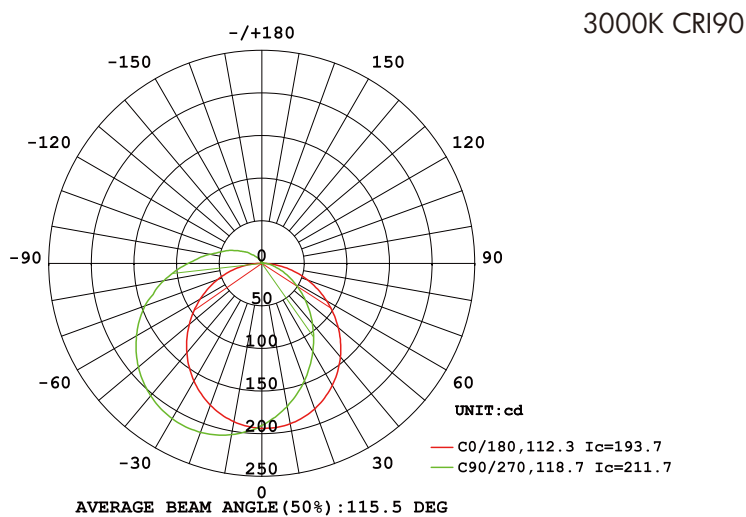
Photoelectric Parameters

Product No.	Style	Power (Max.)	Operating Voltage	Finished Product CCT/ Wavelength	CRI80 4000K		CRI90 4000K		Beam Angle
					Luminous Flux±10%	Luminous Flux±10%	Luminous Flux±10%	Luminous Flux±10%	
FNS-ASYMxxK-CU-24	Top-Bend (White) White Jacket	12W/M [3.66W/ft.]	DC24V	2700K±120K 3000K±150K 3500K±300K 4000K±300K 5000K±400K 6000K±500K (LED is 3-step SCDM in one bin)	W	W	810lm/M [247lm/ft.]	68lm/W	120° (asymmetric 30°)
	Top-Bend (White) Black Jacket				W	W	760lm/M [232lm/ft.]	63lm/W	

Note:

- (1) Luminous flux for CCT 2700K is 10% lower, for CCT 3000K / 3500K is 5% lower, for CCT 5000K / 6000K is the same, compared with 4000K.
- (2) The Max. Length (La) is defined as power fed on one side.
- (3) The power of the strip need to be reduced to 8W/M [2.44W/ft.] @ White & CCT for operating ambient temperature in -20~55°C [-4~131°F].
- (4) The standard packing length is fixed by default per reel without installation accessories; customized packing length is required to be evaluated.
- (5) Installation accessories pack should be ordered separately according to specific case.

Light Distribution Diagram



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Ordering

Example: FNS-ASYM-35K-CU-WH

Part No.	Style	Color Temp		Length		Jacket Color	
FNS	ASYM	27	2700k	16	16.4ft	WH	White
		30	3000k	49	49.2ft*	BK	Black
		40	3500k				
		50	4000k				
		60	5000k	CU	Custom		
		TW	Tunable white		Length see		
		RGB	RGB		pg.2 for cutting		
		RGBW	RGBW		lengths		

Accessories

- FNS-ASYM-W-WLEF** End Power Feed, White Finish
- FNS-ASYM-B-WLEF** End Power Feed, Black Finish
- FNS-ASYM-W-WLBF** Bottom Power Feed, White Finish
- FNS-ASYM-B-WLBF** Bottom Power Feed, Black Finish
- FNS-ASYM-ADH-TAPE** Adhesive Tape, 30M/Roll

