AGIVA BLACK

USER MANUAL

The luminaire shall be installed by a qualified electrician and wired in accordance with the latess IEE electrical regulations or the national requirements.

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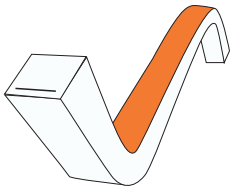
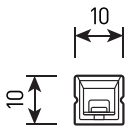
Technical Parameters

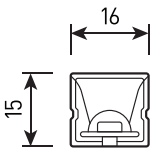
Product name	AGIVA BLACK
Product code	911
Input Voltage	DC 24V
Power	10 W/m
Beam Angle	120°, 360°
Color temperature	SINGLE COLOR
Working Environment	−40°C to +50°C
Installation Temperature range	0°C ~ +50°C
Sectional dimension	10x10 (S), 16x15 (M, 3D), 17x16 (ANTIGLARE), 12x20 (L), Ø25 (TUBE)
Net weight	0.2−0.5 kg/m
Control Mode	On/Off

AGIVA BLACK with top side bending

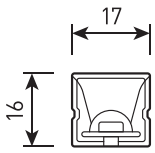




AGIVA BLACK S

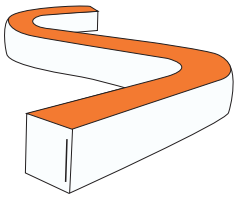


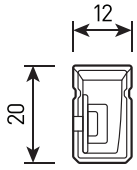
AGIVA BLACK M



AGIVA BLACK M ANTIGLARE

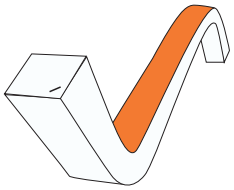
AGIVA BLACK with side bending

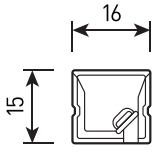




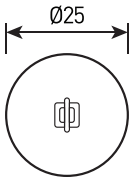
AGIVA BLACK L

AGIVA BLACK with top and side bending





AGIVA BLACK 3D



AGIVA BLACK TUBE

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Installation Instructions

Important Instructions for Light Installation and Usage

Packaging and Storage
- Seal the unused light in its packaging bag to avoid prolonged exposure.

Power Supply Requirements
- Use a DC24V isolated constant voltage power supply with a ripple voltage less than 5%. Using other types of power supplies may damage the light or pose safety risks.
- Reserve a 20% allowance for the power supply capacity to ensure stability.
- Professionals are recommended for connecting the power supply. Do not connect the power supply to live electricity to avoid electric shock.

Voltage and Polarity Checks
- Confirm that the power supply voltage matches the light's voltage.
- Pay attention to the positive and negative poles of the power cord. Incorrect connections can cause product damage.

Multiple Power Supplies
- Ensure the positive poles of multiple power supplies are not connected in parallel. Failure to do so may result in system instability or long-term damage.

Length and Load Guidelines
- Avoid exceeding the specified application length, as it may lead to overload, heating, or uneven brightness of the light.

Handling and Installation
- Installation temperature range: 0°C ~ +50°C
- Do not scratch, twist, or bend the light irregularly during installation, as this may cause irreparable damage.
- Avoid over-bending the light to protect its longevity and reliability.

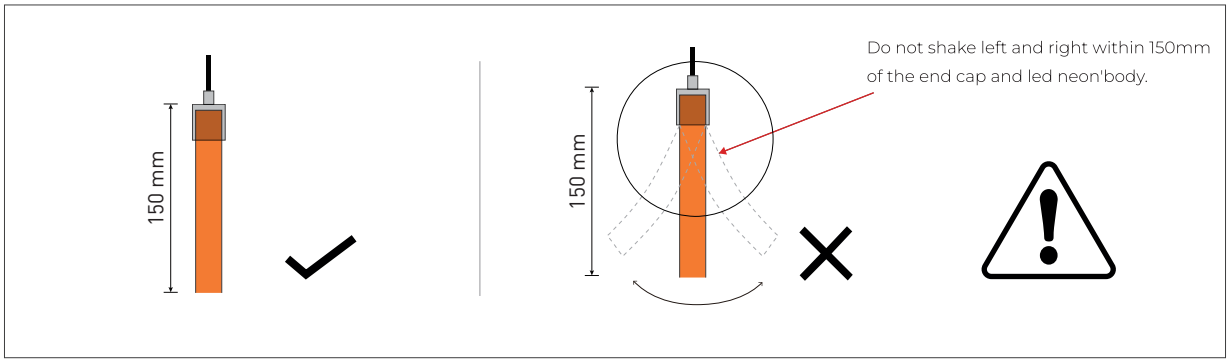
Eye Protection
- To protect your eyes, avoid staring at the light's glowing surface for extended periods.

