

BAND AGIVA BASIC

Manual



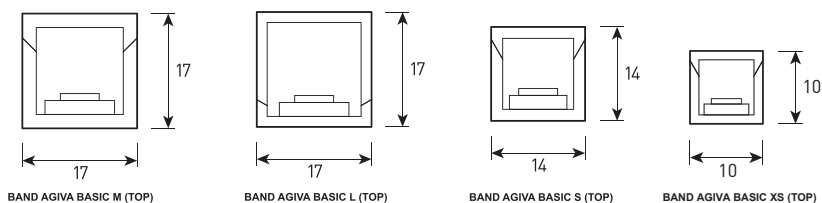
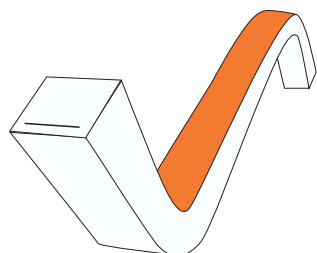
Installation Instructions

A. Technical Parameters

Product name	BAND AGIVA BASIC
Product code	911 series
Input Voltage	DC24V
Power	10-18W
Beam Angle	120°, 260°
Color temperature	SINGLE COLOR, RGB, RGBW
Working Environment	-40°C to +45°C
Dimensions	1000x14x14mm, 1000x17x17mm, 1000x10x10mm, 1000x8x17mm, 1000x12x22mm, 1000x12x30mm
Net weight	0.3-0.5Kg
Control Mode	DMX-512, Switch ON/OFF

BAND AGIVA BASIC is bendable and highly durable linear LED solutions – suitable for both indoor and outdoor applications. To achieve a uniform and diffused light output, The protective casing prevents UV damage, is waterproof, as well as flame and solvent-resistant. BAND AGIVA BASIC can be divided with different bending direction between horizontal.

1. BAND AGIVA TOP (Topview emitting series)



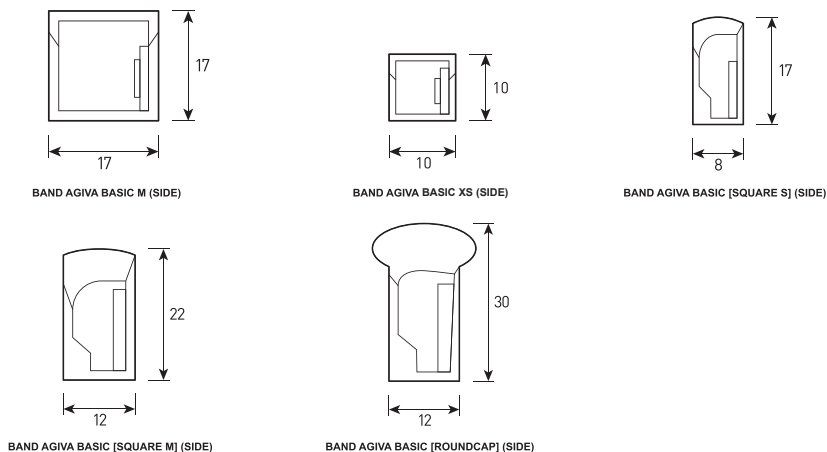
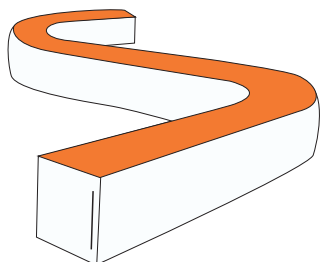
BAND AGIVA BASIC M (TOP)

BAND AGIVA BASIC L (TOP)

BAND AGIVA BASIC S (TOP)

BAND AGIVA BASIC XS (TOP)

2. BAND AGIVA SIDE (Sideview emitting series)



BAND AGIVA BASIC M (SIDE)

BAND AGIVA BASIC XS (SIDE)

