



RFV01

- Texture appearance, flexible bend, smooth and dot-free linear lighting performance.
- High waterproof rating in IP67 using silicone extrusion process, ensures the stability and effectiveness of waterproofing, even under extreme hot and cold of working environment.
- Ultra low working temperature rise for all electrical component with excellent cooling design, guarantees the long lifespan for all components and materials
- Prevent the touch feeling of extreme hot and cold, by using nonmetallic material with slow heat conduction for exterior contact parts.
- Dimmable available with PWM signal. It can adjust the brightness according to the needs of the environment, and also save the energy.
- Compared with traditional fragile glass and harden / yellowing easily PVC sheathing material, silicon is more environmentally friendly, also with high grade appearance, soft bend flexibility, strong impact resistant and high weather resistance.
- 50,000h long lifespan, 5 years warranty.

Indirect lighting solution ideal for high-temperature sauna/steam room and low-temperature snow/ice room of SPA and wellness.



Specification

Dimension / Diagram

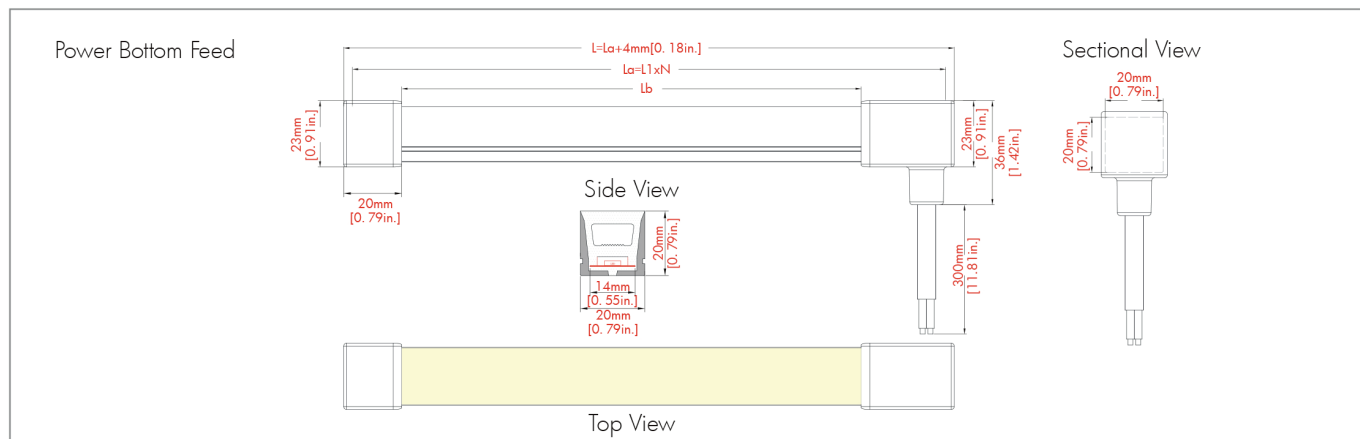
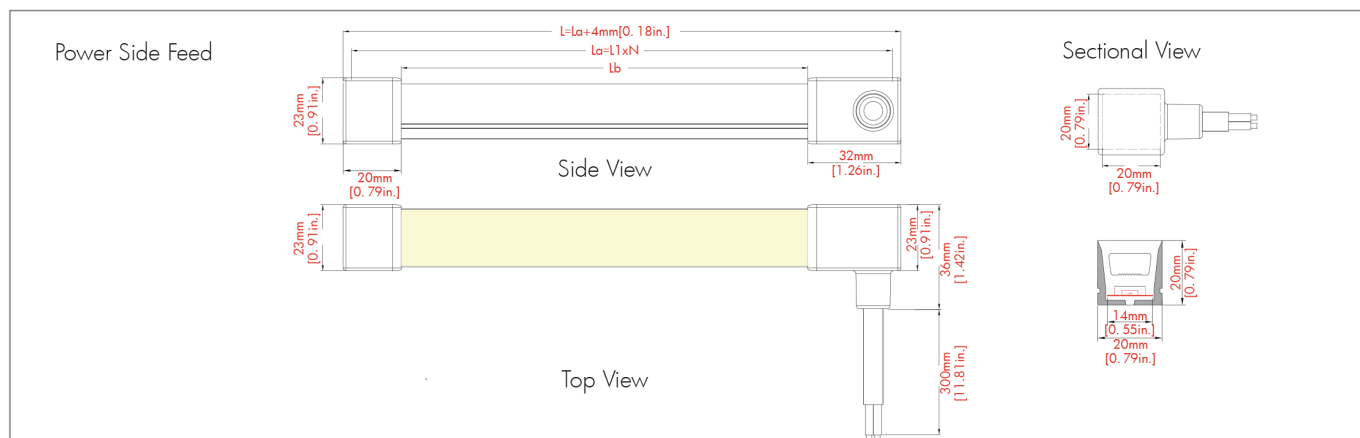
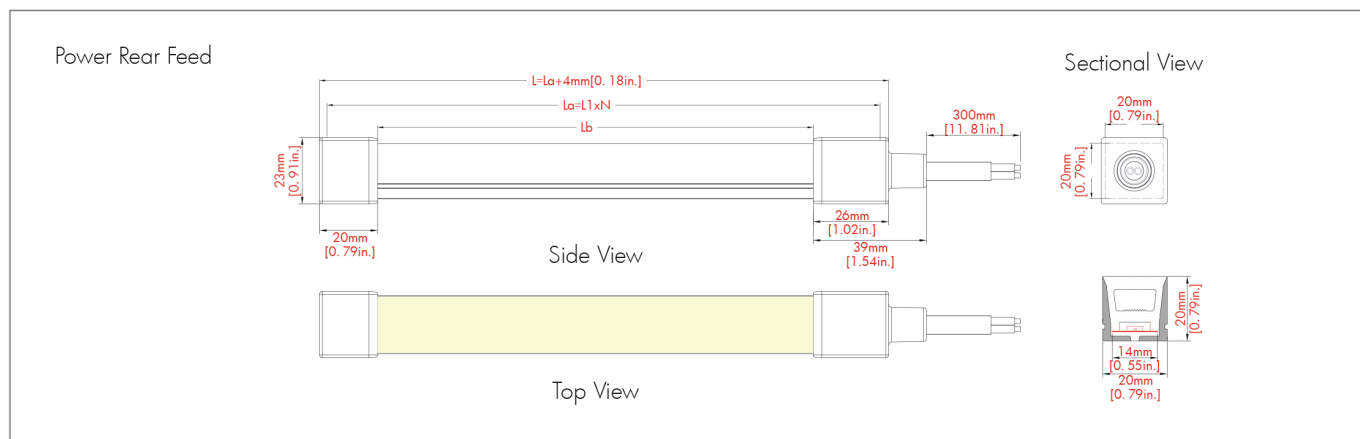
L: Total length