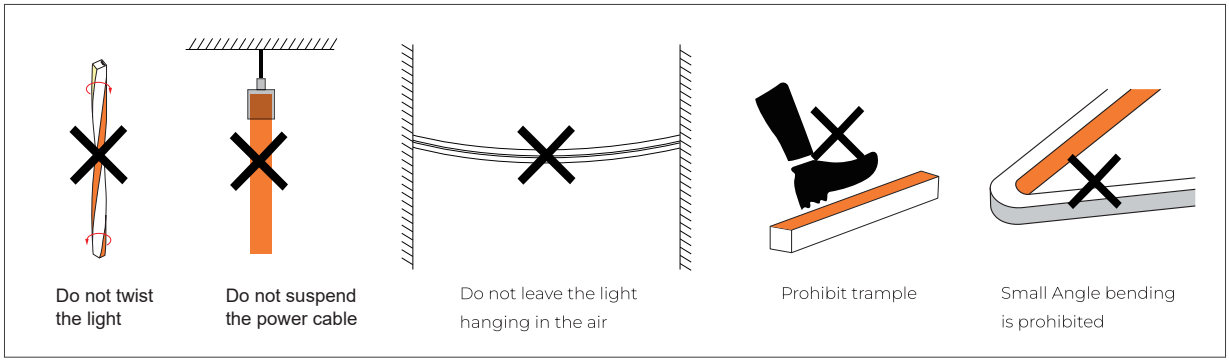
Professional Handling
- Non-professionals are prohibited from installing, disassembling, or maintaining the product.

Adhesives
- Do not use acidic or alkaline adhesives (e.g., glass glue) to fix the light.

Color Temperature
- Due to structural differences, even with the same color temperature values, lights of different sizes may appear slightly different in color. Confirm before use.
- Tests showed that methanol and benzenes will have yellowing effects on silicone.

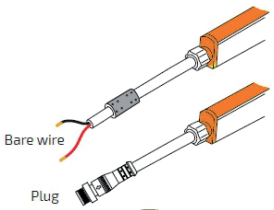
Installation Instructions



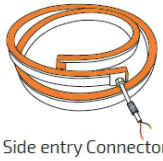


Electrial Connections

AGIVA BLACK is manufactured to order, meaning that the appropriate power feeds are moulded. There are two options available for all versions, these are bare end cables or plugs. Bare end cables come with a standard length which can vary pending the manufacturing process, therefore it is recommended to ensure the feeder cable is long enough to reach the cable entry point of flex, where connections can be made.- Plugs are designed for "plug-and-play" type installations, whereas the installer would ensure female sockets are available at each flex start location, with the male type connector then plugging into this female type socket. Female sockets are available as separate items. Note that custom feed cable lengths are available upon special request.



Direct entry Connector



Side entry Connector

Bottom entry Connector

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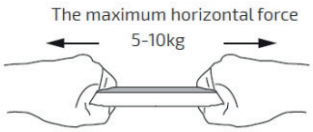
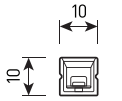
Installation Instructions

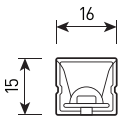
Mounting

AGIVA BLACK is a highly durable product but must be installed in accordance to the pictures shown below, which indicate the minimum bending parameters as well as the correctly bending direction for each specific variant of models.
Product must be installed by at least 2 people, who can support the product in various locations as shown. During installation, care should be taken to ensure the bending radius of is not exceeded.

