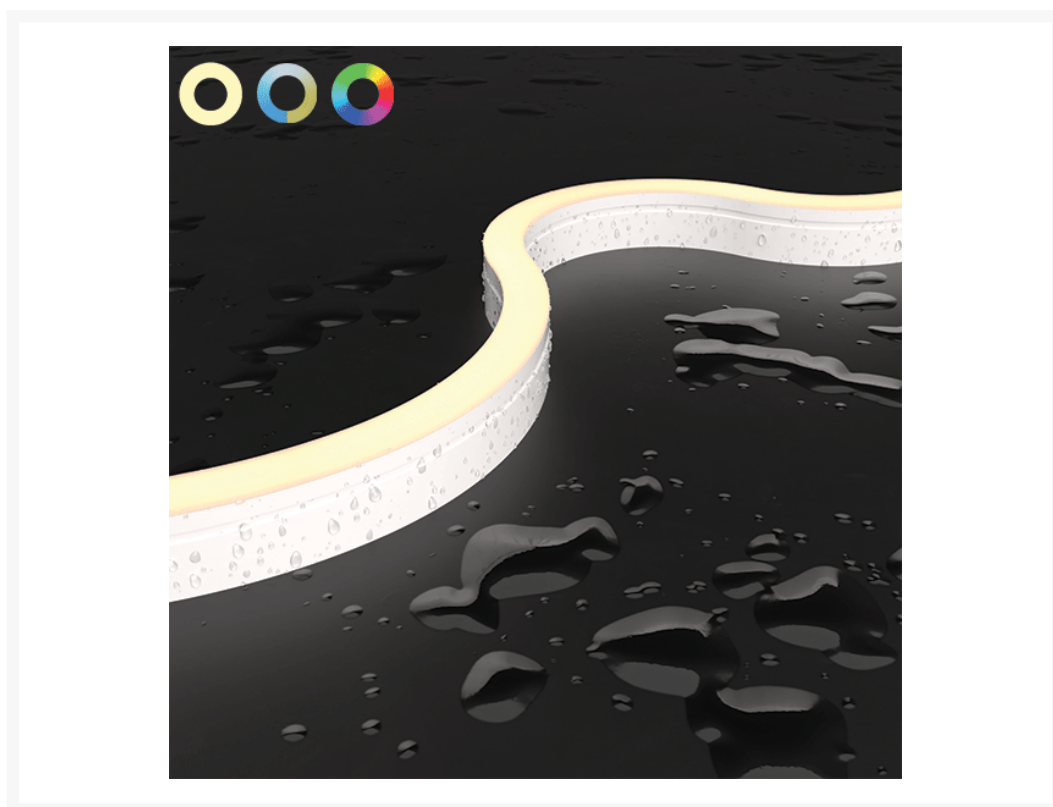




Silicone Neon Flex LED Strip - Side View 12mm x 20mm

Product Images



Short Description

Neon effect LED strip light with single colour output.

- IP67 rated casing with injection moulded connectors and end caps or various DIY alternatives
- Uniform neon light output
- 120° beam output
- White in choice of temperatures from 2200°K-6000°K
- Constant voltage (standard) and constant current versions available

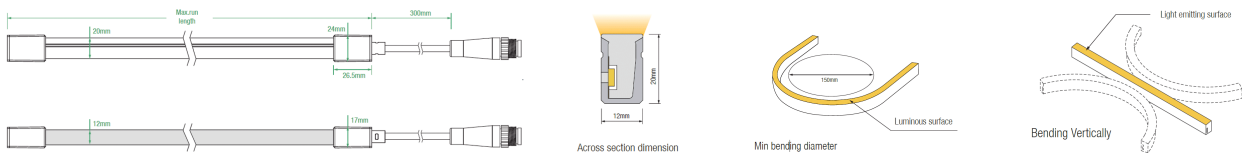
- Available in various Watts / m outputs
- Available in static colours such as blue, red, green, yellow, amber and more
- Available in colour change options such as RGB, RGBW, pixel RGB and dynamic white
- 3 year warranty
- Dimmable with Dali, DMX, PWM
- Side view light output - perpendicular flex to direction of light
- Custom made to order in specified lengths