Lb: Illumination surface length

N: Number

La: Length of LED strip light

L1: Minimum cutting unit



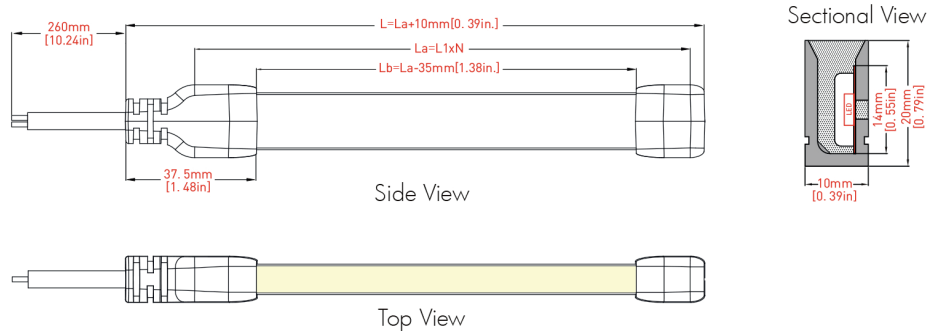
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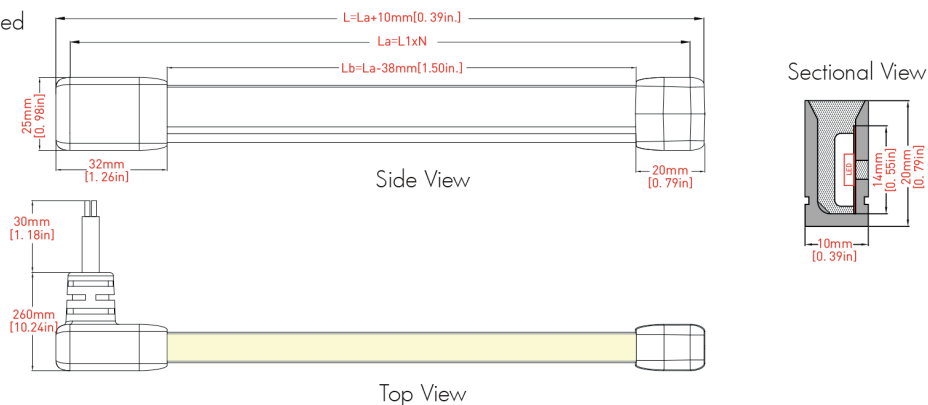
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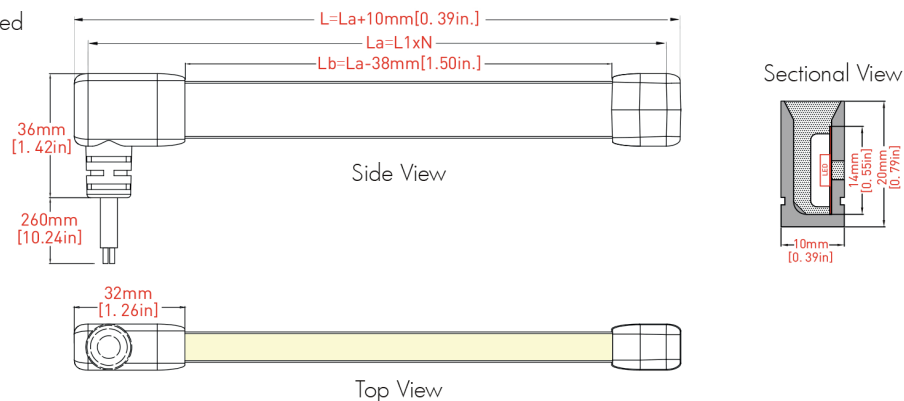
