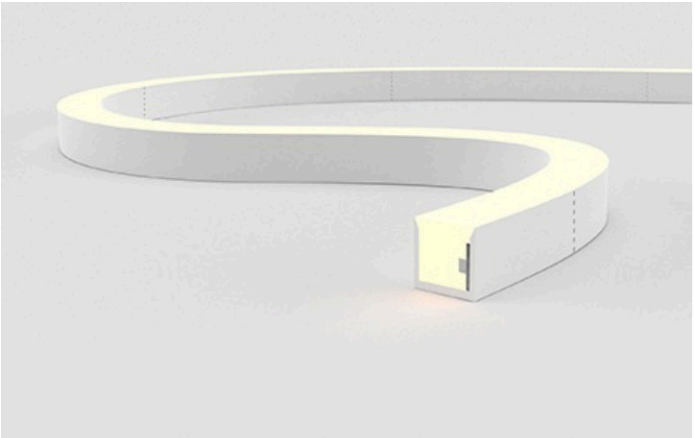
15 x 15mm (W x D) Horizontal Bend Neon Flex

Warm White 2700K | 48V DC | 100mm (10cm) cut | 40m single-end feed

48V	15x15mm	100mm	40m	Horizontal
Voltage	Cross-section	Cut interval	Maximum run	Bending

SPECIFICATIONS

Light colour	Warm White 2700K
Supply	48V DC
Order length	1-40m
Cross-section	15x15mm
Cut	100mm (10cm)
Max run	40m
Bending	Horizontal only
Light surface	Flat / nominal 120°
Material	Silicone
IP rating	IP67*
Lumens per metre	366.53 lm/m**
Measured CRI Ra	89.5**
LED type	SMD2835
LEDs per metre	120
Warranty	4 Years
Average lifetime	50,000 hours
Operating temperature	-30°C to 50°C



Silicone construction illustration

Horizontal / Side Bend

The LED board sits along the side of the silicone section. The flat emitting face follows smooth horizontal curves without twisting.

* Body rating; use the correct sealed connections. ** Supplier sample output and CRI; basis on page 2.

These lights are custom cut and made to order to your specific requirements.

DIMENSIONS

15mm wide x 15mm deep (W x D).

Flat emitting face with a nominal 120° surface angle. Bend in the horizontal plane only.

Dimensions refer to the neon body. Confirm additional space for connectors and mounting channels.

Dimensions in mm. Not to scale.

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PERFORMANCE & INSTALLATION OVERVIEW

48V horizontal-bend white-light comparison

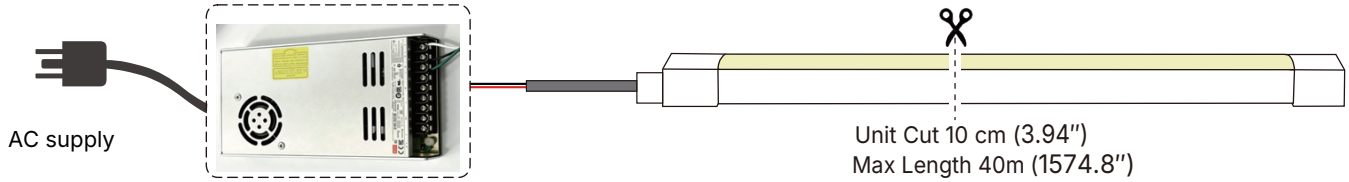
Nominal CCT	Output (lm/m)	Measured CRI Ra	Technical basis
2700K	366.53	89.5	Supplier sample
3000K	360.39	92.2	Supplier sample
4000K	387.01	Not verified	Summary table
6000K	391.39	91.4	Supplier sample

Supplier-reported horizontal-bend output and sample CRI; typical values, not guaranteed production minima.

4000K output is based on the supplier summary. A verified 4000K CRI measurement is not available.

Confirm connected load, supply capacity and cable voltage drop before installation. Match the supply and any controller to 48V DC.

SINGLE-END POWER CONNECTION



100mm (10cm) cut marks / maximum 40m single-end feed

Isolate power before work. Fully unroll before energising. Confirm supply capacity, cable size, voltage drop and polarity. The power supply is illustrative; non-weatherproof supplies need a suitable dry, protected location.

HORIZONTAL BENDING

Bend only in the illustrated horizontal plane. Do not twist, kink or bend vertically. Keep the first and last units straight beside connectors.

Use broad, smooth curves. A numerical minimum bend radius is not specified in the supplied guide; confirm it before planning tight curves.

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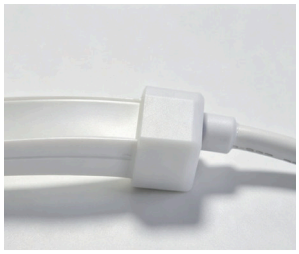
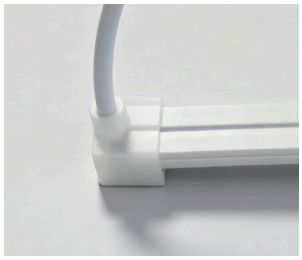
CONNECTION ACCESSORIES

Select the required cable-entry direction and a connector system suitable for the exact neon and installation. Connector-option ratings are separate from the neon body rating.