Description

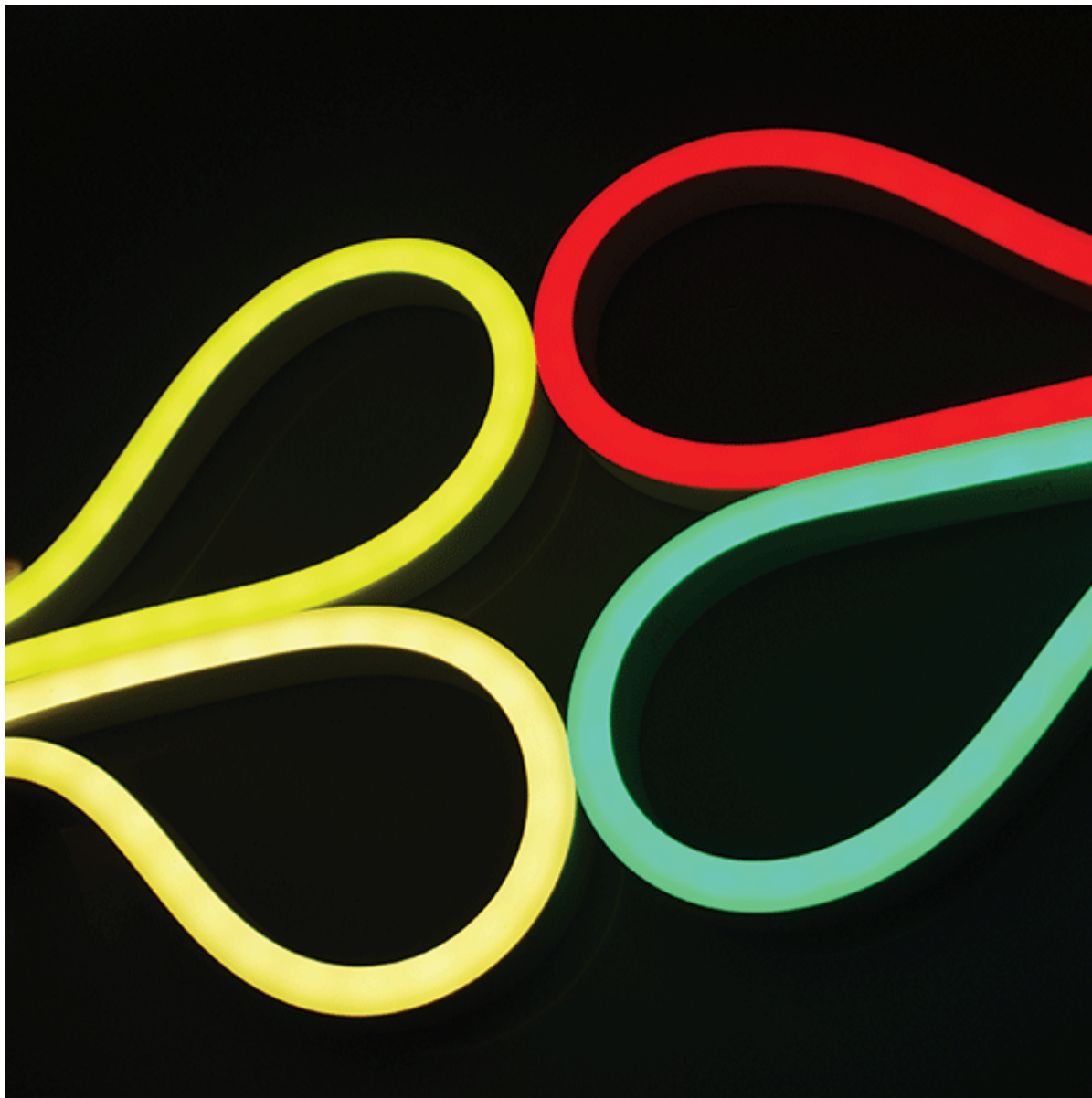
The Profile

Our neon effect LED strip is the perfect solution for interior or exterior application where a high level of waterproofing is required combined with an excellent light quality. The IP67 rating of the product means that it can be installed in wet locations and is suitable for exterior use. The product is entirely resistant to dust ingress and offers a high level of durability against solvents, saltwater and UV light.