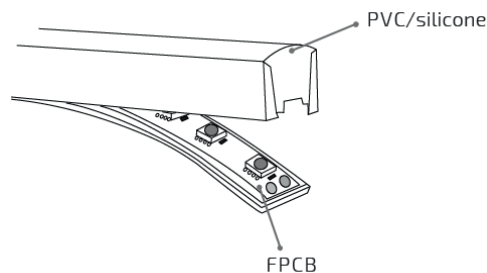
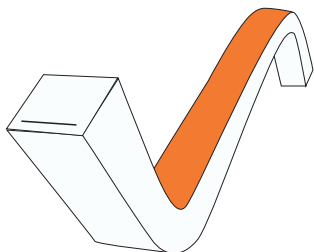
BAND AGIVA BASIC [SQUARE S] (SIDE)

BAND AGIVA BASIC [SQUARE M] (SIDE)

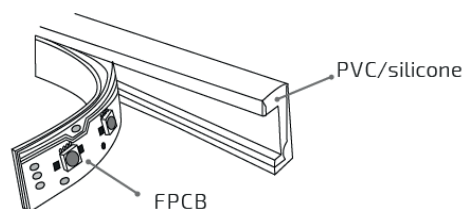
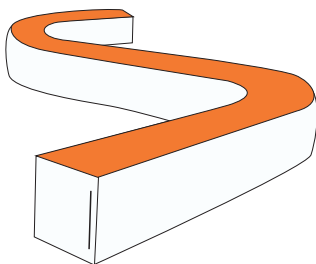
BAND AGIVA BASIC [ROUND CAP] (SIDE)

Installation Instructions

3. BAND AGIVA TOP (Topview emitting series)



4. BAND AGIVA SIDE (Sideview emitting series)



5. Overview:

- Flat rectangular emission surface with 120/270-degree beam angle.
- The mini bend diameter of 8-15cm, suitable for led flexible light sign application.
- Available in static color including white in CCT ranging from 2200K-6500K.
- Color options include green, blue, red, pink, amber, orange.
- Dimmable with DALI, 0-10V, DMX/RDM, Triac control options.

6. Installation Guide

This product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual

- This product must be installed by a qualified and competent professional.
- When working on the fixture, heat resistant gloves should be worn to provide adequate user protection.
- Do not work on the product with wet hands.
- Always disconnect the power supply before attempting to maintain or service the equipment.
- Always operate the equipment as described in this user manual.
- Do not stand close to the equipment and stare directly into the LED light source.

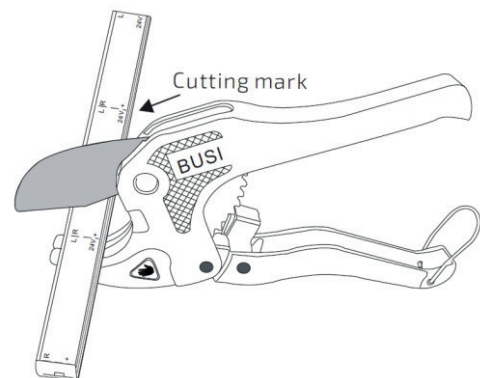
Installation Instructions

- Make sure that all parts of the equipment are kept clean and free of dust which should be carried out as part of a maintenance cycle that's appropriate for the installation location of the product.
- When transferring the product, it is advisable to use the original packaging in which the product left the factory.
- Shields, lenses, ultraviolet screens and pressure release valves should be changed if they have become damaged to such an extent that their effectiveness is impaired.
- The lamp (LED) should be changed if it has become damaged or thermally deformed.
- The power supply (PSU), DMX/RDM driver and LED drivers should be changed if they fail to operate

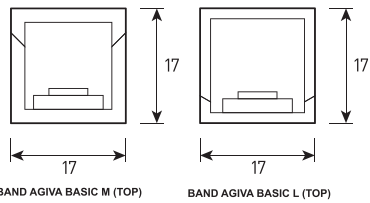
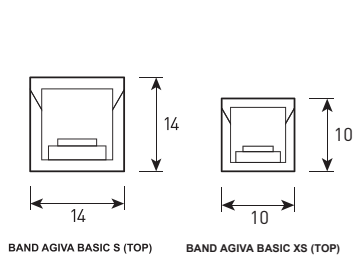
Installation

