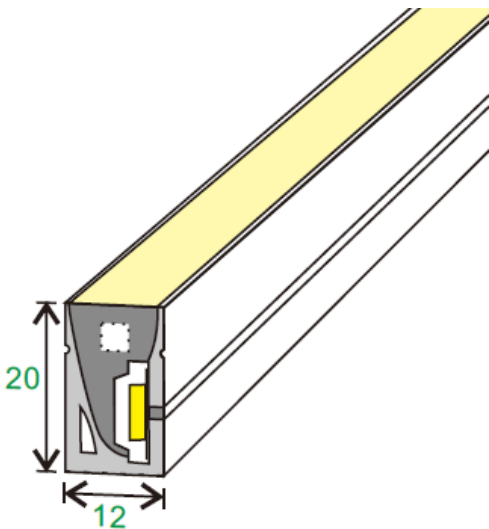# Allumio
Lighting Design

Neon 1220 Series

Neon 1220 Series

The Neon 1220 Series is a sophisticated side emitting LED Neon Flex and a more durable alternative to LED tape. This is a great option where visible as it has a soft and uniformed luminance with no light spot.


- Built for extreme environments
- 10 Watts (W/M)
- DC24V
- CRI>80
- Cree chip 5050
- 3 Step MacAdam Ellipse
- Size (mm) 12 x 20
- Working Temperature -20 ~ 50°C
- IP67
- 3 year warranty

Neon 1220 Series

Neon 1220 Series compared with PVC flexible LED strip

Materials / Main parameters	Silicone flexible led strip	PVC flexible led strip	Notes
Colloid features in -40℃	No crack after 30 days	Totally cracked	The low temperature resistant of silicone is superior than PVC or epoxy materials
Colloid features in 120℃	No obvious change after 72 hours	Colloid changed into yellow and deformed after 2 hours	The high temperature resistant of silicone is superior than PVC or epoxy
Colloid features in 180℃	No obvious change after 72 hours	Colloid changed into brown and some melted after 20 minutes	Over 150℃, PVC is easily hydrolyzed, Viscosity becomes weaken and easily seperated
Steadily lighted in Seawater for 72 hours	No obvious change	Serious atomization on the surface	The waterproof grade of silicone led strip can reach to IP67, high resistance to acidic alkali and salt properties
Thermal conductivity	Good thermal conductivity	No thermal conductivity	Pvc and epoxy cannot conduct heat, while silicone has good thermal conductivity

Injection-moulded connector

Connector

Tail plug
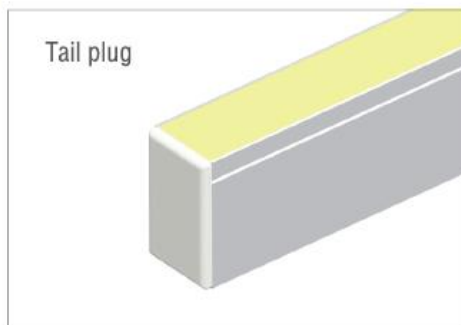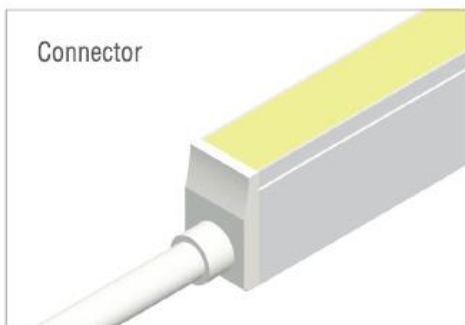
Connects light to power supply with pre-installed bottom feed cable, cable length available in 0.3m.

