



IP67

# NF-1010SB-XX

PRE-MADE  
LED NEON FLEX LIGHT

10x10

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PRODUCT SPECIFICATION

**LINEAR** **LUX**  
LED LIGHTING SOLUTIONS

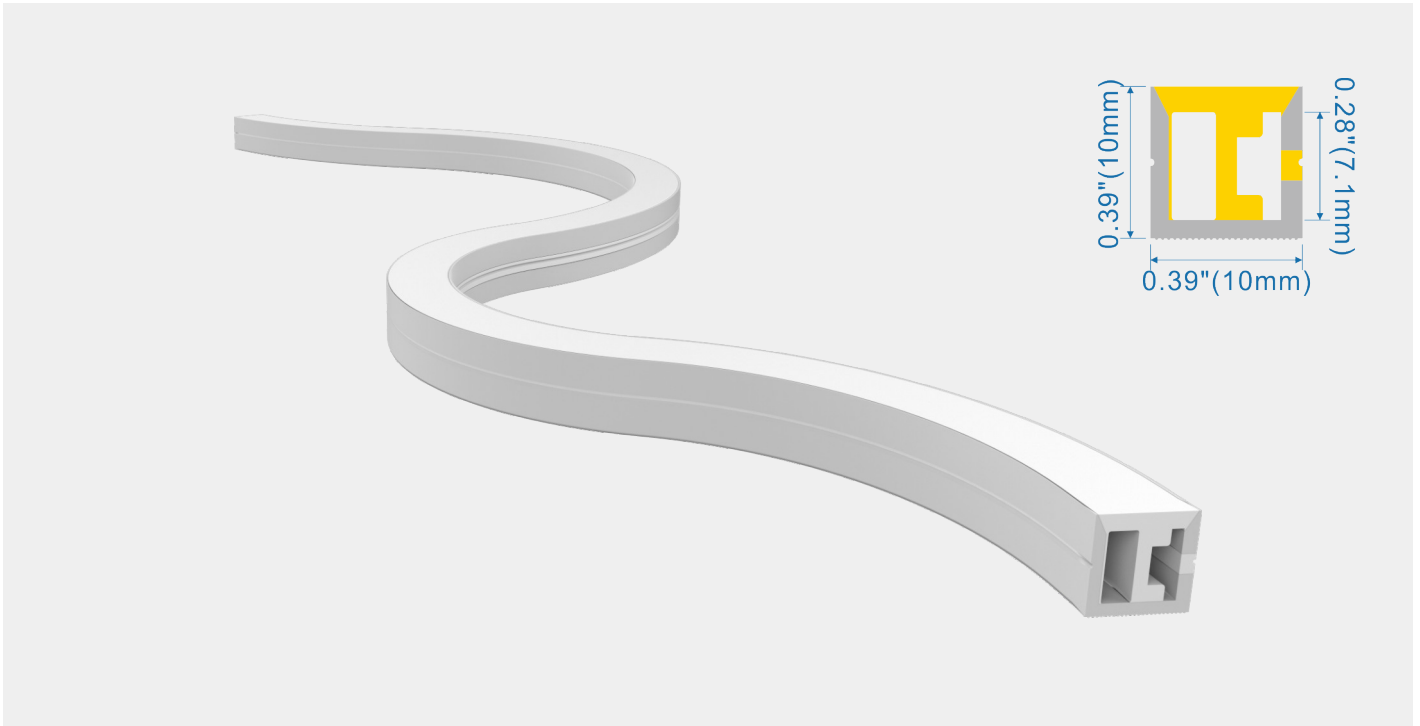
## Product Features

- This is a silicone based neon flex, it has excellent resistance to yellowing and cracking
- Silicone can withstand extreme temperatures and environments such as salt water.
- Silicone is resistant to the harsh effects of UV light and chemical exposure.
- Neon flex produces a uniform light output without dots.
- Assembled in Australia to desired specifications.




## Silicone vs PVC

Materials	Silicone Neon Flex	PVC Neon Flex	Notes
Main Parameters			
Colloid features @ -40°C	No cracking after 30 days	Totally Cracked	Low temperature resistance of silicone is far superior than PVC or epoxy materials
Colloid features @ 120°C	No obvious change after 72 hours	Colloid changed to yellow and deformed after 2 hours	High temperature resistance of silicone is far superior than PVC or epoxy materials
Colloid features @ 180°C	No obvious change after 72 hours	Colloid changed to brown and melted after 2 hours	Above 150°C, PVC is easily hydrolysed. Viscosity becomes weak and easily separated
Held in seawater for 72 hours	No obvious change	Series atomisation on the surface	Silicone has a high resistance to acidic, alkali and salt substances
Thermal conductivity	Good conductivity	Very poor conductivity	The LEDs within the neon flex requires good thermal conductivity to ensure reliability

