IP67

NF-1023SB

LED NEON FLEX LIGHT

10x23 DOME TOP

PRODUCT SPECIFICATION

LINEAR LUX
LED LIGHTING SOLUTIONS

Custom assembled in Australia

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 / Main Parameters	Silicone Neon Flex	PVC Neon Flex	Notes
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 hydrolised. 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

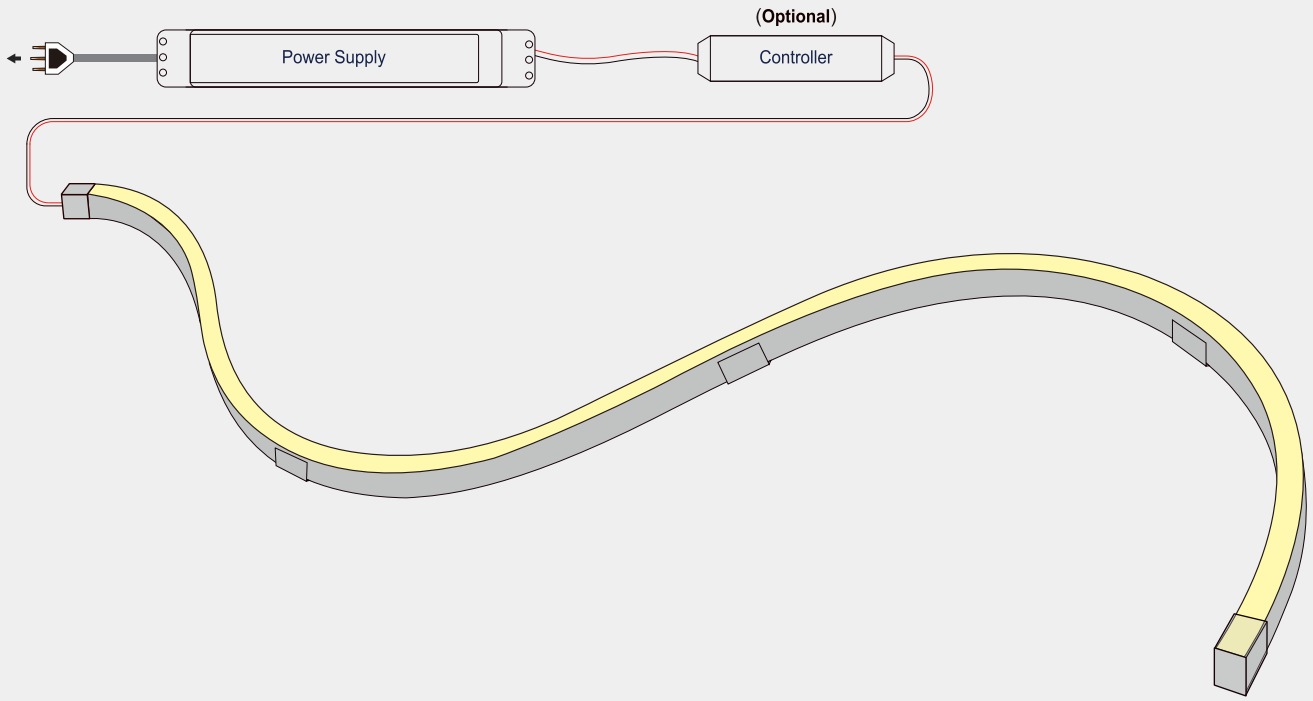
Product Image & Dimensions

Specification

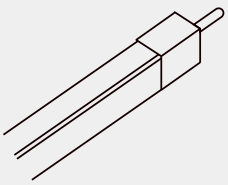
Part Number	Colour	Lumens/m	Cutting Increments		Voltage	Power/m	Length
NF-1023SB9.6-2K2	2200°K	593	12V / 25mm	24V / 50mm	12 / 24	7.2W	<12.0m
NF-1023SB9.6-2K4	2400°K	624	12V / 25mm	24V / 50mm	12 / 24	7.2W	<12.0m
NF-1023SB9.6-2K7	2700°K	657	12V / 25mm	24V / 50mm	12 / 24	7.2W	<12.0m
NF-1023SB9.6-3K0	3000°K	692	12V / 25mm	24V / 50mm	12 / 24	7.2W	<12.0m
NF-1023SB9.6-4K0	4000°K	728	12V / 25mm	24V / 50mm	12 / 24	7.2W	<12.0m
NF-1023SB9.6-6K0	6000°K	767	12V / 25mm	24V / 50mm	12 / 24	7.2W	<12.0m
NF-1023SB14.4-2K2	2200°K	889	12V / 25mm	24V / 50mm	12 / 24	14.4W	<12.0m
NF-1023SB14.4-2K4	2400°K	936	12V / 25mm	24V / 50mm	12 / 24	14.4W	<12.0m
NF-1023SB14.4-2K7	2700°K	986	12V / 25mm	24V / 50mm	12 / 24	14.4W	<12.0m