- A minimum distance of 0.5m must be maintained between the equipment and any combustible surface. The mounting surface must not be combustible.
- Always ensure the supporting structure is a flat and solid surface and can support the weight of the product and any additional wind or shear force. The supporting structure must be capable for the installation of luminaires, and advice must be taken from an appropriately qualified and competent person to verify proposed mounting positions and surfaces.
- Always make sure that the equipment is installed securely and ensure all safety anchors are installed.
- The product must be installed within well-ventilated areas.
- The Earth wire **MUST ALWAYS** be connected.
- Local electrical and building regulations must be followed. If in doubt, please contact support distributor
- Avoid shaking or strong impacts to any part of the equipment.
- Always make sure that the power and data connections are connected correctly and securely. If there is any malfunction of the equipment, contact your local distributor immediately.
- This fixture should not be buried.

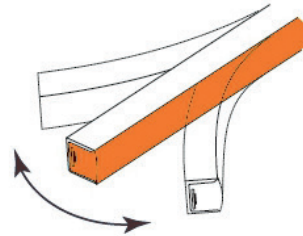
- Do not operate/run the product in temperatures exceeding 55C.
- Do not leave any part of the product unsecured.
- Constant movement over time from weather can cause damage.
- Do not reverse polarity when connecting from both ends. This will damage the internal PCB. Always test connections with a multi-meter before applying power.
- The product can be cut only where marked. Look for the "Dotted Line" or "Cutting Mark". A cut section must have the appropriate IP rated cap flex accessory to maintain IP ratings.
- Cutting outside of the specified mark will damage the light.
- Do not cut while the LED flex neon is connected to power.
- Do not install in human inhabited pools.
- During installation, violent pulling and bending are prohibited.
- Must always be used with an electrical isolation transformer providing SELV (safety extra low voltage).
- Do not cut off the cable wire between the waterproof metal ferrule and connector.



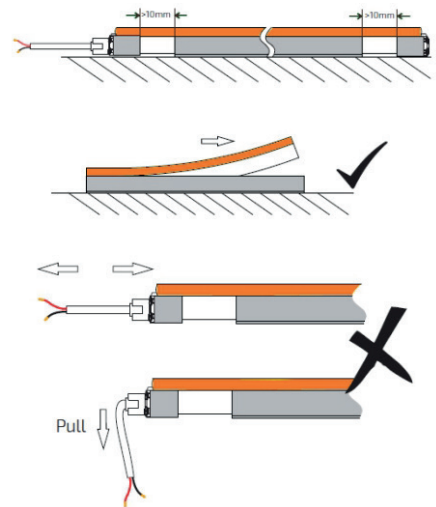
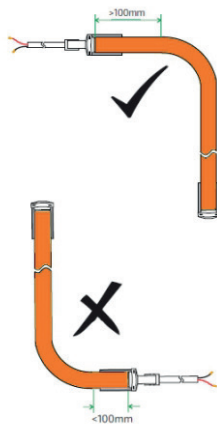
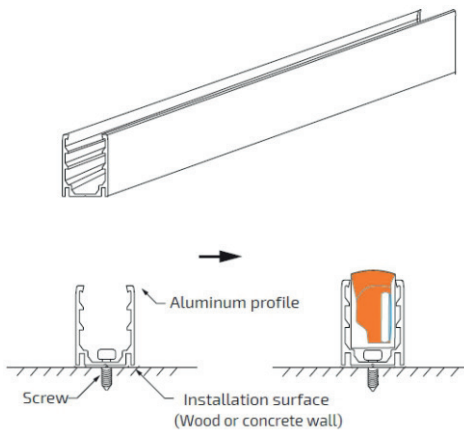
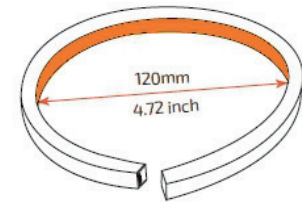
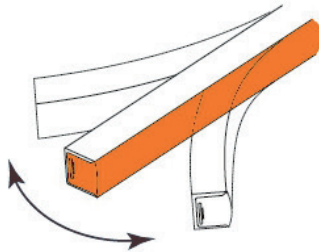
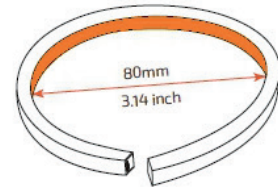
Installation Instructions