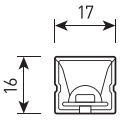




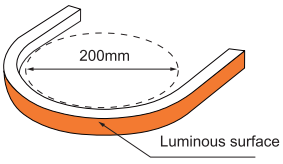
AGIVA BLACK S



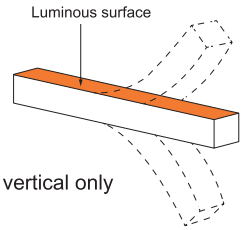
AGIVA BLACK M



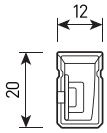
AGIVA BLACK ANTIGLARE



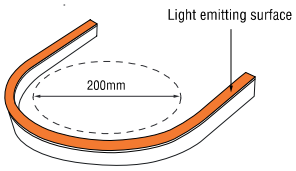
Min bending diameter



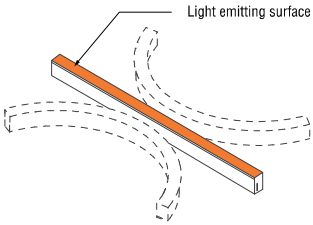
Bend vertical only



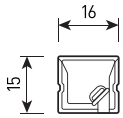
AGIVA BLACK L



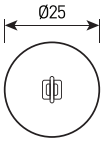
Min bending diameter



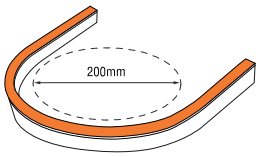
Bend horizontal only



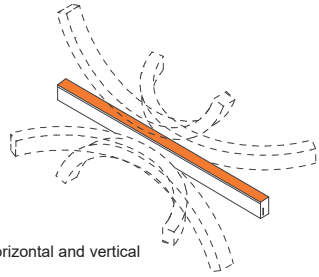
AGIVA BLACK 3D



AGIVA BLACK TUBE



Min bending diameter



Bend horizontal and vertical

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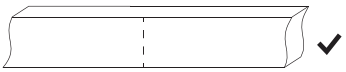
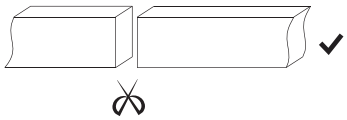
Installation Instructions

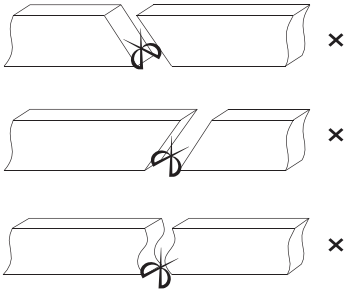
Cutting method



The black marker
is the cutting position

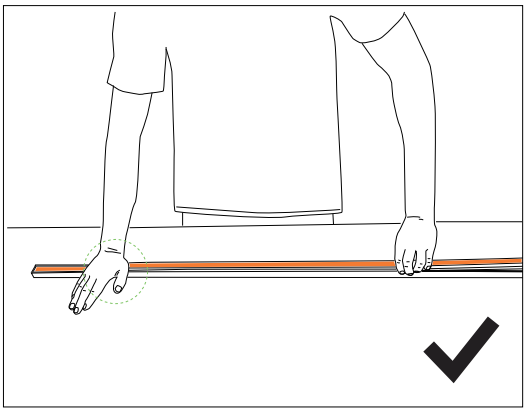


Use professional scissors
to cut vertically
at the cutting mark

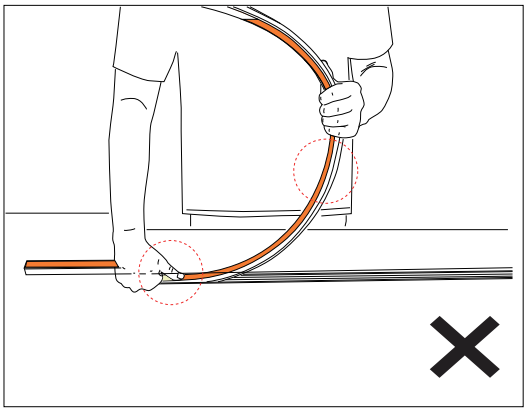


Please don't be feel free
to cut and cut into an
oblique angle
or cambered section.

Put it in the profile



Please press the LED strip with your palm to slowly insert the LED strip into the groove, and gently straighten the LED strip above the groove with your right hand. Try to keep the LED strip in a flat state during the installation process.