Recommended Power Supplies

Dimmable with 0-10v, ELV, MLV, TRIAC



Item Number	Description	Max/Min Load	Input Voltage	Output Voltage	Dimmable	Dimensions
PS-TSLC-UNV-24V-30WDHV2	30w	30W / 3w	100-277VAC	24V DC	Yes*	6.49"L x 3.6"W x 1.02"H
PS-TSLC-UNV-24V-60WDHV2	60w	60W / 6w	100-277VAC	24V DC	Yes*	7.4"L x 3.6"W x 1.02"H
PS-TSLC-UNV-24V-96WDHV2	96w	96W / 9.6w	100-277VAC	24V DC	Yes*	8.66"L x 3.6"W x 1.61"H
PS-TSLC-UNV-24V-288WDHV2	288w (3 x 96w)	288W / 28.8w	100-277VAC	24V DC	Yes*	11.85"L x 4.25"W x 1.8"H
PS-TSLC-UNV-24V-300WDHV2	300w	300W / 30w	100-277VAC	24V DC	Yes*	10.94"L x 4.33"W x 1.77"H

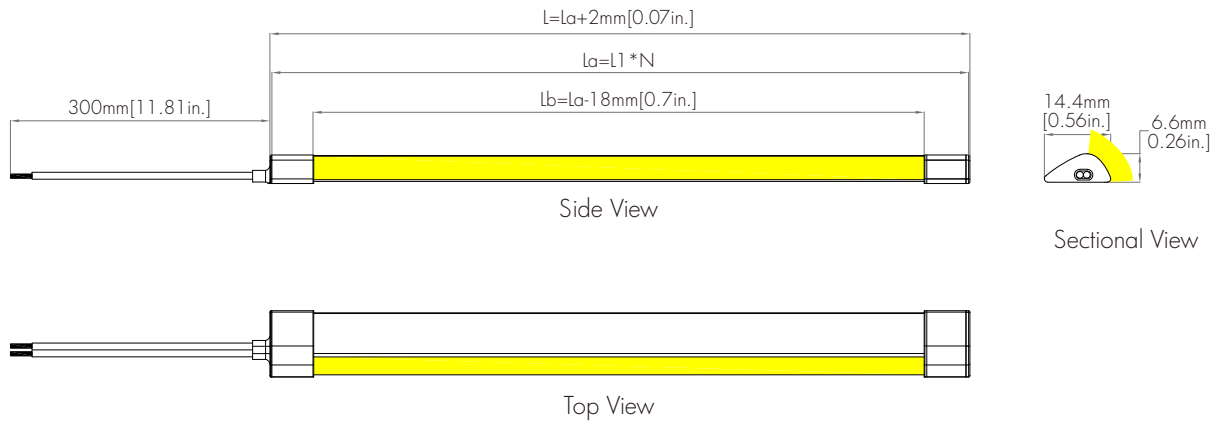
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Diagram