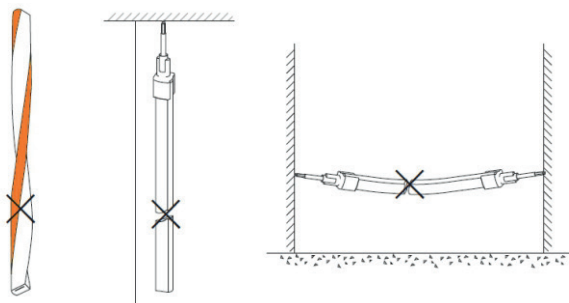
Bending direction



Min. bending diameter



General DO NOT:

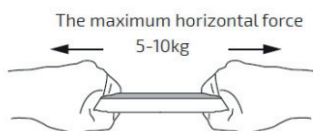


Installation Instructions

7. Mounting

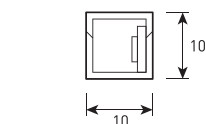
BAND AGIVA BASIC is a highly durable product but must be installed in accordance to the pictures shown below, which indicate the minimum bending parameters as well as the correctly bending direction for each specific variant of models.

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.

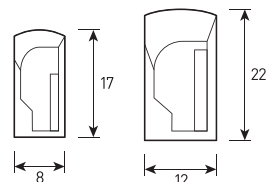
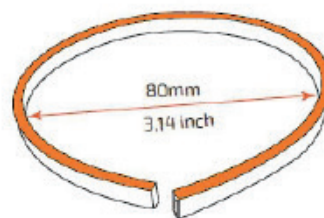
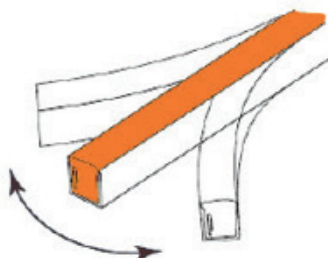


Bending direction

Min. bending diameter

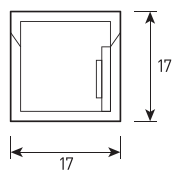
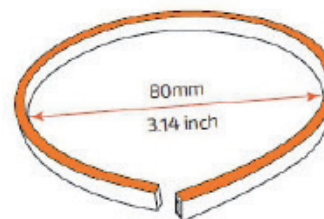
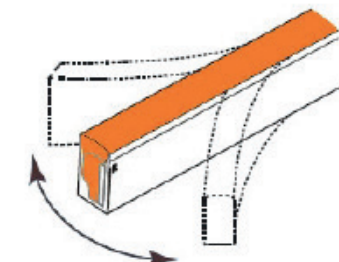


BAND AGIVA BASIC XS (SIDE)

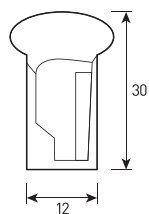
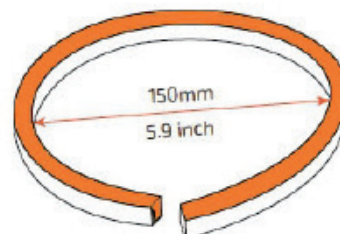
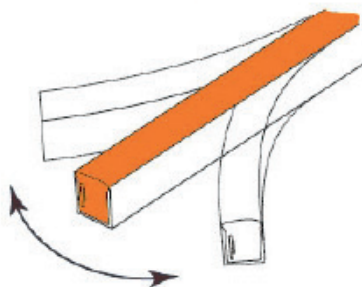