The side view product is flexible in a perpendicular direction to the lens which means that it can be installed in applications where it must follow a certain radius as well as in straight lengths.







Specification

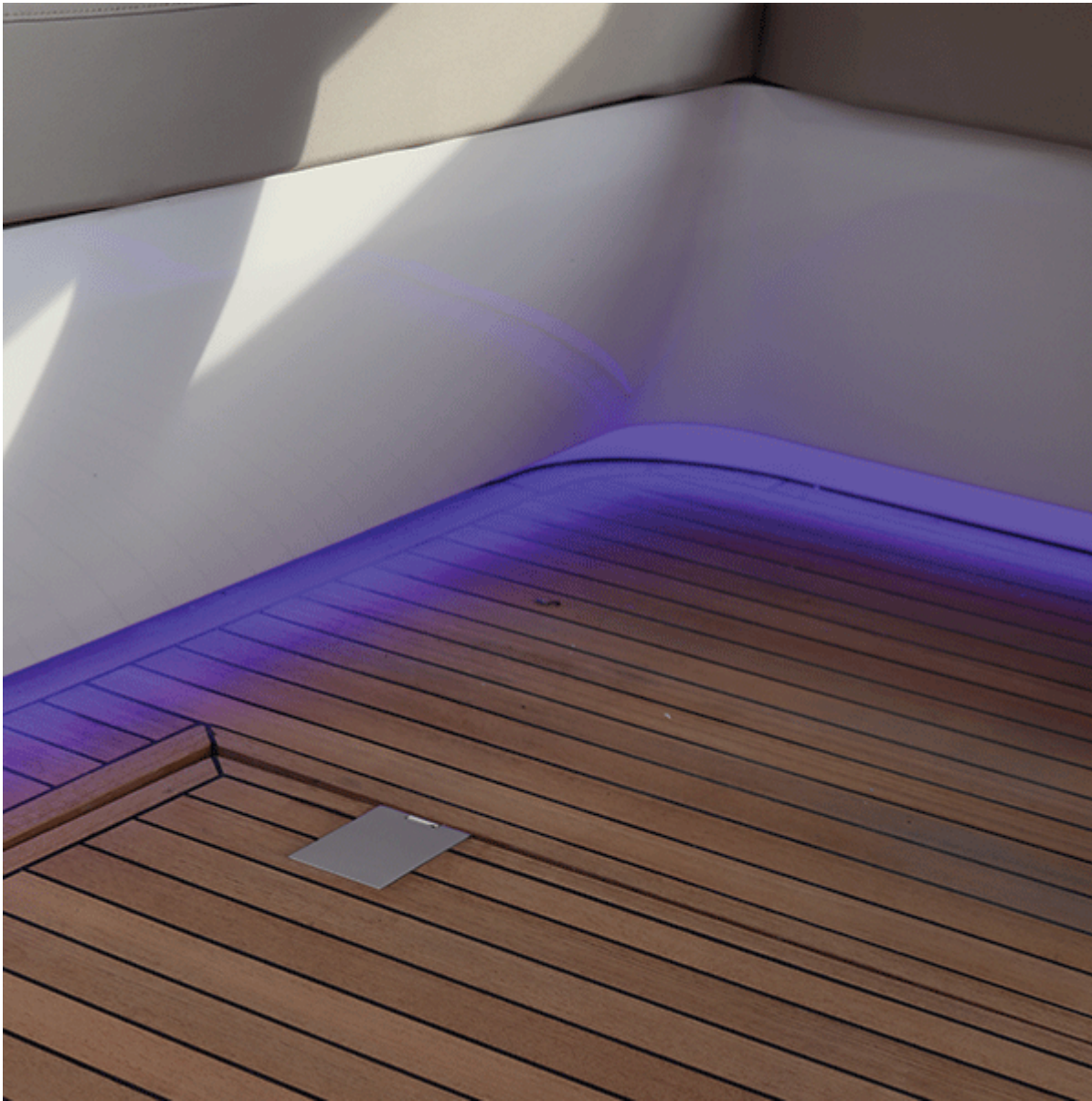
12x20mm Side View Neon Flex

Silicone construction IP67 Dimmable 12Vdc available on request* Constant current version also available

Code	CCT	CRI	LM/m	Watt/M	Cut Unit	Min. Bend Radius	Max. Length	Voltage	Type
NFS1220CV.5.24V.2200	2000-2200	>90	150	5	50mm	150mm	10m Single Power Input	24Vdc	CV
NFS1220CV.5.24V.2400	2300-2500	>90	145	5	50mm	150mm	10m Single Power Input	24Vdc	CV
NFS1220CV.5.24V.2700	2600-2800	>90	150	5	50mm	150mm	10m Single Power Input	24Vdc	CV
NFS1220CV.5.24V.3000	2900-3100	>90	145	5	50mm	150mm	10m Single Power Input	24Vdc	CV
NFS1220CV.5.24V.3500	3400-3700	>90	160	5	50mm	150mm	10m Single Power Input	24Vdc	CV
NFS1220CV.5.24V.4000	3800-4300	>90	165	5	50mm	150mm	10m Single Power Input	24Vdc	CV
NFS1220CV.5.24V.5000	4800-5300	>90	170	5	50mm	150mm	10m Single Power Input	24Vdc	CV
NFS1220CV.5.24V.6000	5900-6400	>90	155	5	50mm	150mm	10m Single Power Input	24Vdc	CV
NFS1220CV.5.24V.R	RED		72	5	50mm	150mm	10m Single Power Input	24Vdc	CV
NFS1220CV.5.24V.G	GREEN		210	5	50mm	150mm	10m Single Power Input	24Vdc	CV
NFS1220CV.5.24V.B	BLUE		30	5	50mm	150mm	10m Single Power Input	24Vdc	CV
NFS1220CV.5.24V.Y	YELLOW		56	5	50mm	150mm	10m Single Power Input	24Vdc	CV
NFS1220CV.5.24V.P	PINK		67	5	50mm	150mm	10m Single Power Input	24Vdc	CV
NFS1220CV.5.24V.RGB	RGB		73	5	62.5mm	150mm	10m Single Power Input	24Vdc	CV

NFS1220CV.10.24V.2200	2000-2200	>90	270	10	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.10.24V.2400	2300-2500	>90	275	10	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.10.24V.2700	2600-2800	>90	270	10	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.10.24V.3000	2900-3100	>90	270	10	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.10.24V.3500	3400-3700	>90	315	10	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.10.24V.4000	3800-4300	>90	320	10	