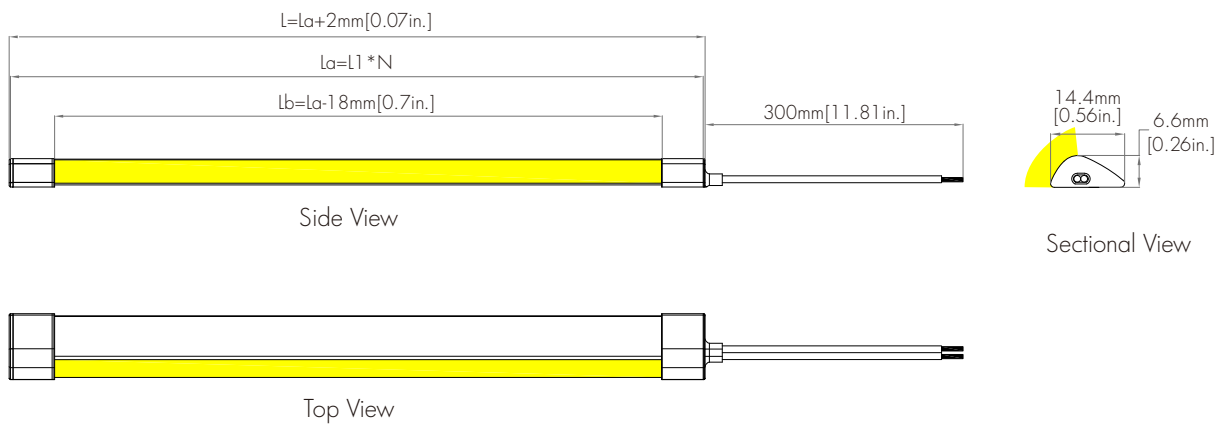
Endcap sealed by gluing process

L: Total length
Lb: Illumination surface length
N: Number like 1, 2, 3''
a: Length of LED strip light
L1: cement

Power in rear feed on left side



Power in rear feed on right side



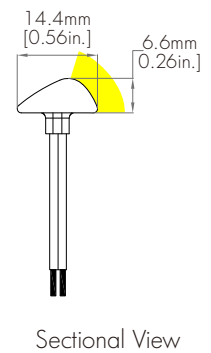
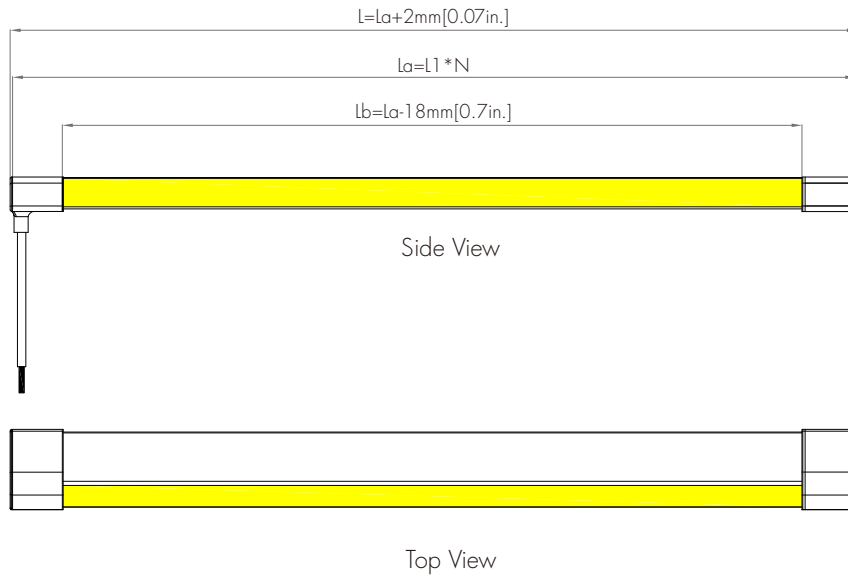
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Diagram

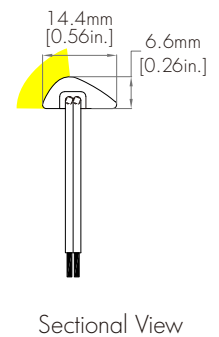
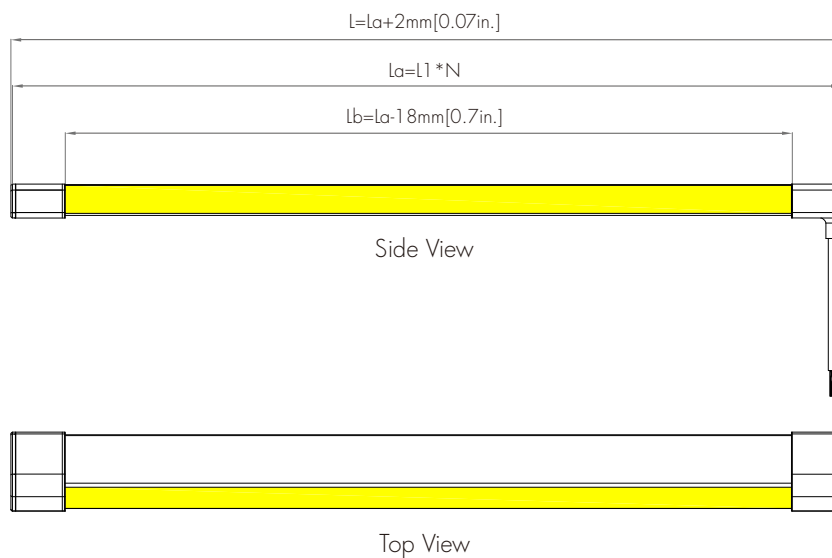
Endcap sealed by gluing process

