

# 15x15mm Horizontal Bend Neon Flex

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

**48V**

Voltage

**15x15mm**

Cross-section

**100mm**

Cut interval

**40m**

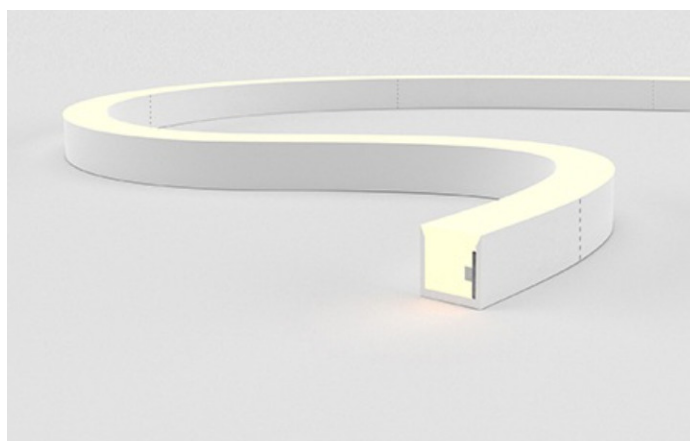
Maximum run

**Horizontal**

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

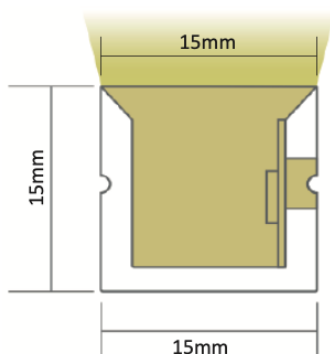
## Horizontal / Side Bend

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. 15mm high.

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.

# 15x15mm Horizontal Bend Neon Flex

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

## PERFORMANCE & INSTALLATION OVERVIEW

### 48V horizontal-bend white-light comparison

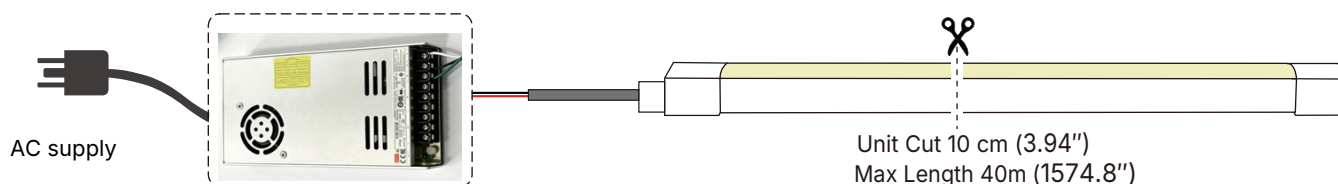
| Nominal CCT | Output (lm/m) | Measured CRI Ra | Technical basis |
|-------------|---------------|-----------------|-----------------|
| 2700K       | 366.53        | 89.5            | Supplier sample |
| 3000K       | 360.39        | 92.2            | Supplier sample |
| 4000K       | 387.01        | 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.