Do not press the LED strip with a single finger, it is easy to damage the internal parts of the LED strip.
The bent arc of the LED strip should not be too large during installation.

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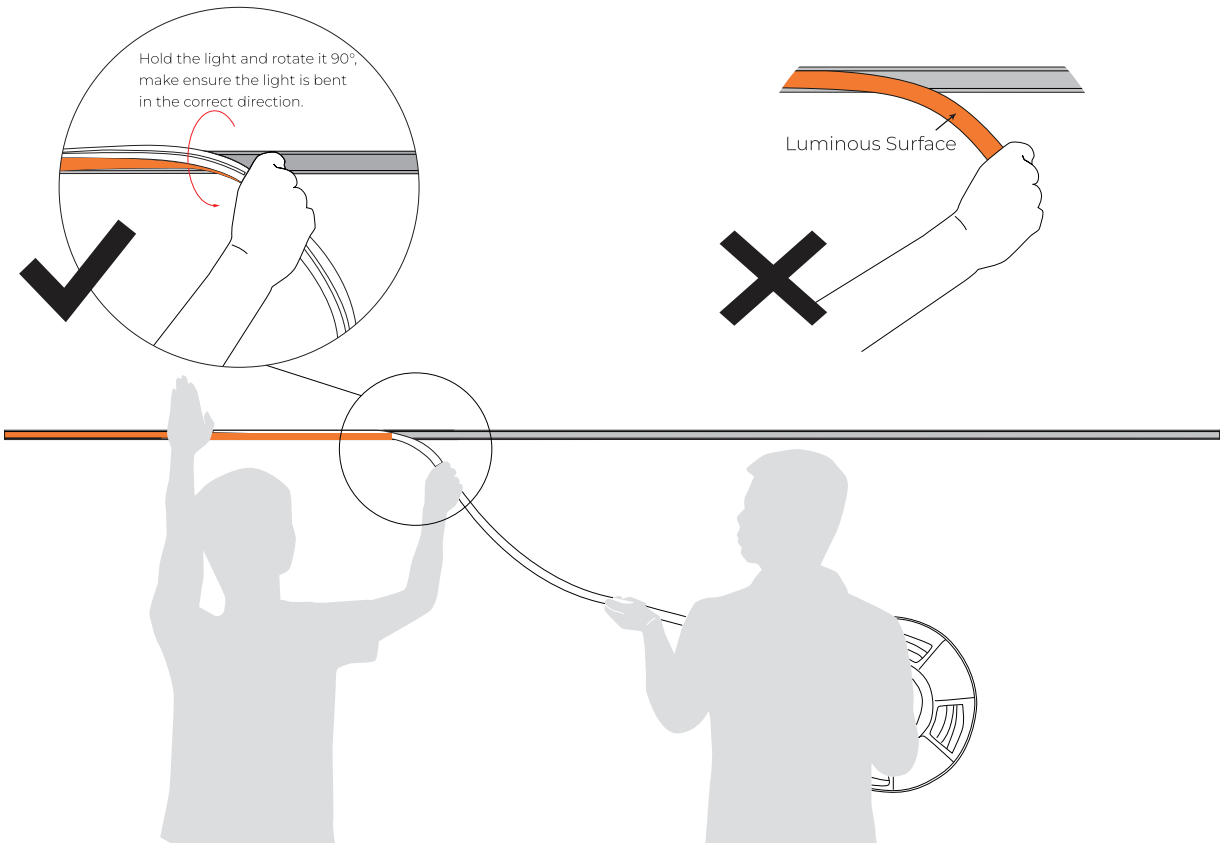
Installation Instructions

Installation Precautions — Side Mounted

If the length of the light is more than 2 meters, two persons must work together to install it.



Installer

Press the light with the palm of the left hand to slowly load it into the slot. Straighten the light with right hand, hold it and rotate it 90° to droop it in the direction of your hand.
Do not bend the luminous surface to the side.

Assistant

Cooperate with the installer to lift the reel of the light, and then slowly deliver the light to installer. Do not pull or twist the light during the installation.