L: Total length
Lb: Illumination surface length
N: Number like 1, 2, 3...
a: Length of LED strip light
L1: crement

Power in bottom feed on left side



Power in bottom feed on right side



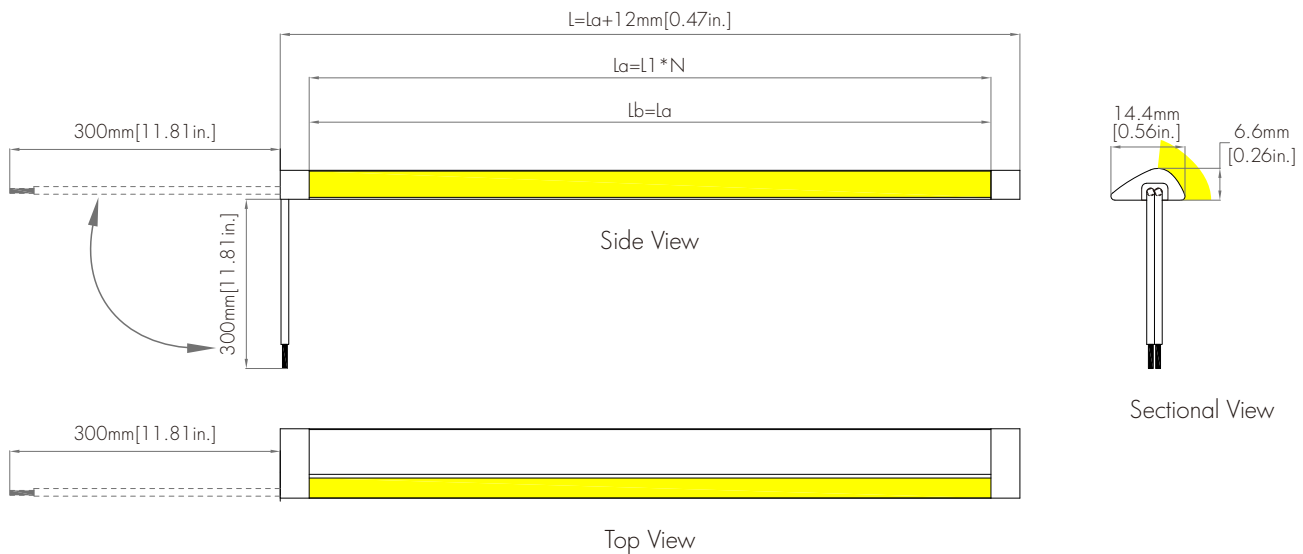
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Diagram