NF-1023SB14.4-3K0	3000°K	1038	12V / 25mm	24V / 50mm	12 / 24	14.4W	<12.0m
NF-1023SB14.4-4K0	4000°K	1092	12V / 25mm	24V / 50mm	12 / 24	14.4W	<12.0m
NF-1023SB14.4-6K0	6000°K	1150	12V / 25mm	24V / 50mm	12 / 24	14.4W	<12.0m
NF-1023SB24RGB	RGB	N/A	12V / 25mm	24V / 50mm	12 / 24	24W	<12.0m

Please Note:
1. Fixed colours such as blue or orange are available.
2. To avoid voltage drop we do not recommend lengths longer than 5m for 12V and 10m for 24V. If longer lengths are required we suggest powering the light from both ends.
3. Cutting distances my vary slightly.

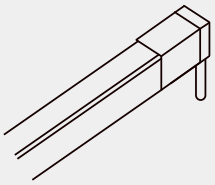
Assembled Product



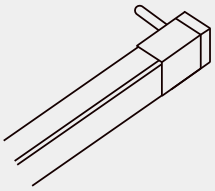
Cable Entry Options



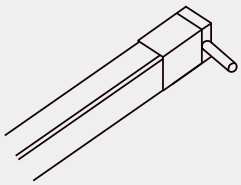
End Entry



Bottom Entry

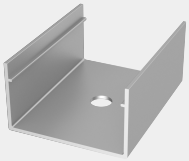


Left Side Entry

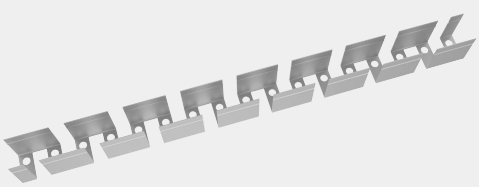


Right Side Entry

Mounting Options



Anodised Aluminium Bracket
Sold as 20mm clips or 3m lengths



Stainless Steel Bendable Clip
Stocked in 100mm reels (sold per metre)

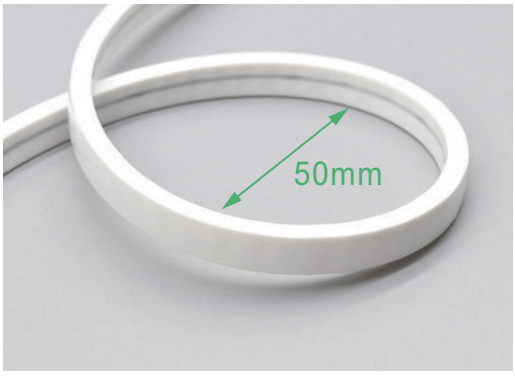
Silicone is typically difficult to adhere to.
Double sided tape can be used, however a suitable primer needs to be applied (contact us).

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