

FEATURES

Angled Series

Asymmetric Surface Mounting Top-Bend SD300

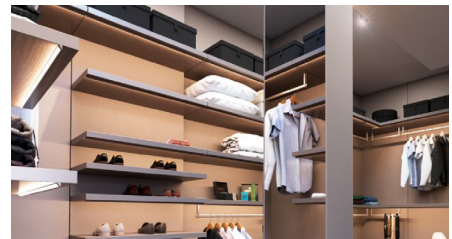
- Asymmetric light distribution with a triangle and flat structure design.
- Colour in white or black is optional based on the installation demand.
- Field processable to be any length with the free-cutting feature.
- Uniform, dot-free and smooth lighting performance up to 5m [16.4ft].
- Dimmable available with PWM signal.
- Environmentally friendly, high grade appearance, soft bend flexibility, strong impact resistance and high weather resistance using silicone material.
- IP55 for indoor usage.
- 50,000h LED lifespan, 5 year warranty, CE & UL approval.

APPLICATION

LED Neon Strip

Ideal for furniture, cabinet, and display lighting.

SD300	—	24	—	14.4	—	CCT	—	55	—	90	—	LENGTH	—	WL12IN
Model		Voltage		Width		CCT		IP		CRI		Length		12IN Lead Wire
		24V		14.4mm		27: 2700K 30: 3000K 40: 4000K		IP55		90+		5m (SD) Customized		WL12IN