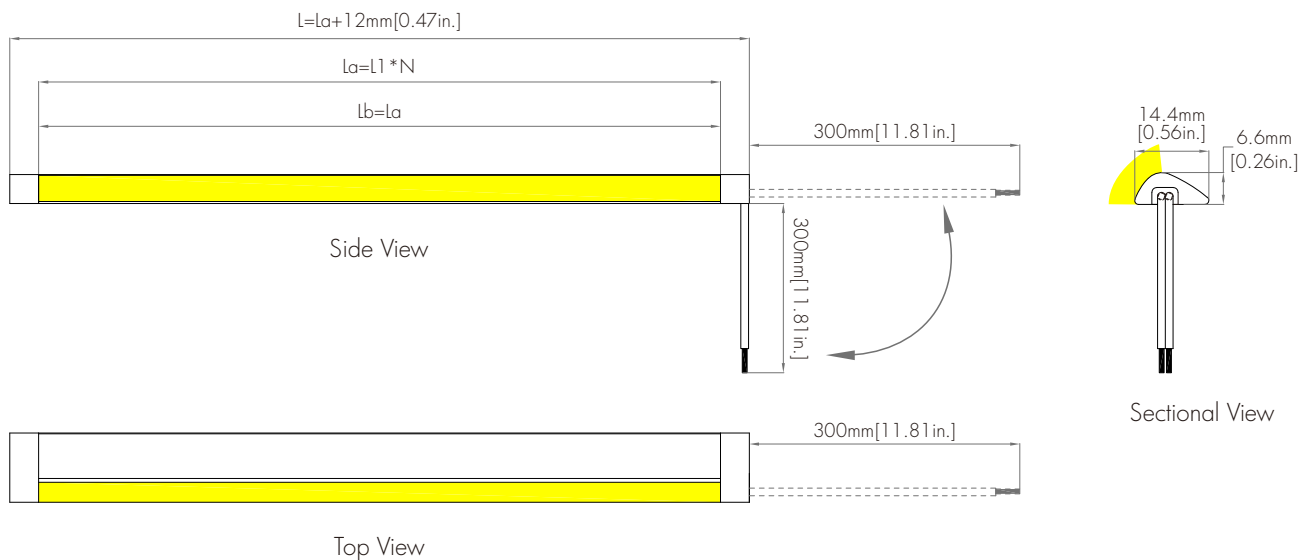
Endcap sealed by die-casting process

L: Total length
Lb: Illumination surface length
N: Number like 1, 2, 3'''
a: Length of LED strip light
L1: crement

Power in rear/bottom feed on left side

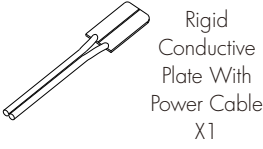
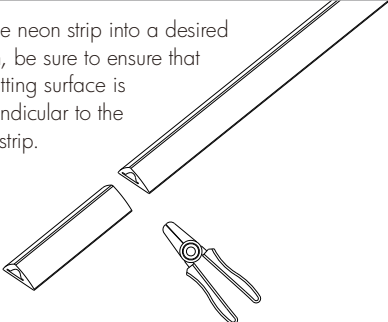
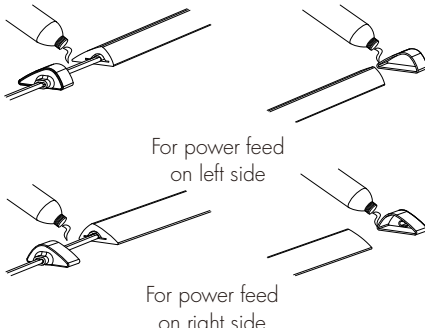
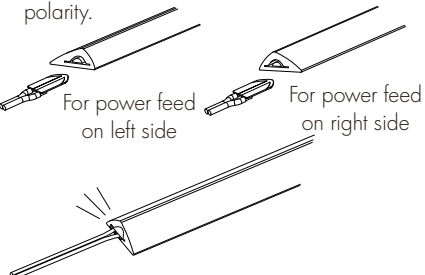
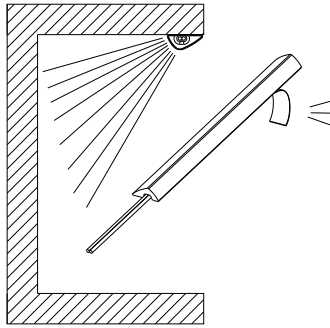
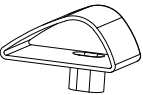
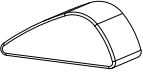
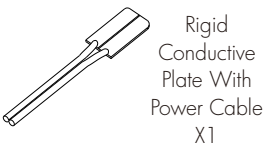
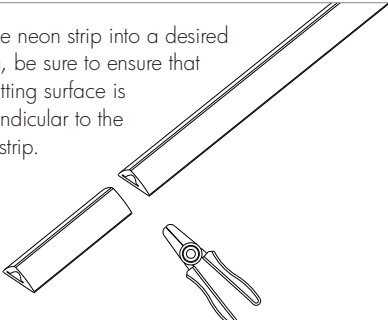
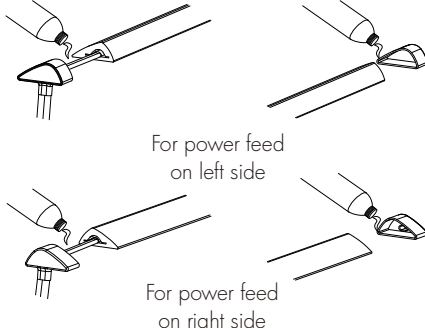
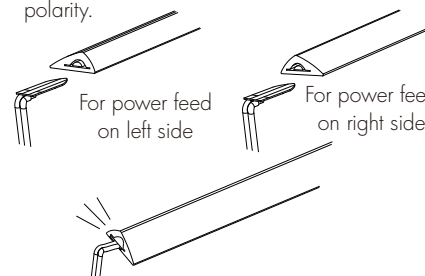
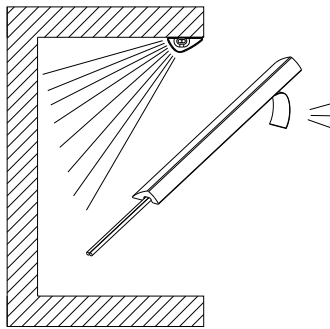