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.10.24V.5000	4800-5300	>90	325	10	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.10.24V.6000	5900-6400	>90	310	10	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.10.24V.R	RED		130	10	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.10.24V.G	GREEN		350	10	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.10.24V.B	BLUE		55	10	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.10.24V.Y	YELLOW		121	10	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.10.24V.P	PINK		125	10	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.10.24V.RGB	RGB		125	10	62.5mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.10.24V.RGBW	RGBW			10	62.5mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.10.24V.CCT	2200-6000	>90	270	10	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.2200	2000-2200	>90	375	15	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.2400	2300-2500	>90	360	15	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.2700	2600-2800	>90	375	15	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.3000	2900-3100	>90	360	15	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.3500	3400-3700	>90	430	15	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.4000	3800-4300	>90	445	15	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.5000	4800-5300	>90	445	15	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.6000	5900-6400	>90	440	15	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.R	RED		185	15	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.G	GREEN		420	15	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.B	BLUE		75	15	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.Y	YELLOW		170	15	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.P	PINK		170	15	50mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.RGB	RGB		165	15	62.5mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.RGBW	RGBW			15	62.5mm	150mm	5m Single Power Input	24Vdc	CV
NFS1220CV.15.24V.CCT	2200-6000	>90	365	15	50mm	150mm	5m Single Power Input	24Vdc	CV

