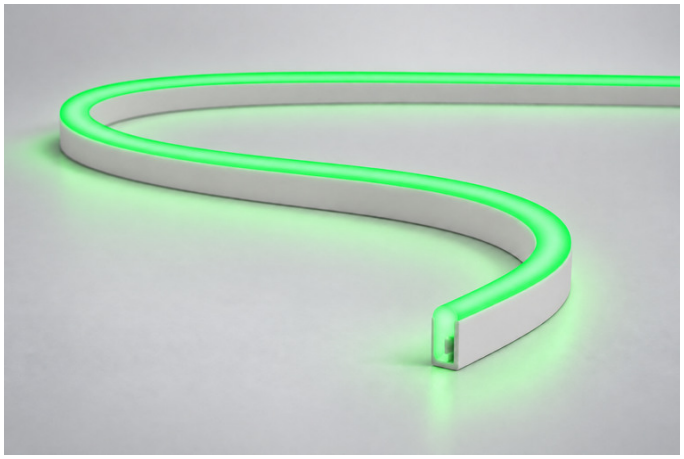
6x12mm Horizontal Bend Neon Flex

Green | 12V DC | 25mm (2.5cm) cut | 5m maximum run

12V DC	6x12mm	25mm	5m	Horizontal
Voltage	Body size	Cut interval	Maximum run	Bending

SPECIFICATIONS

Light colour	Green
Supply voltage	12V DC
Order lengths	1-5m
Body dimensions	6x12mm
Cut interval	25mm (2.5cm)
Maximum run	5m
Bending	Horizontal / Side Bend
Light surface	Domed top
Material	Silicone
Body IP rating	IP65
Power per metre	Approx. 6.5 W/m
Lumens per metre	327 lm/m
LED type	SMD 2835
LEDs per metre	120
Warranty	2 Years*
Average lifetime	50,000 hours
Operating temperature	-25°C to +45°C



Silicone construction illustration

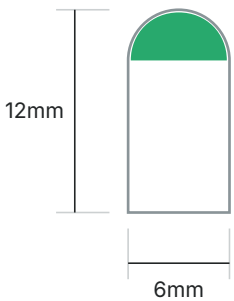
Domed light surface

Green coating covers the rounded top diffuser; sidewalls are opaque white. Light emits from the domed surface. Form smooth horizontal curves without twisting.

* 2 Years. Refer to the product listing for warranty conditions.

Made to measure and custom cut to your specific requirements, within the permitted cut marks and maximum run.

DIMENSIONS



6mm wide. 12mm overall height.

The crown is rounded and the base is flat. Dimensions describe the neon body; allow additional space for the actual cap and mounting system.

Illustrations are schematic and not to scale. Certification details must be confirmed for the installation.

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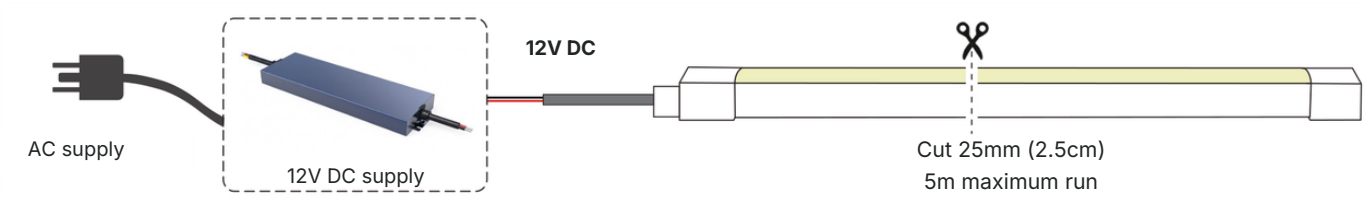
PERFORMANCE & INSTALLATION OVERVIEW

Power per metre	Approximately 6.5 W/m
Lumens per metre	327 lm/m
Beam angle	180 degrees
CRI (white light)	Not applicable to this fixed colour

Optical values, where shown, are the existing product-specific catalogue ratings, not new laboratory measurements.