Power Rear Feed



Power Side Feed



Power Bottom Feed



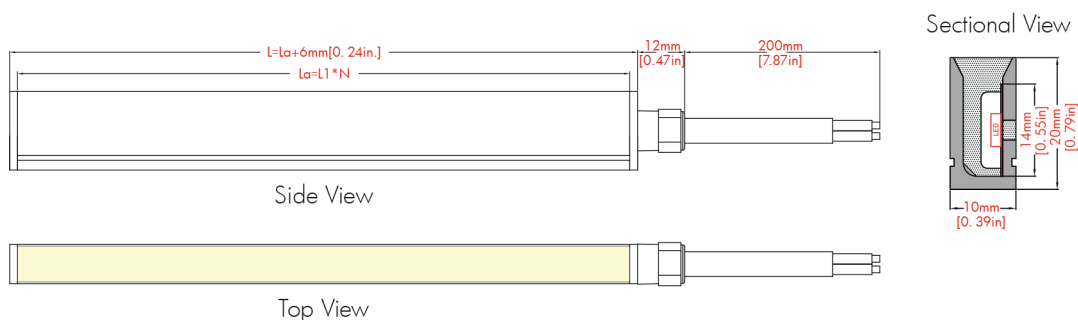
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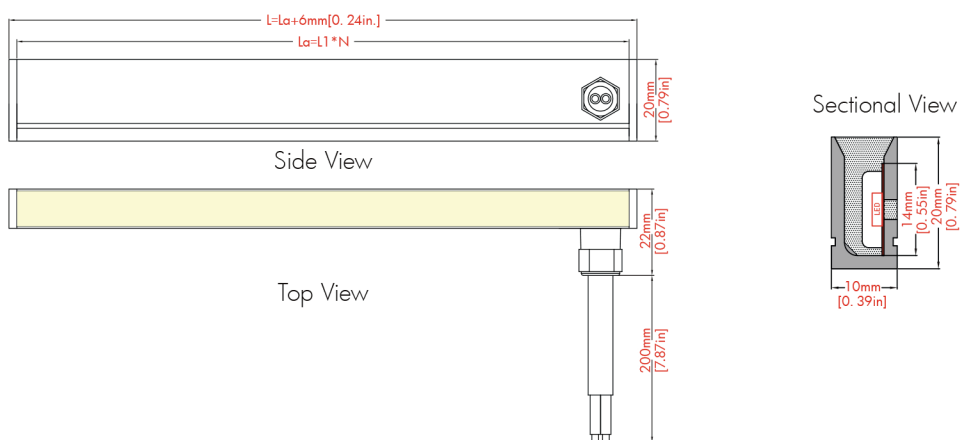
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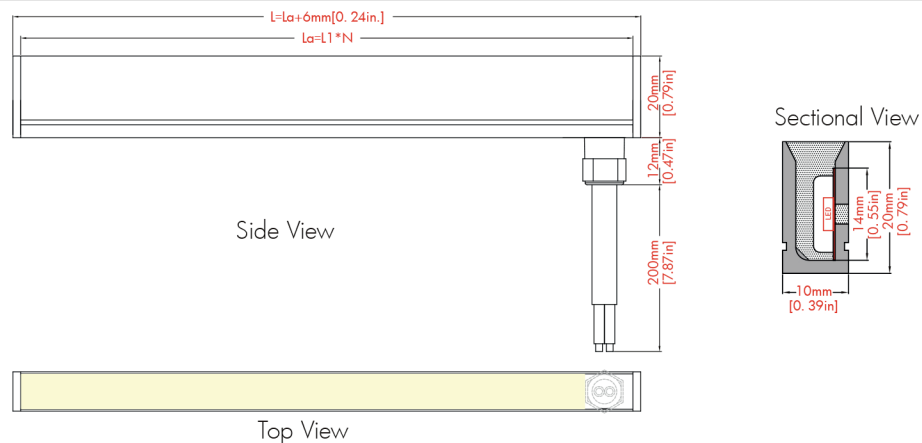
Power Rear Feed