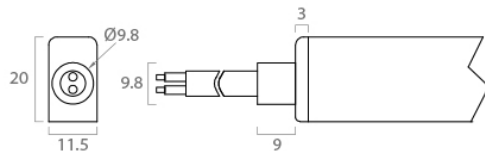




Connector Types

Straight

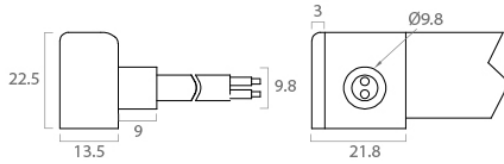
Our standard end connector features a straight connection, directly into the end of the strip LED. This connector is supplied with 600mm of cable as standard and is IP68 rated. The opposite end is a simple injection moulded end cap. When powering lengths that are greater than 10m, a double end connector of this type can be specified to allow a connection at both ends of the product. This avoids any voltage drop and ensures that the strip performs perfectly along the entire length (up to 20m).



Right or Left

One option is to have the connection made on either the right or left hand side (right hand side pictured). This connector is supplied with 600mm of cable and is IP68 rated. The opposite end is a simple injection moulded end cap.

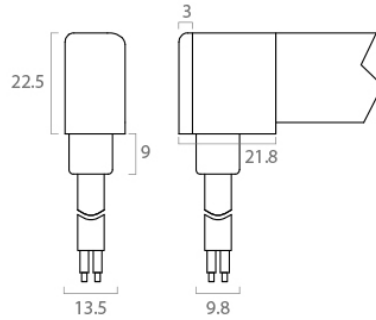
When powering lengths that are greater than 10m, a double end connector of this type can be specified to allow a connection at both ends of the product. This avoids any voltage drop and ensures that the strip performs perfectly along the entire length (up to 20m).



Bottom

This connector type emerges from the underside of the strip LED. This is ideal for applications where the end of the strip is visible and the power source is behind the strip. This connector is supplied with 600mm of cable and is IP68 rated. The opposite end is a simple injection moulded end cap.

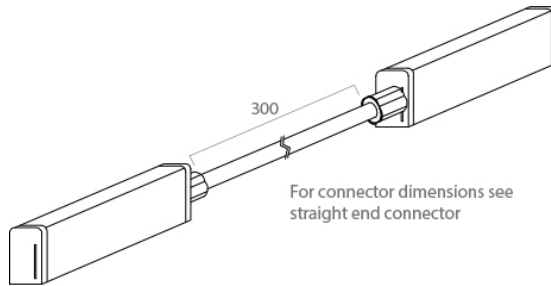
When powering lengths that are greater than 10m, a double end connector of this type can be specified to allow a connection at both ends of the product. This avoids any voltage drop and ensures that the strip performs perfectly along the entire length (up to 20m).



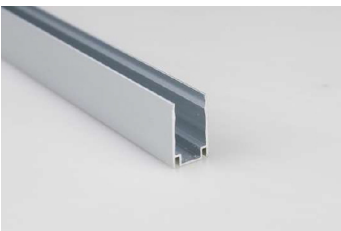
Jump

A jump connector allows two strip lengths to be connected to one another and keep an IP68 rating. This connector is supplied with 300mm of cable.

The opposite end is a simple injection moulded end cap. Multiples of this connection type are possible when connecting more than two lengths together. The total length of the strips and cable must not exceed 20m if powered from both ends.