BAND AGIVA BASIC [SQUARE S] (SIDE)

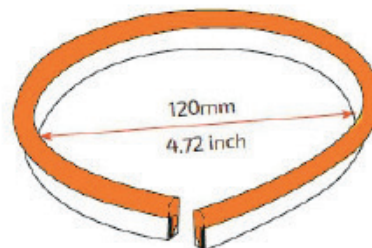
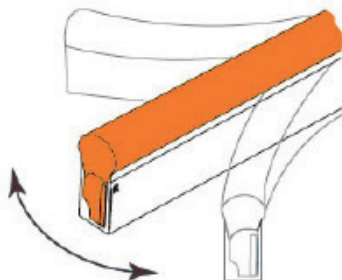
BAND AGIVA BASIC [SQUARE M] (SIDE)



BAND AGIVA BASIC M (SIDE)

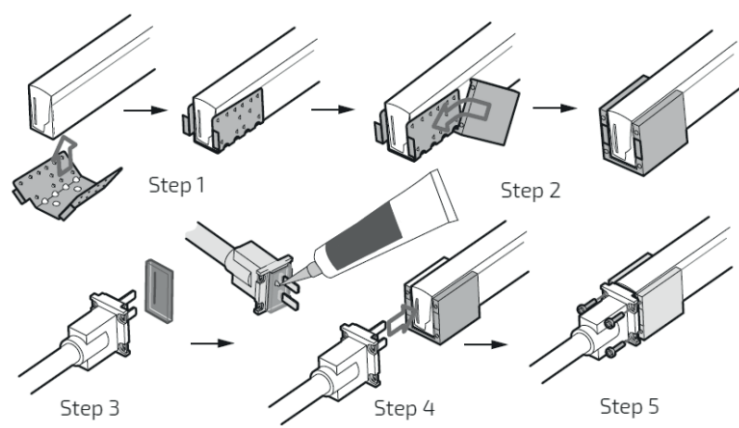
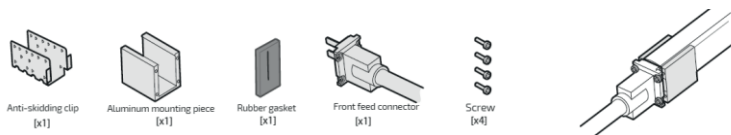


BAND AGIVA BASIC [ROUND CAP] (SIDE)



Installation Instructions

8. 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.

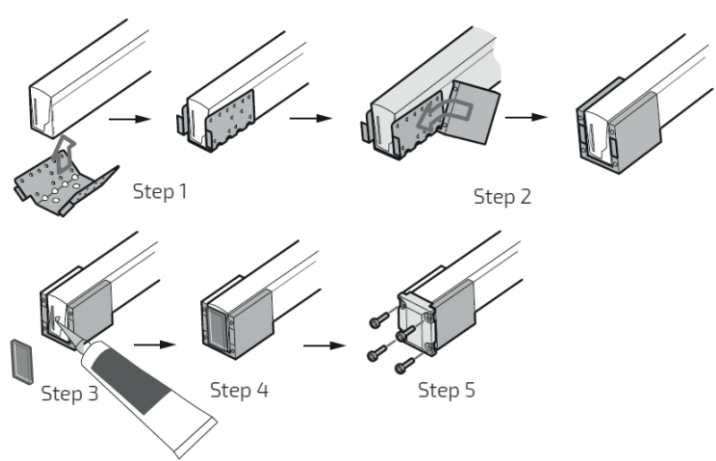
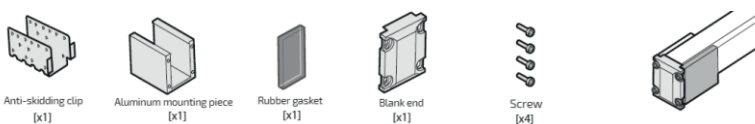
Step 2
Line up the aluminum mounting piece so the screw hole face the plug and slide on over the anti-skidding clip.