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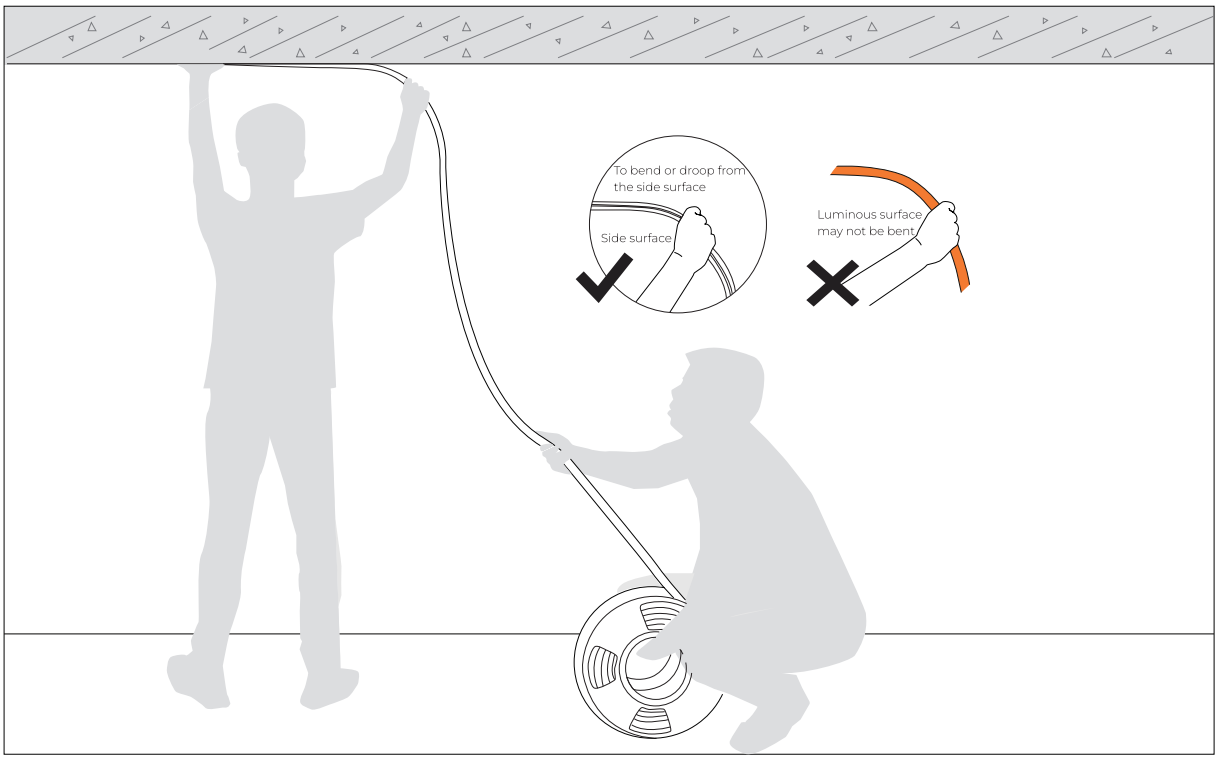
Installation Instructions

Installation Precautions — Top Mounted

If the length of the light is more than 2 meters, two persons must work together to install it.



Installer

Press the light with the palm of the left hand to slowly load it into the slot. Straighten the light with your right hand so that it droop naturally. Luminous surface may not be bent.

Assistant

Cooperate with the installer to lift the reel of the light, and then slowly deliver the light to installer. Do not pull or twist the light during the installation.

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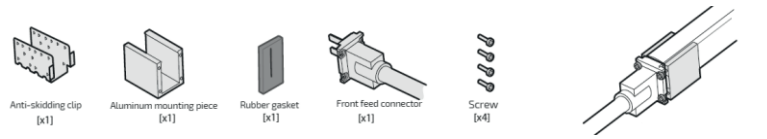
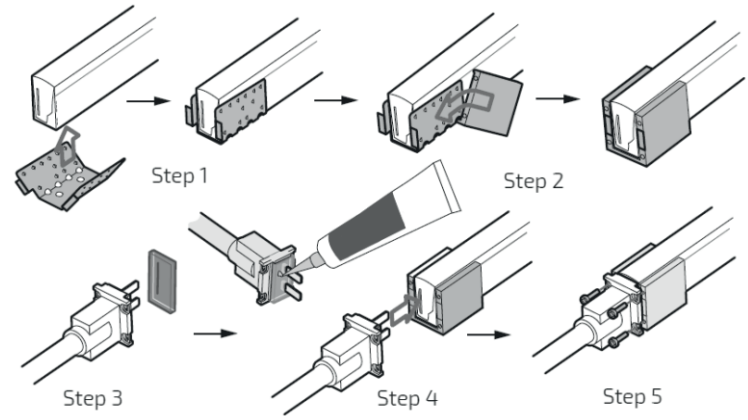
DIY kits