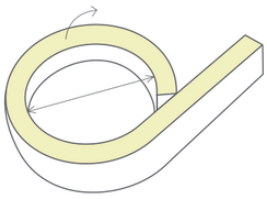
12V DC CONNECTION



Supply illustration is an example, not an included model or an IP rating. Use a compatible 12V DC constant-voltage supply and two-wire + / - connection.

Isolate power before cutting or connecting. Never connect this 12V light directly to mains. Fully unroll before energising and keep each continuous run within 5m.

HORIZONTAL BENDING



Horizontal / Side Bend

Do not twist

Do not bend vertically

The listed maximum-bending value is 2cm; its radius/diameter basis is unspecified. Confirm the actual minimum radius before forming tight curves. IP67 bend limits are not transferred.

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CONNECTIONS & PREPARATION

Use a matching domed feed cap with front-exit wires and a closed tail cap. Confirm cap fit, polarity and the sealing process against the actual 6x12mm IP65 kit.

Front feed fitting - reference example

Closed tail fitting - reference example

The IP67 fitting photographs show accessory types, not a compatibility or protection claim for the IP65 body. Keep the power lead exiting the front face of the actual rounded cap.

MEASURE, THEN CUT AT THE MARK

Measure before cutting

Cut only at the actual marked position

This listing uses 25mm (2.5cm) cut marks. Isolate power, cut squarely and reseal the end using the matching kit. Photographs illustrate the action only.

CABLE LENGTH CHOICES

0.2m (20cm)	Included
1m, 2m, 4m or 5m	Optional; select when ordering

The IP65 body is not submersible. Every cut end and cable entry needs a correctly fitted seal.

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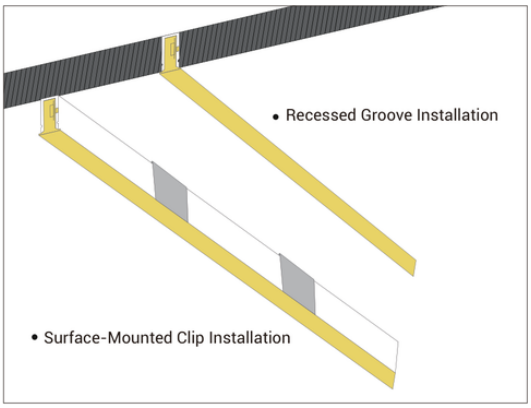
MOUNTING & ESSENTIAL HANDLING

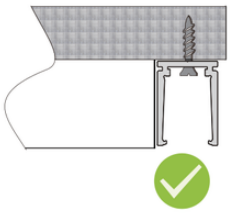
Channel example

Clip example

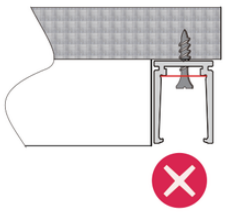
Select supports that fit the domed 6x12mm IP65 body. Confirm cap clearance and substrate fixings; IP67 accessory sizes are not assumed compatible.

INSTALLATION METHODS & FIXING POSITIONS

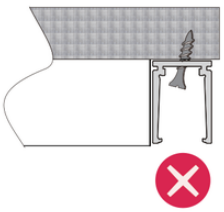




Flush / recessed

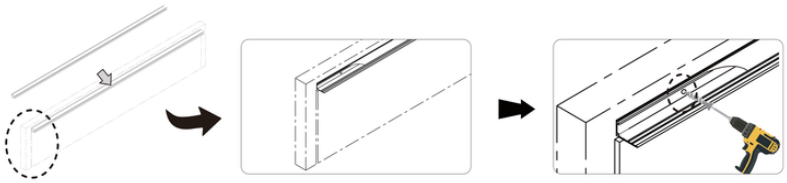


Proud head: wrong



Angled screw: wrong

Fix the empty support first. Keep screw heads straight and flush or recessed. Deburr edges and remove swarf before inserting the neon.



Insert progressively by hand from one end. Keep the domed face upright; do not trap a hump, pull the cable or force a cap into the channel.

Cutting, connection, sealing, curing and troubleshooting: Install12-0612-C25.pdf