Power Side Feed



Power Bottom Feed



General Parameters

Style	Dimension	Max. Length (La)	Min. Unit (L1)	LED Type	LED QTY	IP Rating	Operating Ambient	Lifespan	Warranty
Top-Bend (White)	W20xH20mm [W0.79xH0.79in]	5M [16.4ft]	50mm [1.97in]	SMD 2835	120LED/M [36LED/ft]	IP67 [Wet]	Ta (working)/stg (storage) : -25-100°C [-13-212°F] (Sauna room is usually ≤85°C [185°F] and is occasionally 85-100°C [185-212°F], Ice room is usually -10-0°C [-14-32°F]).	L80≥60kh@ Tc≤85°C [185°F], L80≥50kh@ Tc≤100°C [212°F], Tc is the temperature of LED pin)	5 years (for sauna room and snow room application)
Side-Bend (White)	W10xH20mm [W0.39xH0.79in]								

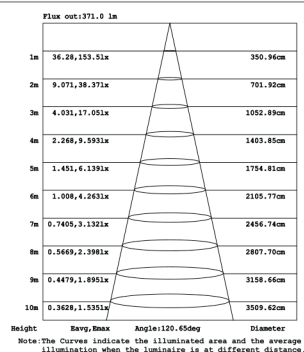
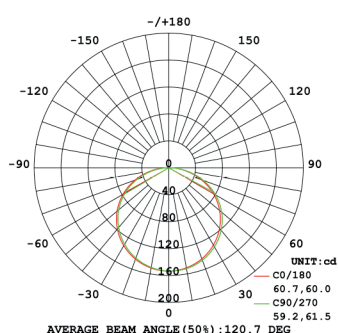
Photoelectric Parameters

Style	Power (Max.)	Operating Voltage	Finished Product CCT/ Wavelength	CRI80 4000K	CRI90 4000K	Beam Angle
				Luminous Flux±10%	Luminous Flux±10%	
Top-Bend (White)	9.6W/M [2.93W/ft.]	24VDC	2700K±120K 3000K±150K 4000K±300K 5000K±400K (3 steps SDCM 1 bin LED)	500lm/M [150lm/ft.]	420lm/M [130lm/ft.]	120°
Side-Bend (White)				340lm/M [100lm/ft.]	290lm/M [90lm/ft.]	