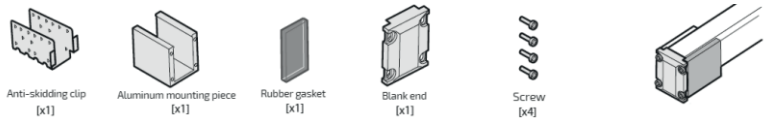
DIY Screw Front connector kit

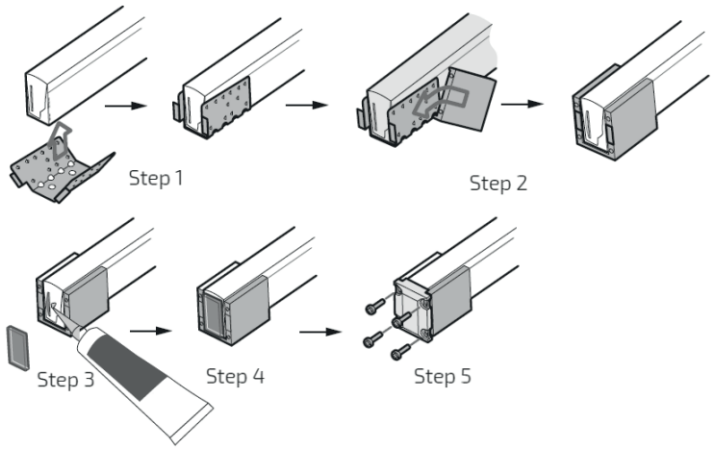




Step 1
Place the anti-skidding clip on the very end of the tubing with the 2 tiny tabs that are pointing inwards still touching the end of the material and crimp in place.
Step 2
Line up the alumimum mounting piece so the screw hole face the plug and slide on over the anti-skidding clip.
Step 3
Insert the rubber gasket along with slit into the pin of the front feed connector, put 100% clear silicone on the surface of the rubber gasket.
Step 4
Carefully insert the pins of the front feed connector into the gap created behind the FPCB.
Step 5
Srew the front feed connector to the aluminum mounting piece

DIY Screw End Cap kit





Step 1
Place the anti-skidding clip on the very end of the tubing with the 2 tiny tabs that are pointing inwards still touching the end of the material and crimp in place.
Step 2
Line up the alumimum mounting piece so the screw hole face the plug and slide on over the anti-skidding clip.
Step 3
Apply 100% clear silicone onto the end face of led neon flex
Step 4
Place the rubber gasket squarely onto the end face of led neon flex.
Step 5
Srew the blank end to the aluminum mounting piece.

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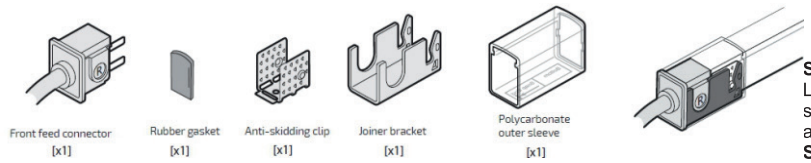
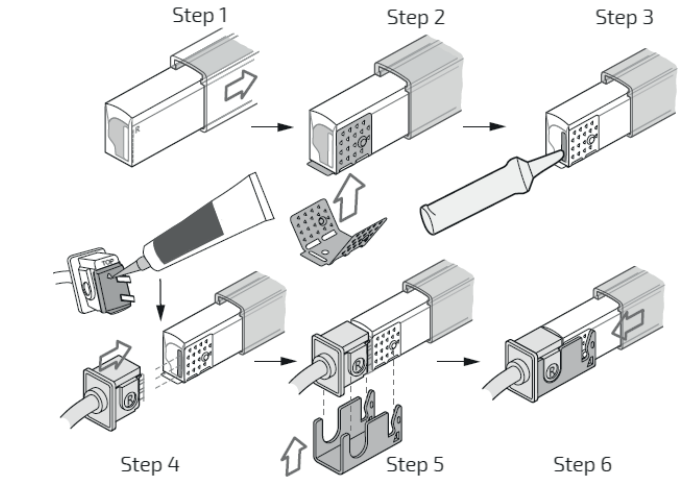
DIY kits