## Product Image & Dimensions



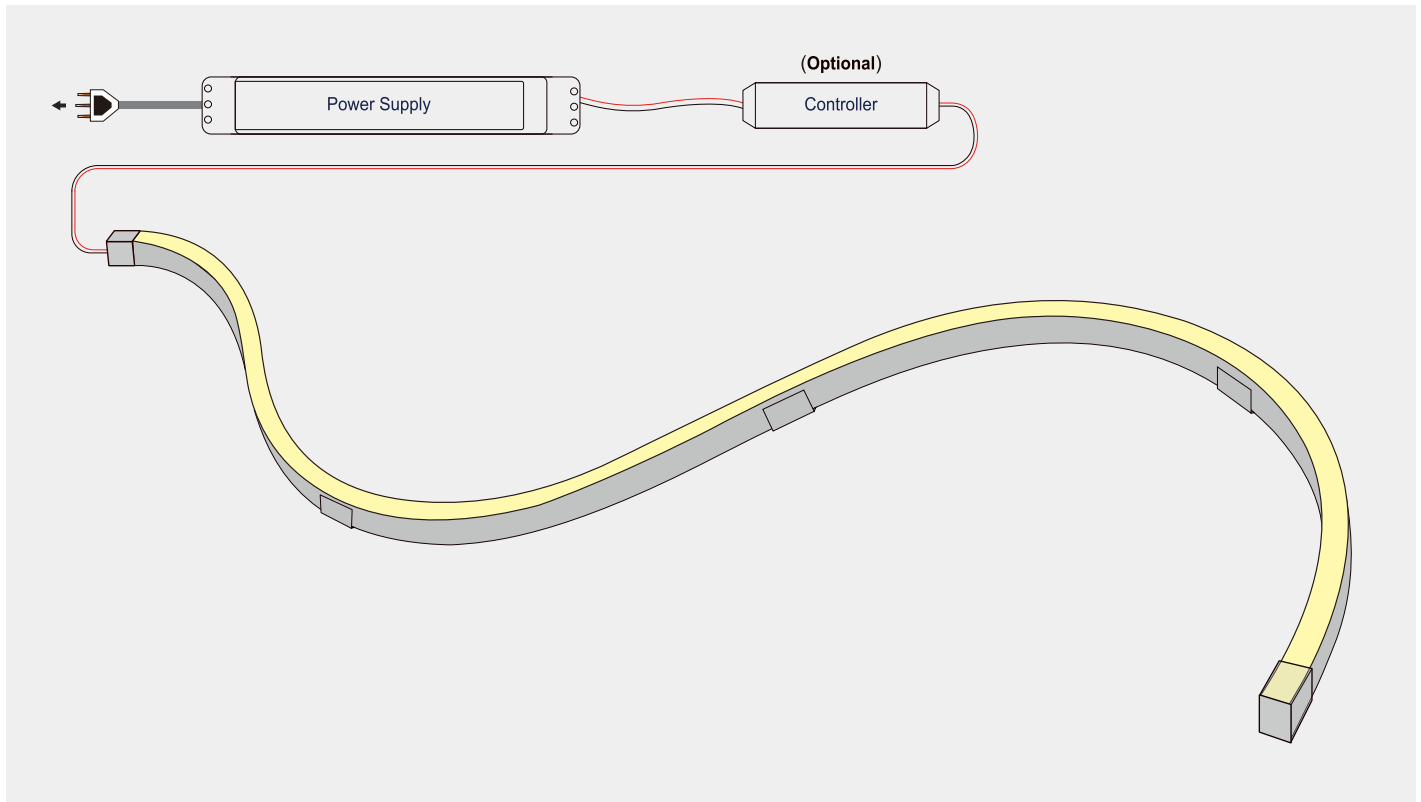
## Specification

Part Number	Colour	Lumens/m	Cutting Increments	Voltage	Power/m	Length
NF-1010SB-3K-50	3000°K 	648	50mm	24	7.2W	50.0m
NF-1010SB-4K-50	4000°K 	648	50mm	24	7.2W	50.0m
NF-1010SB-RGB-50	RGB 	N/A	50mm	24	9.6W	50.0m