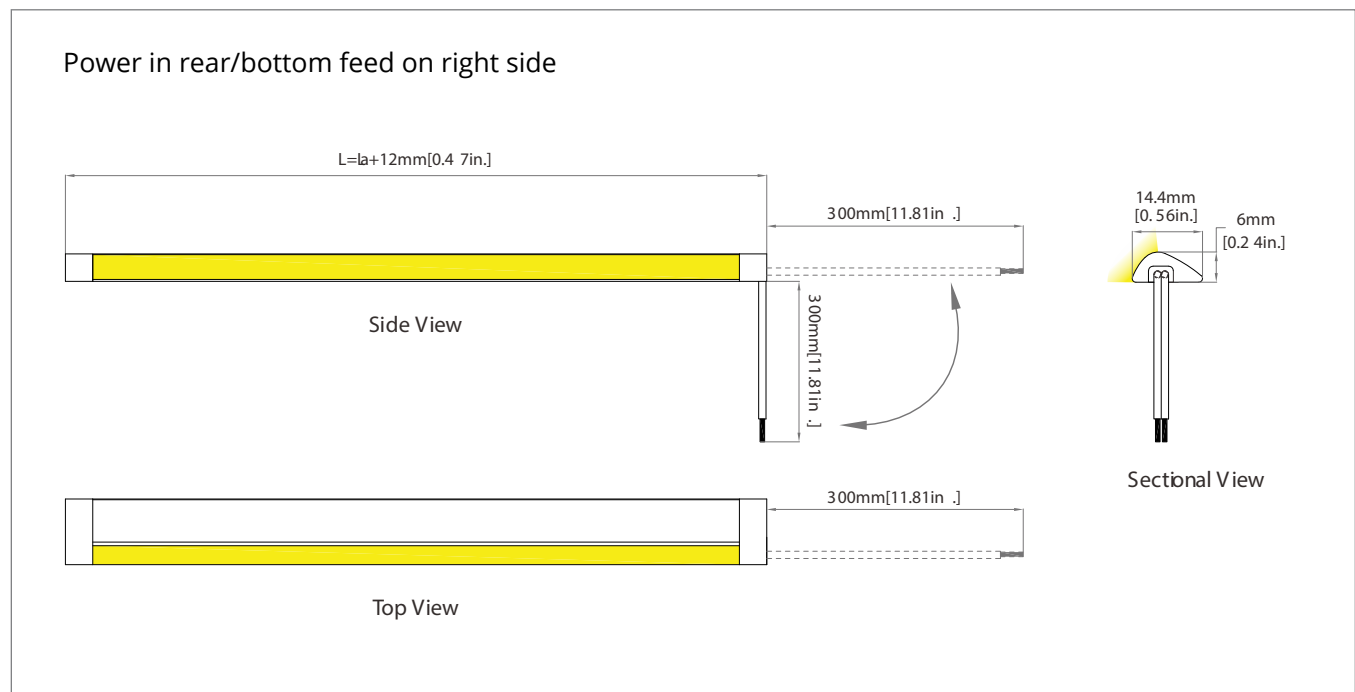


DIAGRAMS

Endcap sealed by die-casting process

L: Total Length

La: Length of LED strip



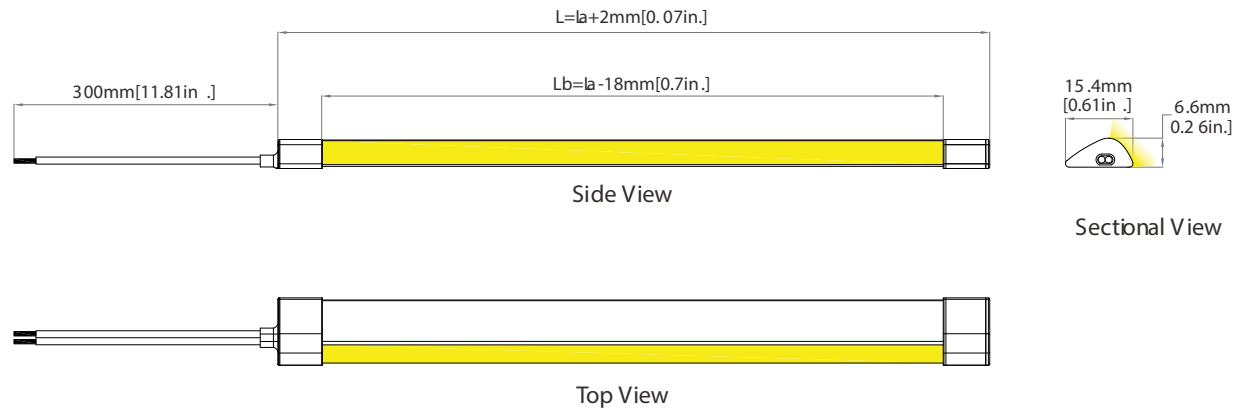
DIAGRAMS

Endcap sealed by gluing process

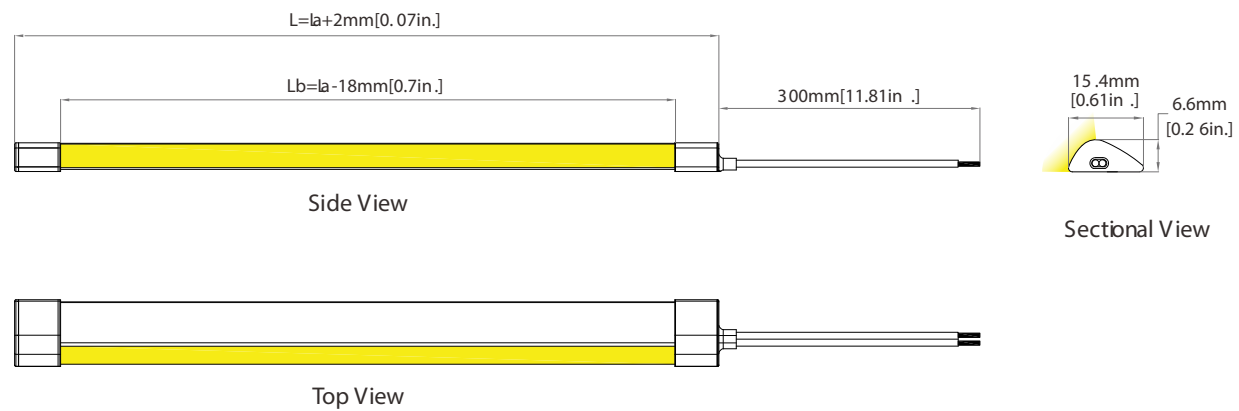
L: Total Length

La: Length of LED strip