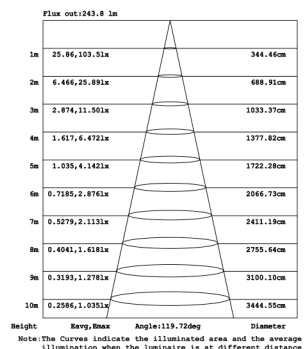
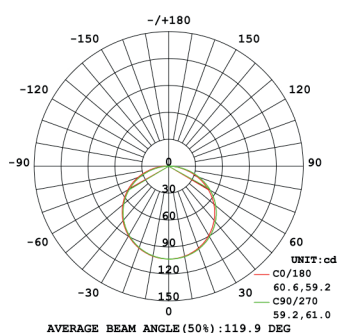
Note:

- (1) Luminous flux for CCT 2700K is 10% lower, for CCT 3000K/3500K is 5% lower, for CCT 5000K/6500K is the same, compared with 4000K.
- (2) The Max. Length (La) is defined as power fed on one side.
- (3) The standard packing length is fixed by default per reel without installation accessories; customized packing length is required to be evaluated.
- (4) Installation accessories pack should be ordered separately according to specific case.

Light Distribution Diagram



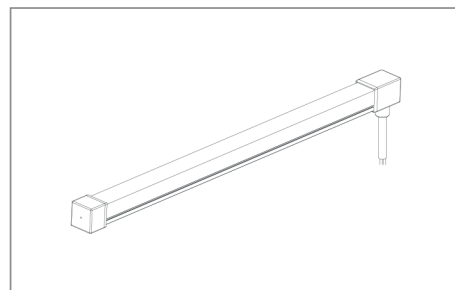
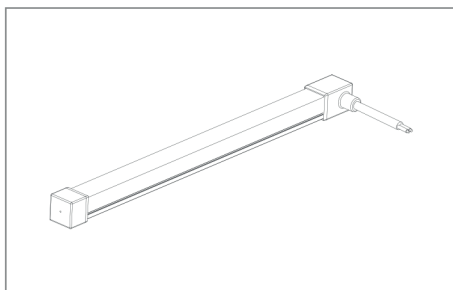
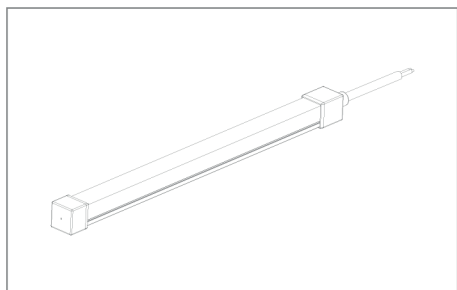
(9.6W, White, W=3000K, CRI80)



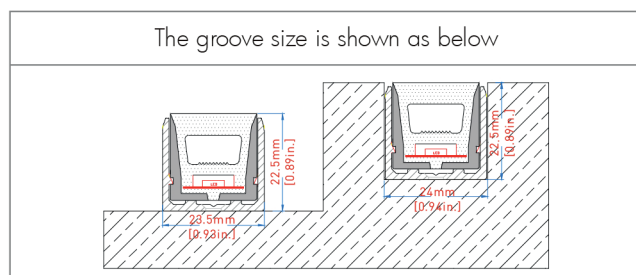
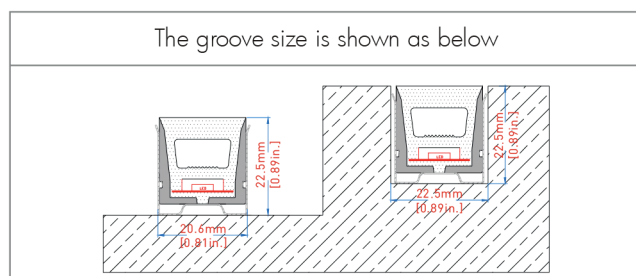
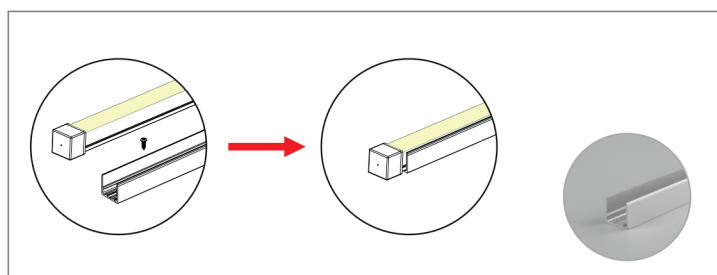
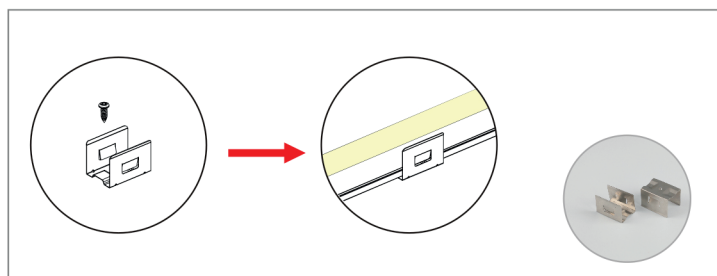
(9.6W, White, W=3000K, CRI80)

