



# Allumio

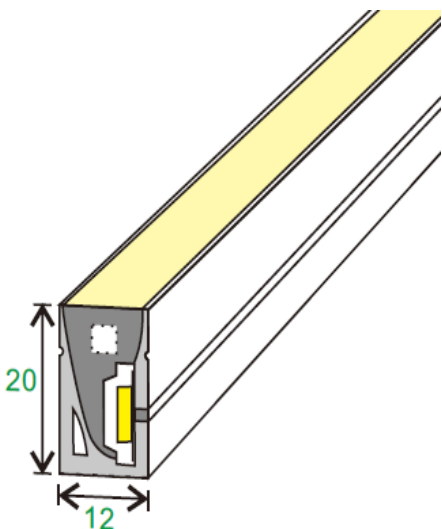
Lighting Design

Neon 1220 RGB Series



## Neon 1220 RGB Series

The Neon 1220 RGB 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.



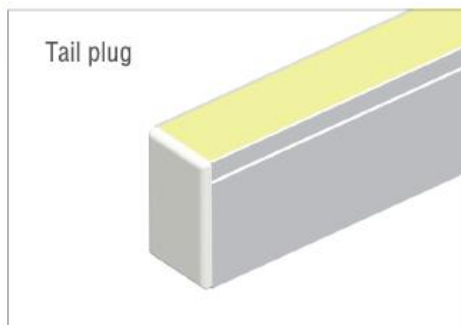
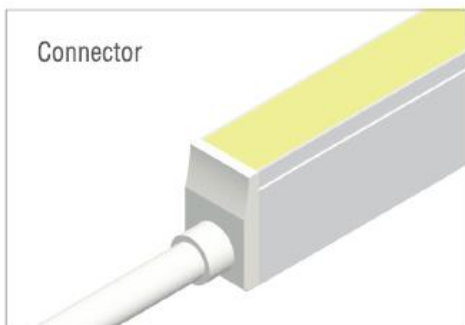
- Built for extreme environments
- 10 Watts (W/M)
- DC24V
- CRI>80
- Cree chip 5050
- 3 Step MacAdam Ellipse
- Size (mm) 12 x 20
- Working Temperature -20 ~ 50°C
- IP67
- 3 year warranty

## Neon 1220 RGB Series

Neon 1220 RGB Series compared with PVC flexible LED strip

Materials	Silicone flexible led strip	PVC flexible led strip	Notes
Main parameters			
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 separated
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



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

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### ALLUMIO NEON 1220 RGB TAPE LIGHTING

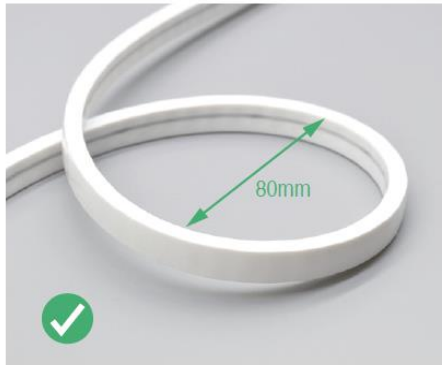
WATTAGE	10w		
BEAM ANGLE			
Luminous (LM)	24lm	51lm	13lm
CCT	R	G	B
Wavelengths	620-630nm	520-530nm	460-470nm

### Code Chart

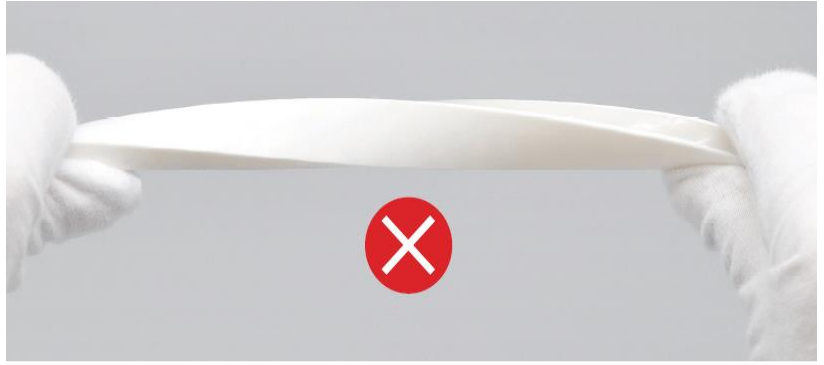
Range Name	Wattage	Colour Temperature
NEON1220 -	10	RGB
NEON1220-10RGB		

## Neon 1220 RGB Series

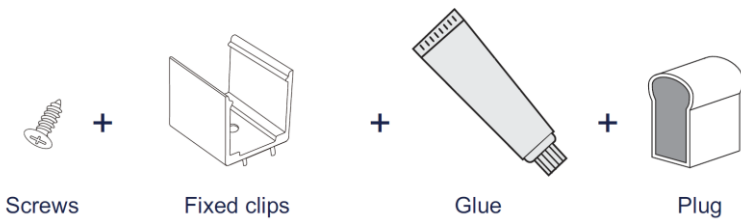
### Correct bending



### Incorrect bending



### Installation Accessories



### Mounting Clip



Also available in 1m lengths