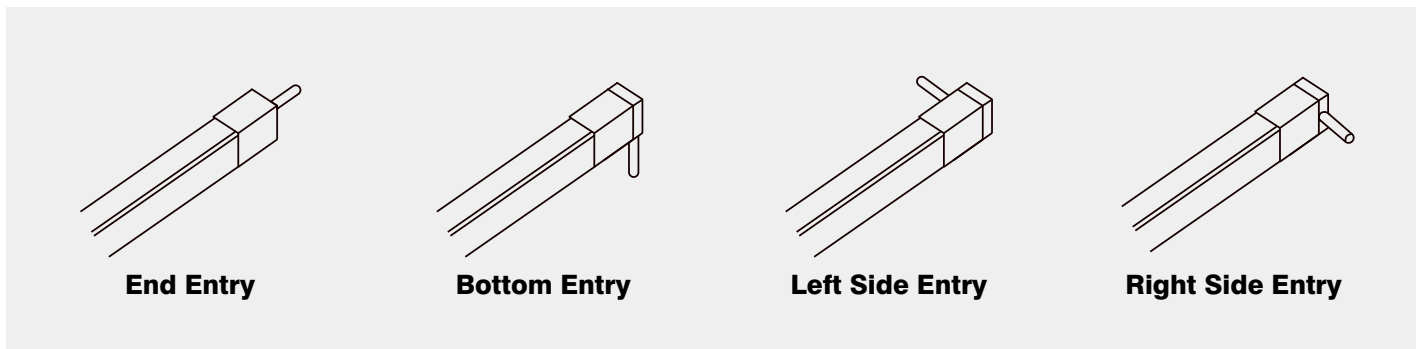
**Please Note:**

1. This neon flex can be cut at 50mm increments and re-terminated.

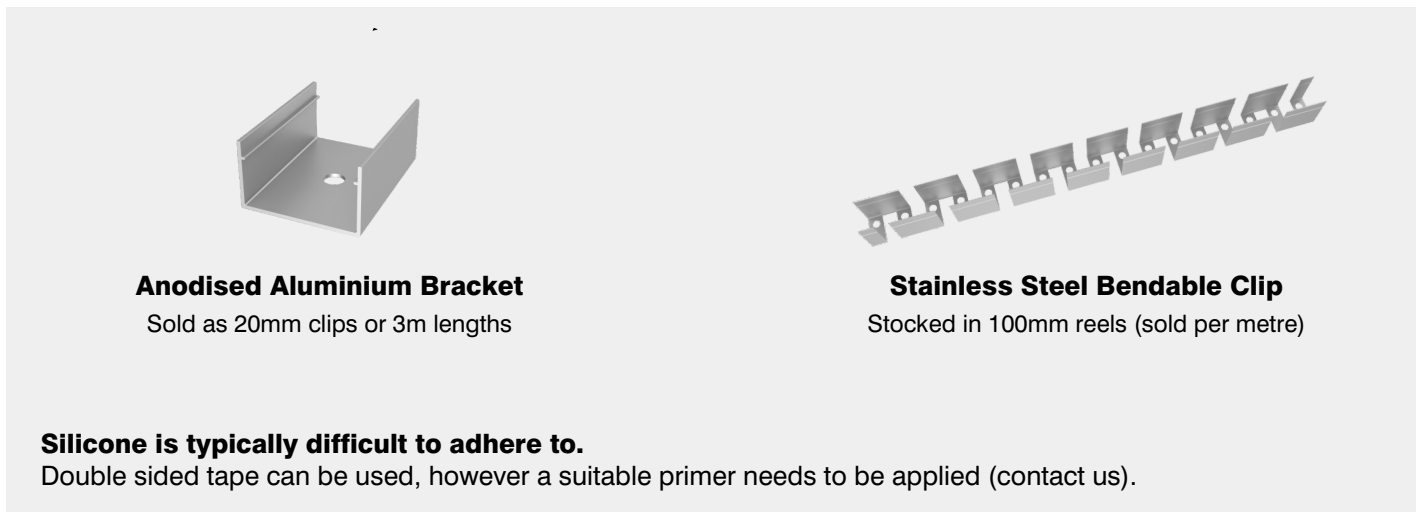
## Assembled Product



## Cable Entry Options



## Mounting Options



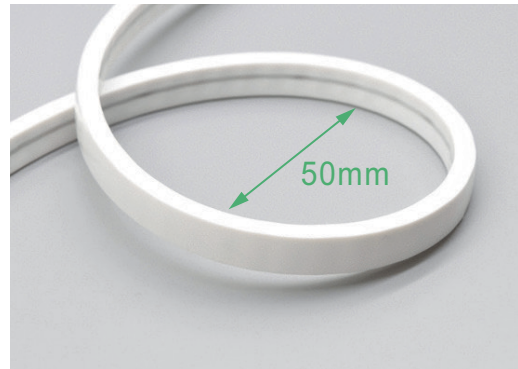
## Caution

- Care needs to be taken when transporting and installing the product.
- Lengths greater than 2m requires no fewer than 2 people. The neon flex should always be supported and not left hanging by it's own weight.
- Modifying or shortening the neon flex is strongly discouraged.
- Avoid twisting the neon flex
- Only bend the neon flex in the intended direction i.e. either side bend or top bend.
- Adhere to the minimum bending radius

### Correct Bending Direction



Side bending direction



Minimum bending radius is 50mm

### Wrong Bending Direction



Do not bend up or down,  
sideways only



Do not twist the neon flex