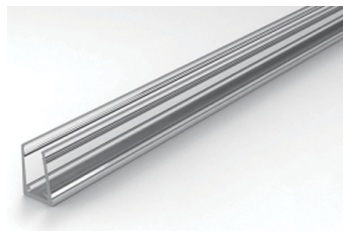
Accessories



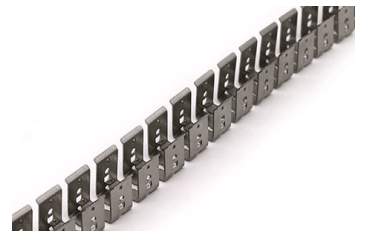
Aluminium U channel in 1 metre lengths or 50mm clips



Stainless steel 50mm clips



Transparent plastic channel in 1 metre lengths



Stainless steel flexible U channel in 1 metre lengths

Code	Description
NFS1220.EC1A	DIY IP67 plastic end cap for 12x20mm side view
NFS1220.S1A.300	Solder-free DIY IP67 plastic side connector for single colour 12x20mm side view - 300mm cable
NFS1220.B1A.300	Solder-free DIY IP67 plastic bottom connector for single colour 12x20mm side view - 300mm cable
NFS1220.E1A.300	Solder-free DIY IP67 plastic end connector for single colour 12x20mm side view - 300mm cable
NFS1220.S2A.300	Solder-free DIY IP67 plastic side connector for CCT 12x20mm side view - 300mm cable
NFS1220.B2A.300	Solder-free DIY IP67 plastic bottom connector for CCT 12x20mm side view - 300mm cable
NFS1220.E2A.300	Solder-free DIY IP67 plastic end connector for CCT 12x20mm side view - 300mm cable
NFS1220.S3A.300	Solder-free DIY IP67 plastic side connector for RGB 12x20mm side view - 300mm cable
NFS1220.B3A.300	Solder-free DIY IP67 plastic bottom connector for RGB 12x20mm side view - 300mm cable
NFS1220.E3A.300	Solder-free DIY IP67 plastic end connector for RGB 12x20mm side view - 300mm cable
NFS1220.S4A.300	Solder-free DIY IP67 plastic side connector for RGBW 12x20mm side view - 300mm cable
NFS1220.B4A.300	Solder-free DIY IP67 plastic bottom connector for RGBW 12x20mm side view - 300mm cable
NFS1220.E4A.300	Solder-free DIY IP67 plastic end connector for RGBW 12x20mm side view - 300mm cable
NFS1220.EC1B	DIY IP67 silicone end cap for 12x20mm side view

Code	Description
NFS1220.S2B.300	DIY IP67 silicone side connector for single colour 12x20mm side view - 300mm cable
NFS1220.B2B.300	DIY IP67 silicone bottom connector for single colour 12x20mm side view - 300mm cable
NFS1220.E2B.300	DIY IP67 silicone end connector for single colour 12x20mm side view - 300mm cable
NFS1220.IM.S1A.300	IP67 Injection moulded side connector for single colour 12x20mm side view - 300mm cable
NFS1220.IM.B1A.300	IP67 Injection moulded bottom connector for single colour 12x20mm side view - 300mm cable
NFS1220.IM.E1A.300	IP67 injection moulded end connector for single colour 12x20mm side view - 300mm cable
NFS1220.IM.S1B.600	IP68 Injection moulded side connector for single colour 12x20mm side view - 600mm cable - swimming pool safe
NFS1220.IM.B1B.600	IP68 injection moulded bottom connector for single colour 12x20mm side view - 600mm cable - swimming pool safe
NFS1220.IM.E1B.600	IP68 injection moulded end connector for single colour 12x20mm side view - 600mm cable - swimming pool safe
NFS1220.IM.S2A.300	IP67 Injection moulded side connector for CCT 12x20mm side view - 300mm cable
NFS1220.IM.B2A.300	IP67 Injection moulded bottom connector for CCT 12x20mm side view - 300mm cable
NFS1220.IM.E2A.300	IP67 Injection moulded end connector for CCT 12x20mm side view - 300mm cable