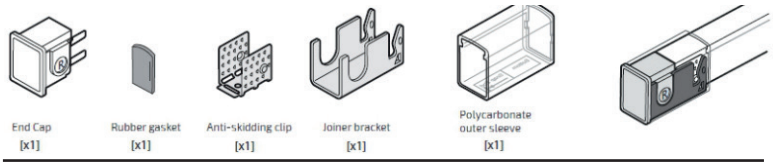
DIY Snap Connector Kit

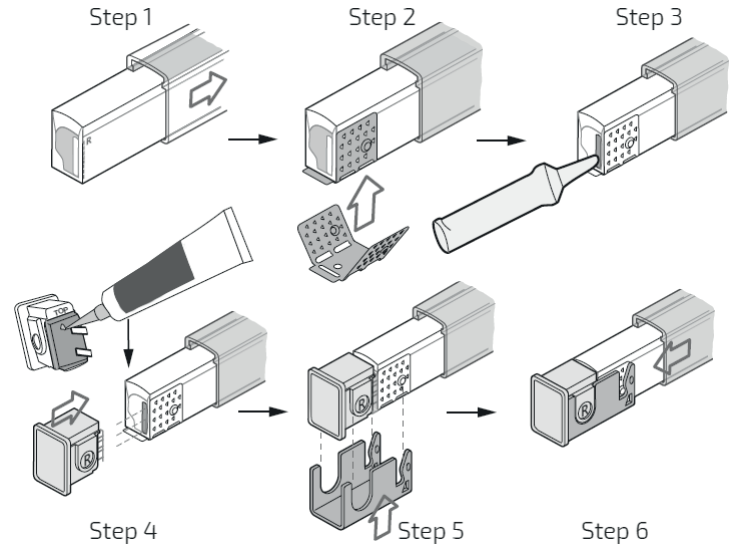




Step 1
Let neon flex goes through polycarbonate outer sleeve, printed instruction aligns with the 'Snap End' arrow points in the direction of the front feed connector.
Step 2
Place the anti-skidding clip on the very end of the neon with the 2 tiny tabs that are pointing inwards still touching the end of material and crimp in place.
Step 3
Place the tip of the assistant tool against the outer side of the internal circuit board within the neon flex. Carefully push the tool into the neon flex (max. depth of 12.5mm) and creates a small cavity in the flexible material on the outer side of the circuit board.
Step 4
Insert rubber gasket into the pins and apply 100% clear silicone on the surface of it. Align the front feed connector with the cut end part and carefully push its pins into the gaps.
Step 5
Gently yet firmly push the joiner bracket onto the front feed connector assembly. The two parts close together and eventually lock them into place.
Step 6
Slide the polycarbonate outer sleeve and butts up to the flange of the front connector.

DIY Endcap Kit





Step 1
Let neon flex goes through polycarbonate outer sleeve, printed instruction aligns with the 'Snap End' arrow points in the direction of end cap.
Step 2
Place the anti-skidding clip on the very end of the neon with the 2 tiny tabs that are pointing inwards still touching the end of material and crimp in place.
Step 3
Place the tip of the assistant tool against the outer side of the internal circuit board within the neon flex. Carefully push the tool into the neon flex (max. depth of 12.5mm) so that it creates a small cavity in the flexible material on the outer side of the circuit board.
Step 4
Insert rubber gasket into the pins and apply 100% clear silicone on the surface of it. Align end cap with the cut end part and carefully push its pins into the gaps.
Step 5
Gently yet firmly push the joiner bracket onto the end cap assembly. The two parts close together and eventually lock them into place.
-Step 6
Slide the polycarbonate outer sleeve and butts up to the flange of end cap

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