General Characteristics

(1) Power cable in rear feed, side feed and bottom feed.

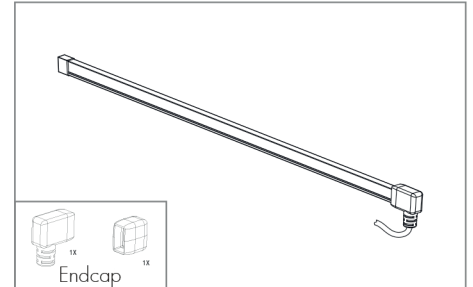
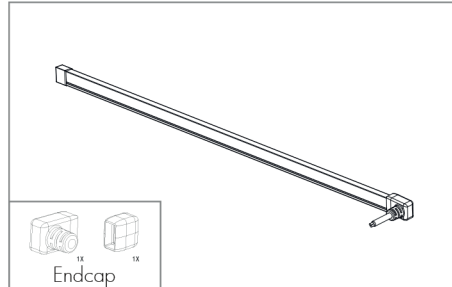
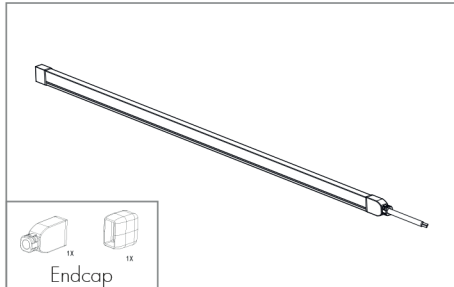


(2) Surface or flush mounting by bracket or aluminum channel.