Power in rear feed on left side



Power in rear feed on right side



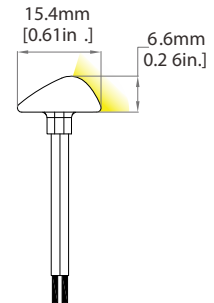
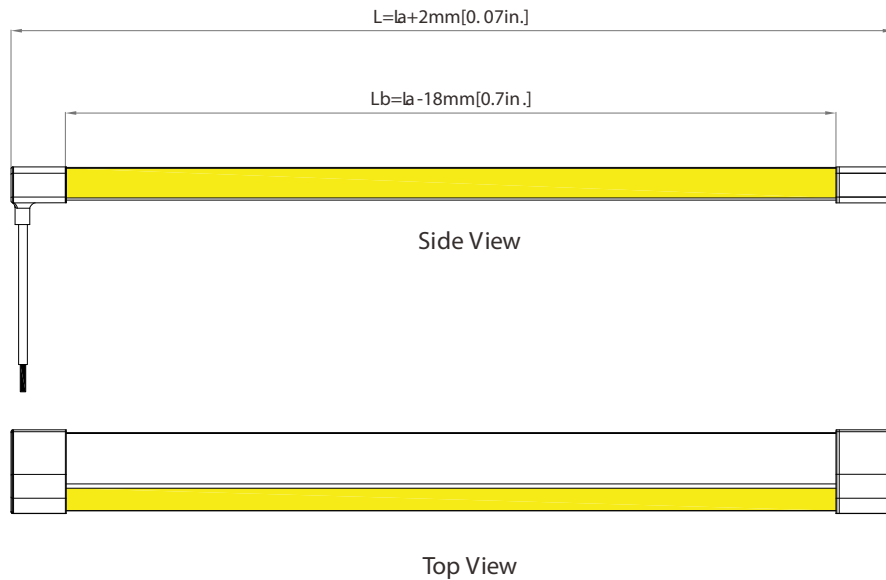
DIAGRAMS

Endcap sealed by gluing process

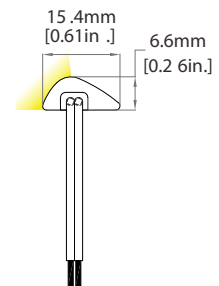
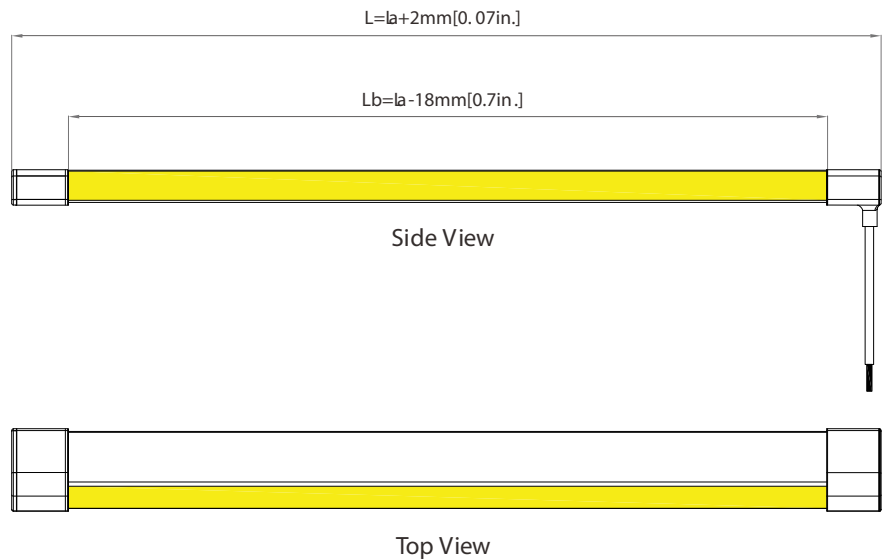
L: Total Length