Neon 1220 Series
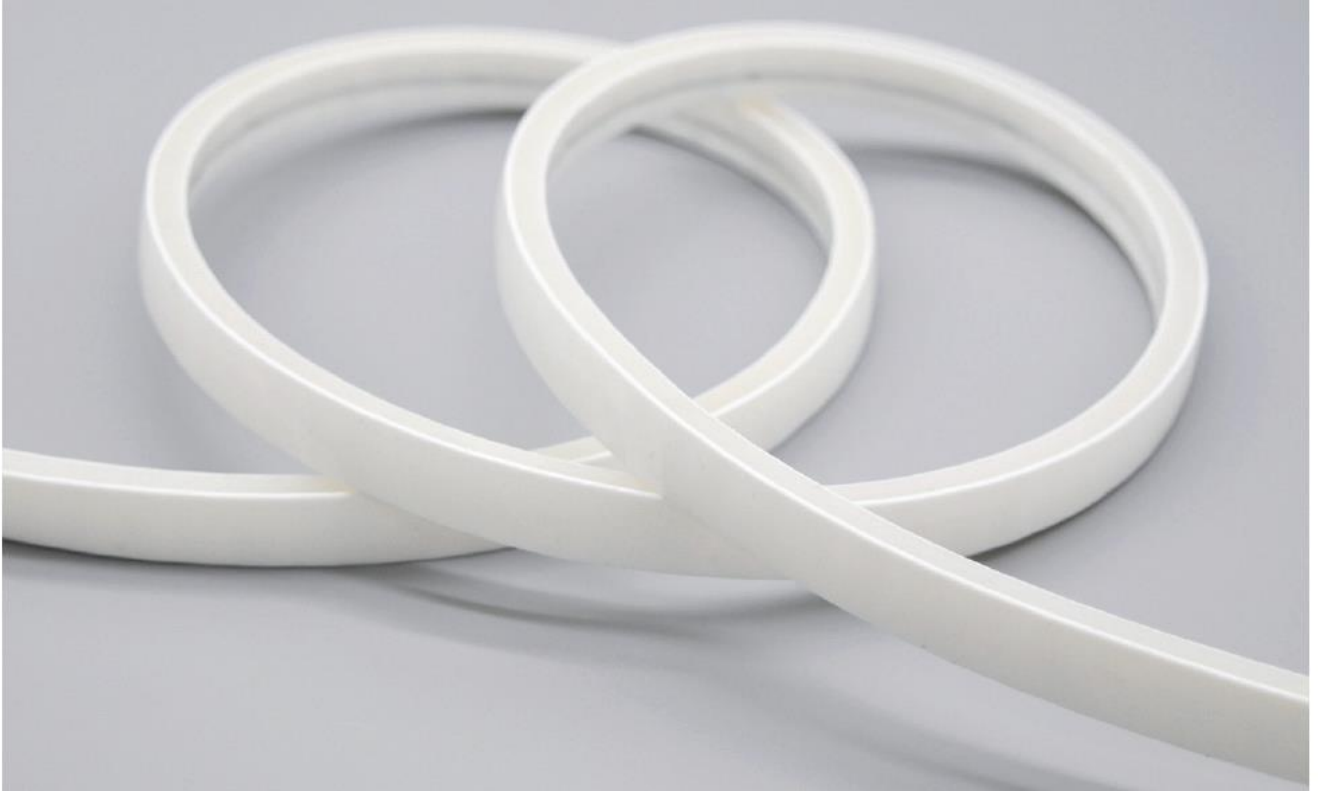
ALLUMIO NEON 1220 TAPE LIGHTING

WATTAGE BEAM ANGLE	10w		
Luminous	750lm	1040lm	1200lm
CCT	3k 3000k	4k 4000k	6k 6000k

Code Chart

Range Name	Wattage	Colour Temperature	Luminous
NEON1220 -	10	4	1040
NEON1220-1041040			

Neon 1220 Series

Correct bending

70mm ✓

80mm ✓
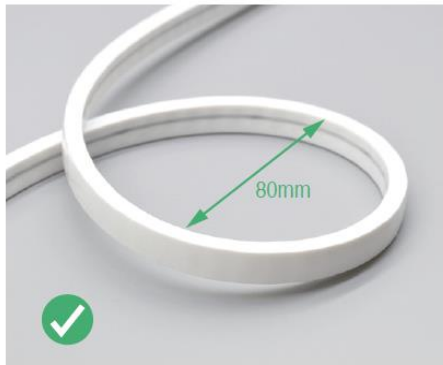
Incorrect bending

❌

❌
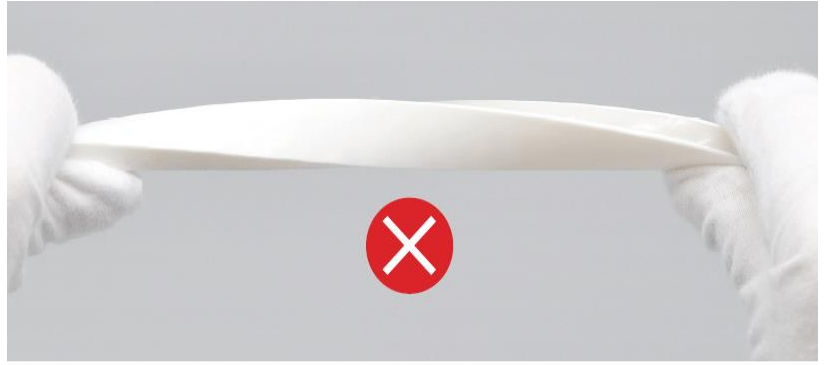
Installation Accessories

Screws + Fixed clips + Glue + Plug
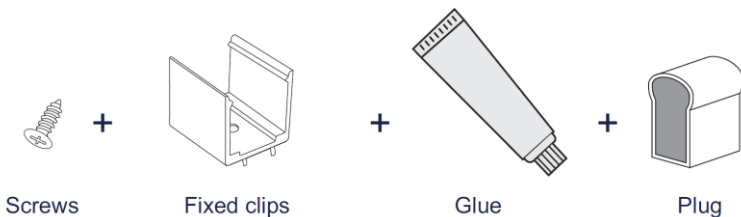
Mounting Clip

Also available in 1m lengths

SAA APPROVALS   CE   RoHS