Connector options


Front

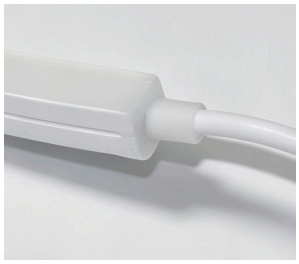

Bottom

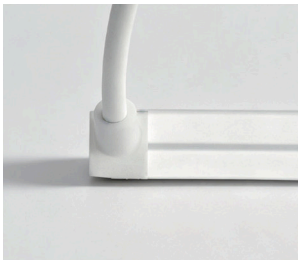
Side left

Side right

End cap

Alternative connector options


Front


Bottom

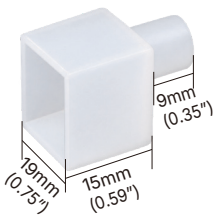
Side left

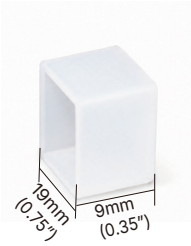
Side right

End cap

Accessories are selected separately; illustrations do not indicate included parts or certify the completed assembly. Confirm connector compatibility and sealing before ordering.

FITTING & LEAD REFERENCE





Silicone power wire

The example accessory lead is 200mm with a 6mm callout. This is a supplier connector reference, not confirmation of the included lead length, conductor size or current capacity.

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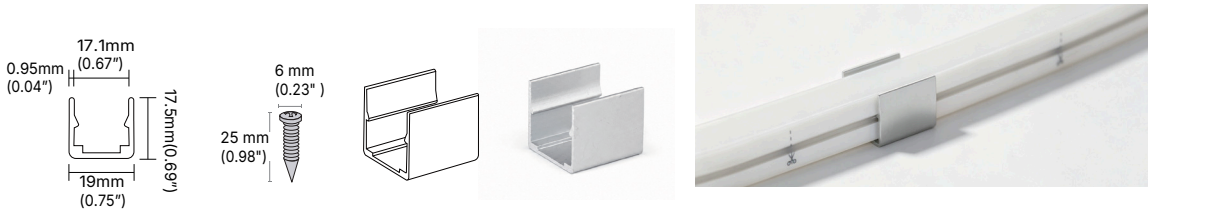
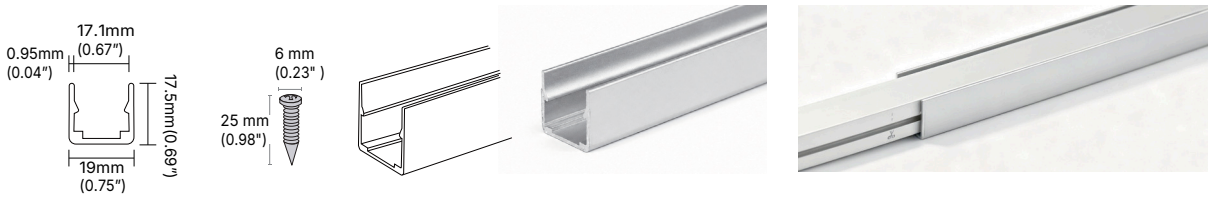
CHANNELS & MOUNTING

20mm clip and 1m aluminium channel

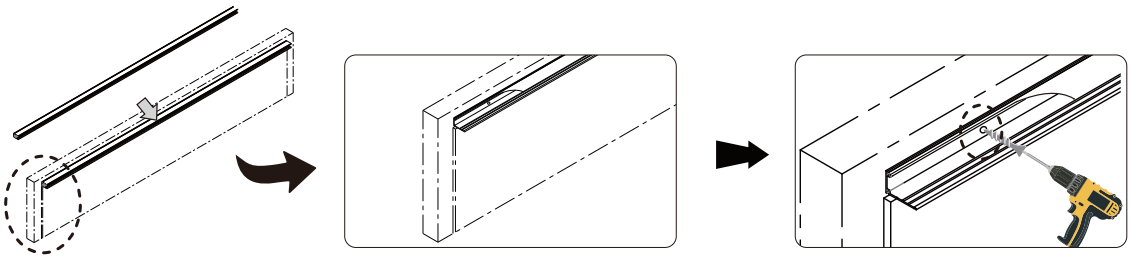


1 m Aluminum Channel

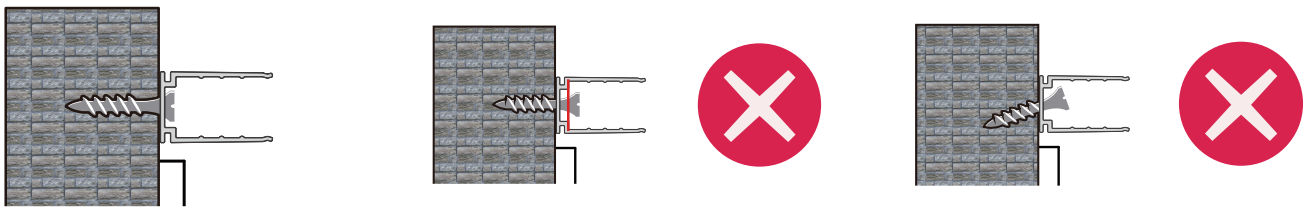


Supplier mounting reference: 19mm outside width, 17.1mm clear width, 17.5mm height and 0.95mm wall. Confirm the exact channel and connector fit before fixing.

SECURE THE CHANNEL FIRST



Fix into a suitable substrate. Screw heads must sit flush with or below the channel base, with screws straight and clear of the neon. Remove sharp edges and debris before insertion.



Flush or recessed screw: correct. Protruding or angled screw: incorrect.

Use the separate Horizontal Bend Installation Guide for illustrated cutting, connection, sealing, curing, commissioning and troubleshooting. Follow the instructions for the exact termination kit supplied.

Companion guide: Installation-HB-48V.pdf