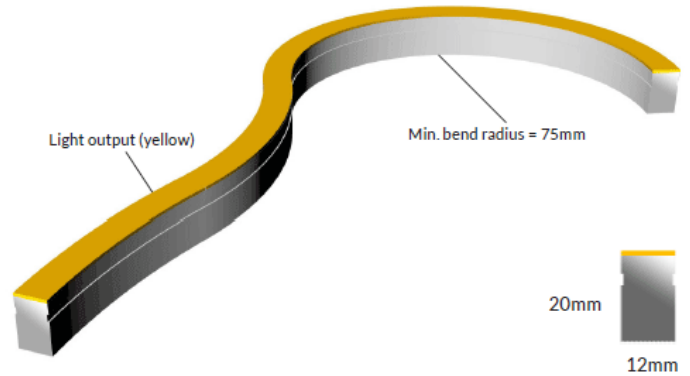
Code	Description
NFS1220.IM.S2B.600	IP68 Injection moulded side connector for CCT 12x20mm side view - 600mm cable - swimming pool safe
NFS1220.IM.B2B.600	IP68 Injection moulded bottom connector for CCT 12x20mm side view - 600mm cable - swimming pool safe
NFS1220.IM.E2B.600	IP68 Injection moulded end connector for CCT 12x20mm side view - 600mm cable - swimming pool safe
NFS1220.IM.S3A.300	IP67 Injection moulded side connector for RGB 12x20mm side view - 300mm cable
NFS1220.IM.B3A.300	IP67 Injection moulded bottom connector for RGB 12x20mm side view - 300mm cable
NFS1220.IM.E3A.300	IP67 injection moulded end connector for RGB 12x20mm side view - 300mm cable
NFS1220.IM.S3B.600	IP68 Injection moulded side connector for RGB 12x20mm side view - 600mm cable - swimming pool safe
NFS1220.IM.B3B.600	IP68 Injection moulded bottom connector for RGB 12x20mm side view - 600mm cable - swimming pool safe
NFS1220.IM.E3B.600	IP68 injection moulded end connector for RGB 12x20mm side view - 600mm cable - swimming pool safe
NFS1220.IM.S4A.300	IP67 Injection moulded side connector for RGBW 12x20mm side view - 300mm cable
NFS1220.IM.B4A.300	IP67 Injection moulded bottom connector for RGBW 12x20mm side view - 300mm cable
NFS1220.IM.E4A.300	IP67 injection moulded end connector for RGBW 12x20mm side view - 300mm cable
NFS1220.IM.S4B.600	IP68 Injection moulded side connector for RGBW 12x20mm side view - 600mm cable - swimming pool safe
NFS1220.IM.B4B.600	IP68 Injection moulded bottom connector for RGBW 12x20mm side view - 600mm cable - swimming pool safe
NFS1220.IM.E4B.600	IP68 Injection moulded end connector for RGBW 12x20mm side view - 600mm cable - swimming pool safe
NFS1220.UA1	Aluminium 1m U mounting channel for 12x20mm side view
NFS1220.UAC	Aluminium U mounting clip for 12x20mm side view
NFS.UP1	Transparent plastic 1m U mounting channel for 12x20mm & 11.5x21mm side view

Code	Description
NFT1220.USC	Stainless steel U mounting clip for 12x20mm side view
NFS.UFLEX	Stainless steel flexible U mounting clip for 12x20mm & 11.5x21mm side view

Use of the IP68 type injection moulded end connectors makes product IP68 rated and safe for use in swimming pool installations. Maximum installation depth is 1.5m. Custom cable lengths over 300mm available on request. DIY silicone end caps achieve IP67 rating when correctly installed with wet silicone.



The Profile



Accessories







Additional Information

Weight (kg)	0.375000
Light Element Type	SMD LED 10W/m
Material	Silicone
Lens Angle	120°
Width (mm)	12.00
Height (mm)	20.00
Wattage	10W / Metre
Input Voltage	24Vdc
IP Rating	IP67
Dimmer	Yes
LEDs Per Metre	168
CRI	>90
Cutting Intervals (mm)	50.00
Lumens Per Watt (Lm)	28.00 (average)
Lumens	150-445
Operating Temperature Range (°C)	-25° - +45°C
Strip LED Type	Flexible Neon