Power in rear/bottom feed on right side



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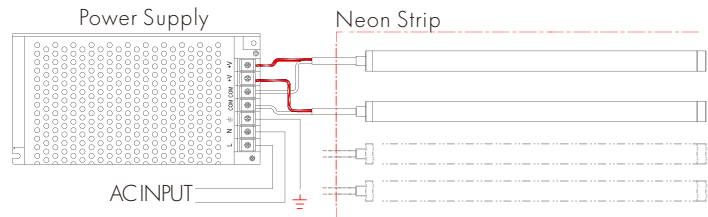
Assembly & Installation

Power in rear feed  Front end cap on left side X1  Front end cap on right side X1  Tail end cap on left side X1  Tail end cap on right side X1  Rigid Conductive Plate With Power Cable X1  Glue X1	1. Cut the neon strip into a desired length, be sure to ensure that the cutting surface is perpendicular to the neon strip.  3. Fill the front end cap and tail end cap with glue, and then put them on the neon strip. Leave it for a while, and wait for the glue to dry before usage.  For power feed on left side For power feed on right side	2. Insert the rigid conductive plate into the gap between the PCBA and jacket with correct polarity.  For power feed on left side For power feed on right side 4. Peel off the release paper from back adhesive tape of neon strip, and then attach it to the shelf board with its luminescent surface facing to the cabinet. 
Power in bottom feed  Front end cap on left side X1  Front end cap on right side X1  Tail end cap on left side X1  Tail end cap on right side X1  Rigid Conductive Plate With Power Cable X1  Glue X1	1. Cut the neon strip into a desired length, be sure to ensure that the cutting surface is perpendicular to the neon strip.  3. Fill the front end cap and tail end cap with glue, and then put them on the neon strip. Leave it for a while, and wait for the glue to dry before usage.  For power feed on left side For power feed on right side	2. Insert the rigid conductive plate into the gap between the PCBA and jacket with correct polarity.  For power feed on left side For power feed on right side 4. Peel off the release paper from back adhesive tape of neon strip, and then attach it to the shelf board with its luminescent surface facing to the cabinet. 

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Connection

Non-Dimming Status for White Color



Dimming Status for White Color