La: Length of LED strip

Power in rear feed on left side



Power in rear feed on right side



GENERAL PARAMETERS

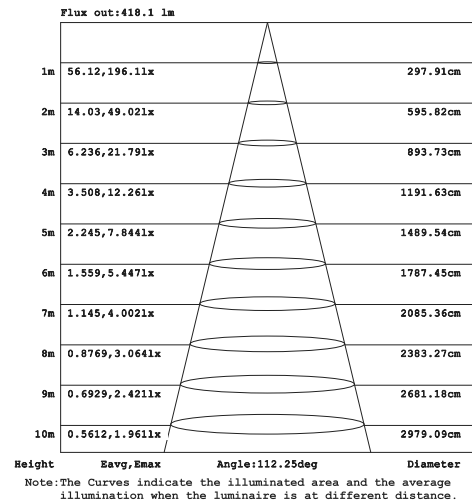
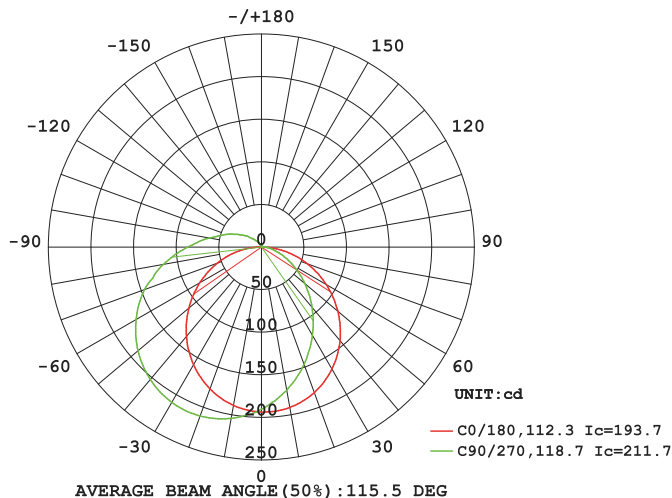
Item Code	Style	Dimension	Max. Run Length & Max. Shipping Length	Increment	LED Type	LED QTY	IP&IK Rating	Operating Ambient	Lifespan	Warranty
SD300	Top-Bend White Jacket	W14.4 * H6mm [W0.57 * H0.24in.]	5m [16.4ft.] & 50m [164ft.]	Free-cutting to be any length	SMD2216	300LED/m [91LED/ft.]	IP55 [Wet] & 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 Black Jacket									

Item Code	Style	Power (Max.)	Operating Voltage	Finished Product CCT / Wavelength	Luminous Flux±10% White Jacket	Luminous Flux±10% Black Jacket	Beam Angle
SD300	Top-Bend White Jacket	12W/m [3.66W/ft.]	DC24V	2700±120K	729 lm/m [222 lm/ft]	684 lm/m [209 lm/ft]	120° (Asymmetric 30°)
				3000±150K	745 lm/m [227 lm/ft]	699 lm/m [213 lm/ft]	
				3500±300K	786 lm/m [240 lm/ft]	737 lm/m [225 lm/ft]	
	4000±300K			810 lm/m [247 lm/ft]	760 lm/m [232 lm/ft]		
	5000±400K			794 lm/m [242 lm/ft]	745 lm/m [227 lm/ft]		
	6000±500K			794 lm/m [242 lm/ft]	745 lm/m [227 lm/ft]		
	Top-Bend Black Jacket						

Note:

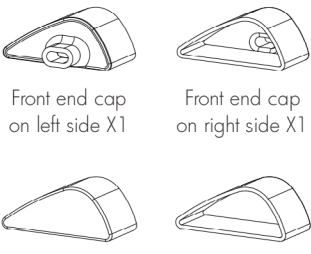
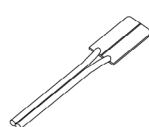
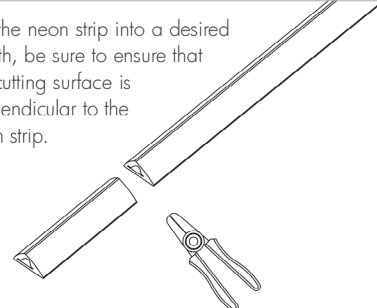
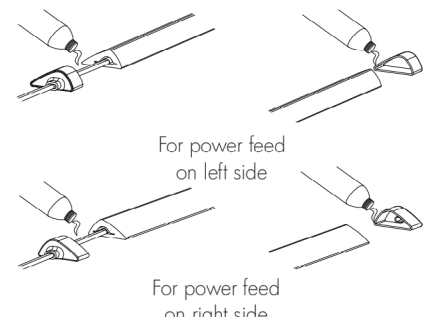
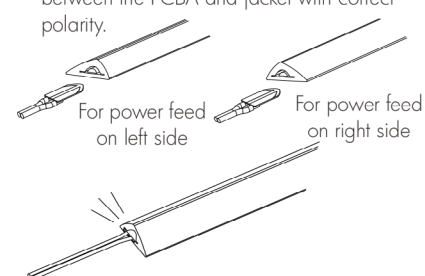
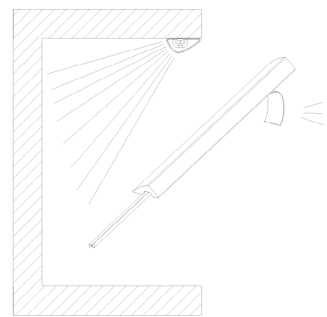
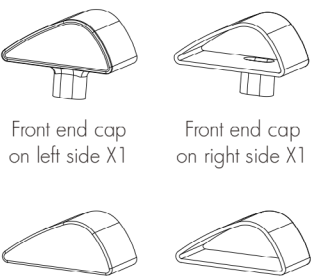
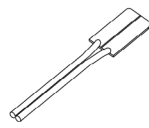
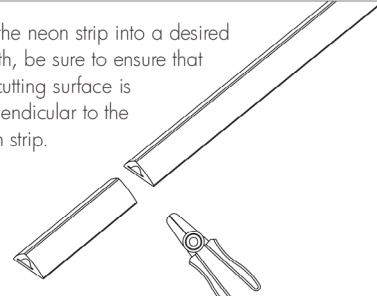
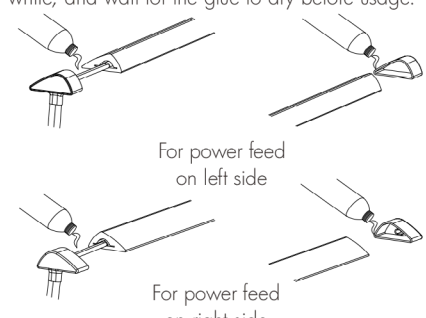
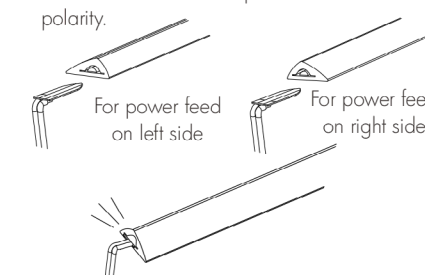
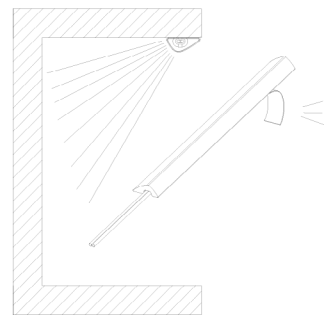
- (1) The Max. Length (La) is defined as power fed on one side.
- (2) The power of the strip need to be reduced to 8W/m [2.44W/ft.]@White&CCT for operating ambient temperature in -20~55°C [-4~131°F]

LIGHT DISTRIBUTION DIAGRAM



3000K CRI90

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. 

Notice

1. Adopt suitable power supply with power 20% higher than max. power of luminary to ensure long time performance of power supply.
2. Do not install it when power is on. Before powering on, make sure the wiring is correct.
3. Avoid privately changing or damaging the circuit or other component on the luminary.
4. Avoid scrape, twist, and irregular bend during installation, which might cause non-repairable status for the luminary.
5. Minimum twist degree is 360° per 1000mm [39.4in].
7. Luminary linked in over long length will lead to problem of overload or uneven brightness.
8. To protect your eyes, do not stare at the luminary for a long time while it's illuminated.
9. Only professional personnel can install, dismantle, and repair.
10. Bend and twist diagram is shown as below.