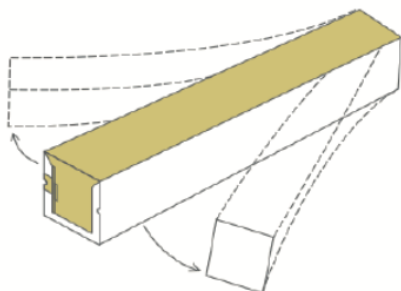
## SINGLE-END POWER CONNECTION



### 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.

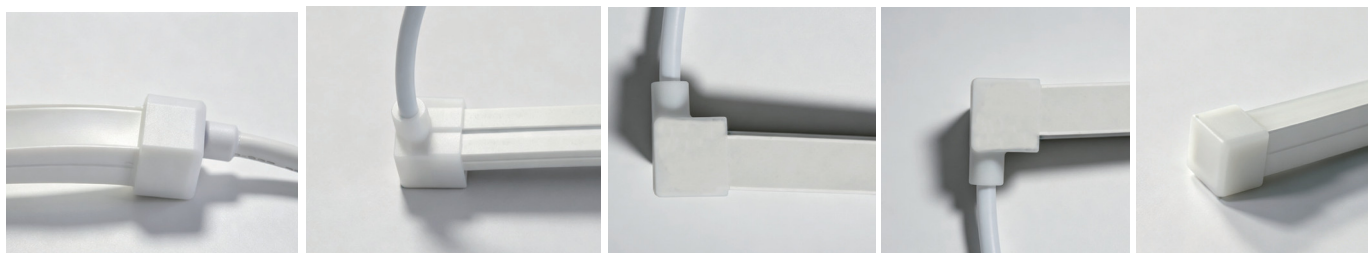
# 15x15mm Horizontal Bend Neon Flex

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

## 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

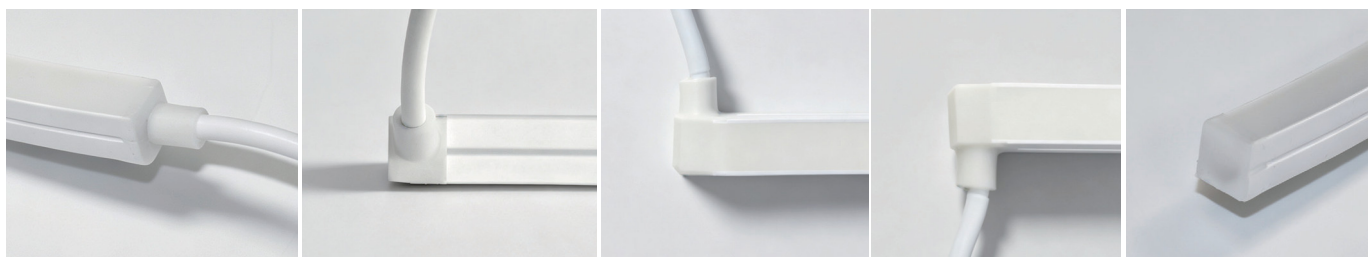
Bottom

Side left

Side right

End cap

### Alternative connector options



Front

Bottom

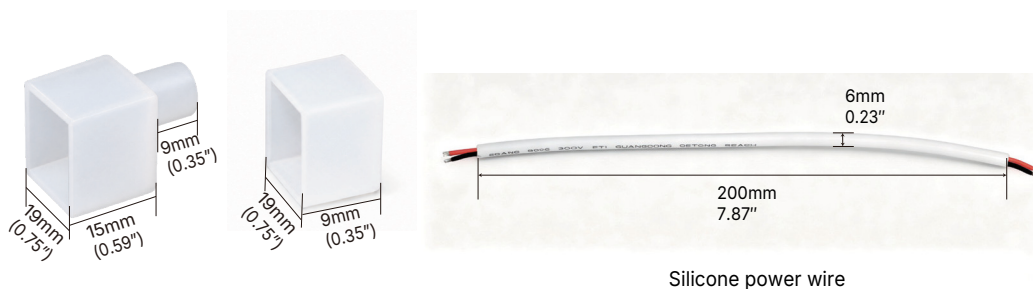
Side left

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



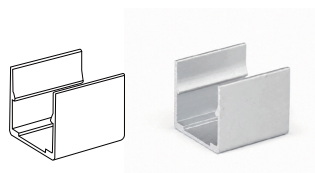
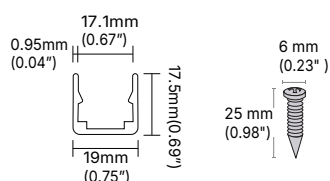
The example accessory lead is 200mm with a 6mm callout. This is a supplier connector reference, not confirmation of the included lead length, conductor size or current capacity.

# 15x15mm Horizontal Bend Neon Flex

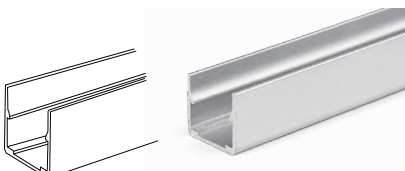
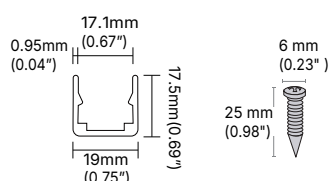
Warm White 2700K | 48V DC | 100mm (10cm) cut | 40m single-end feed

## CHANNELS & MOUNTING

### 20mm clip and 1m aluminium channel

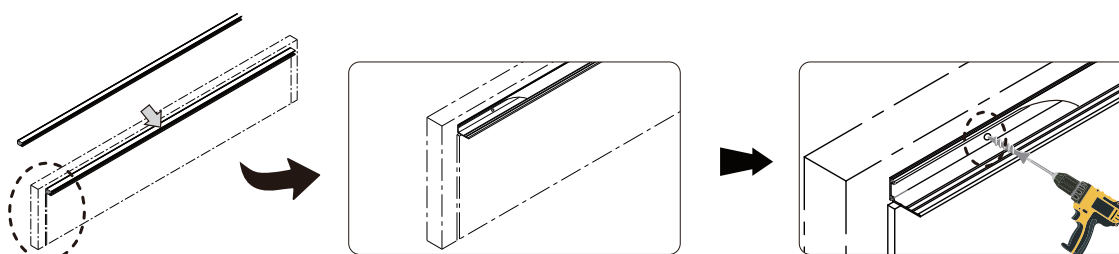


1 m Aluminum Channel

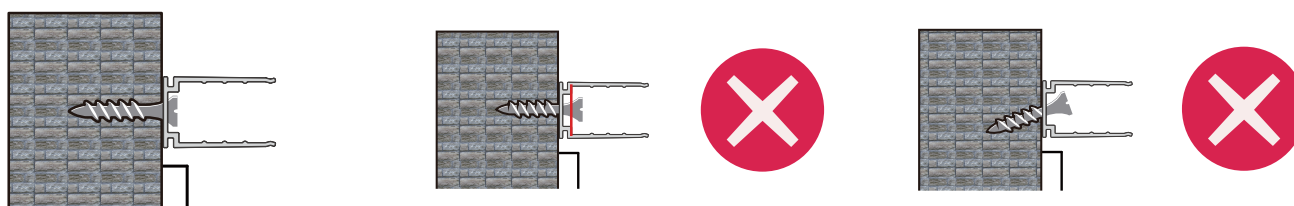


Supplier mounting reference: 19mm outside width, 17.1mm clear width, 17.5mm height and 0.95mm wall. Confirm the exact channel and connector fit before fixing.

## 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](#)