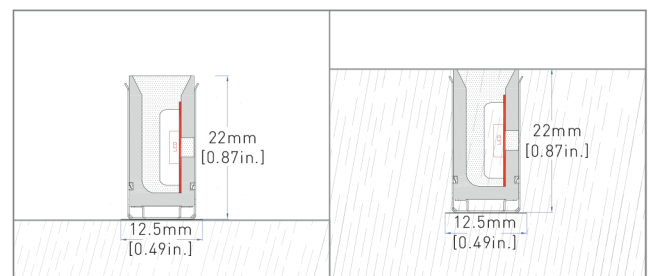
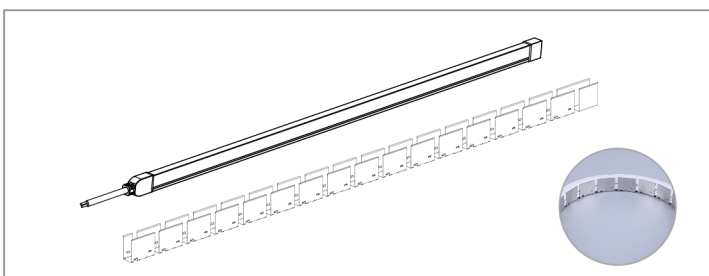
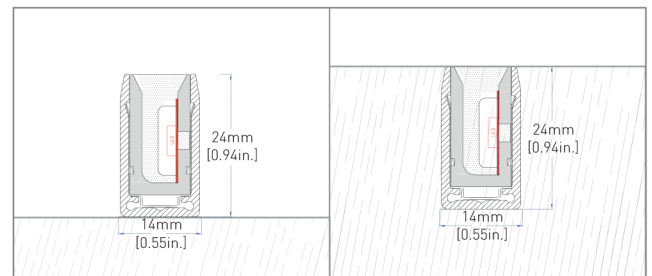
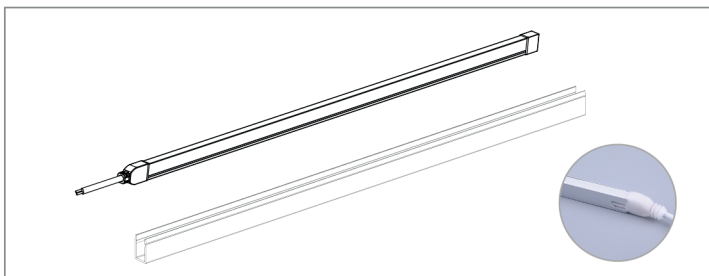
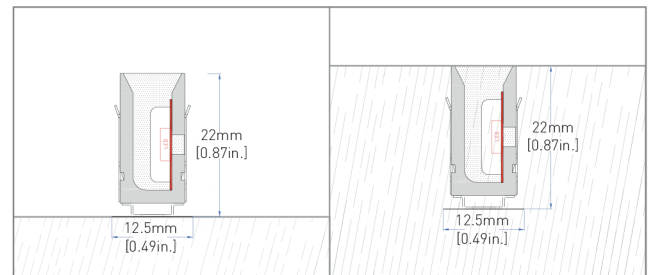
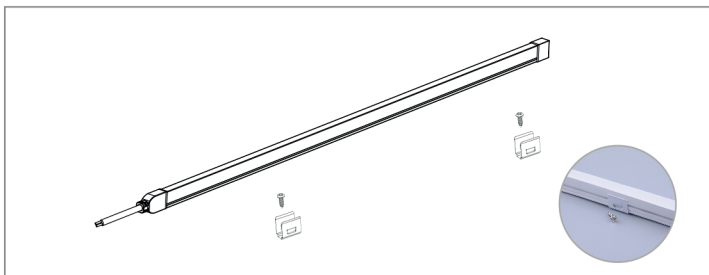
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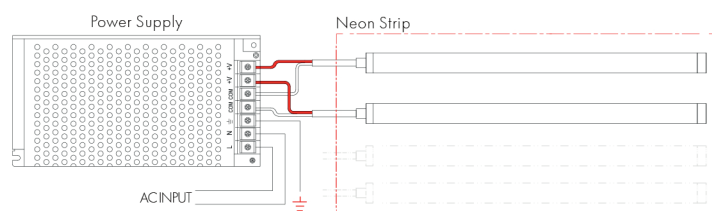
(2) Surface or flush mounting by bracket, aluminum channel or bendable bracket.

Note: Groove size requirement for flush mounted.

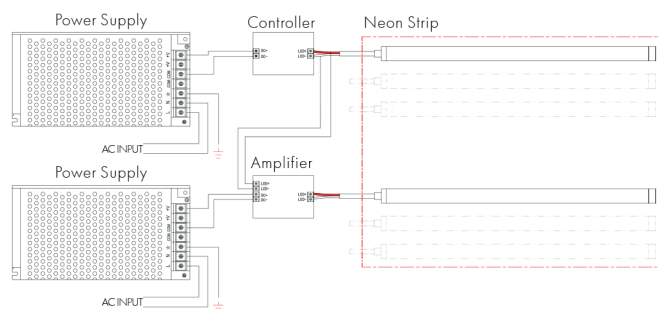


Connection

Non-Dimming Status for Single Color



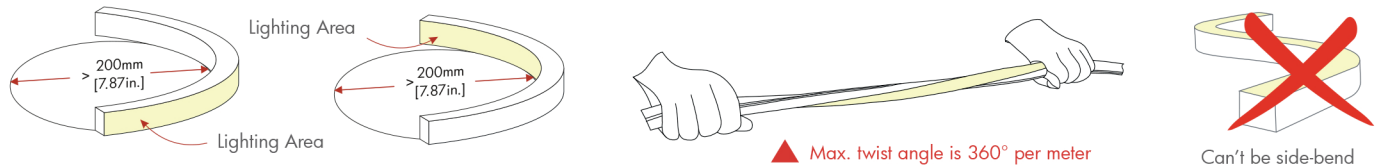
Dimming Status for Single Color



Notice

1. Adopt suitable power supply with power is 20% higher than the 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 bending diameter definition is 200mm[7.87in.] for Top-Bend and 120mm[4.72in.] for Side-Bend, too small bending diameter will break the luminary.
6. 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.

Top-Bend



Side-Bend