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
Screw the front feed connector to the aluminum mounting piece

9. 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 aluminum mounting piece so the screw hole face the plug and slide on over the anti-skidding clip.

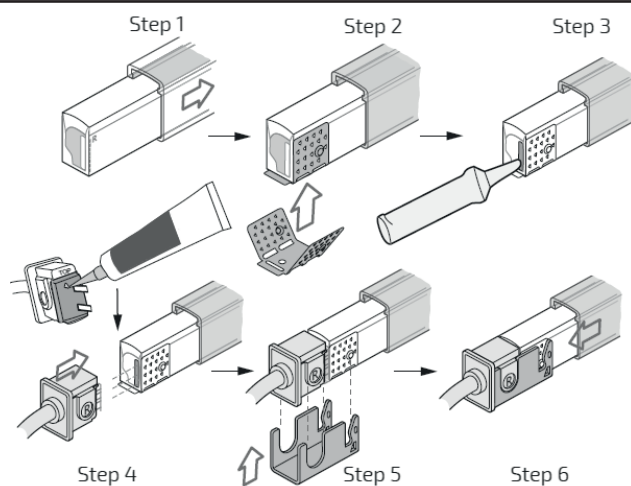
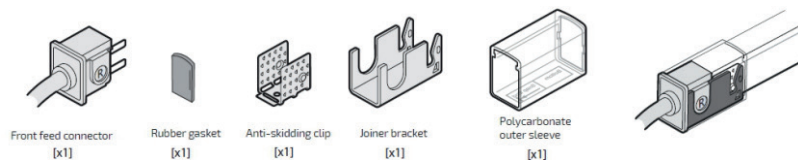
Step 3
Apply 100% clear silicone onto the end face of led neon flex

Step 4
Place the rubber gasket squarely onto the end face of led neon flex.

Step 5
Screw the blank end to the aluminum mounting piece.

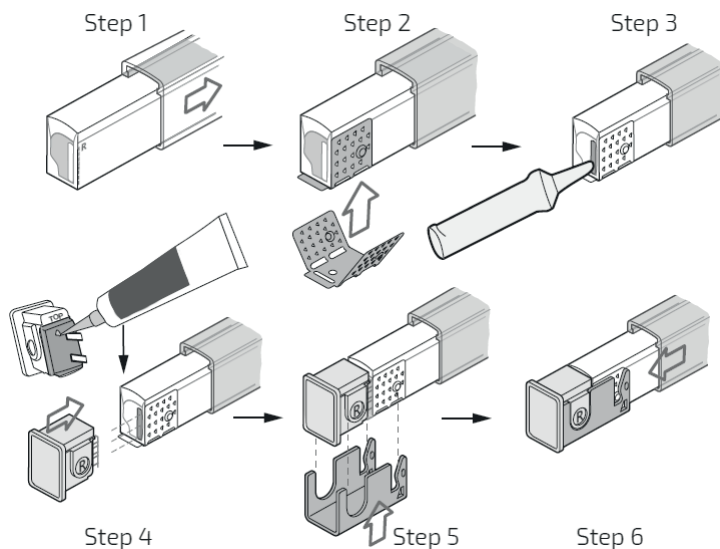
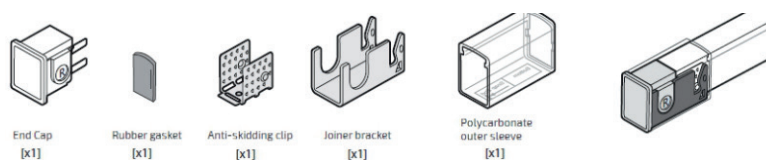
Installation Instructions

10. 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.

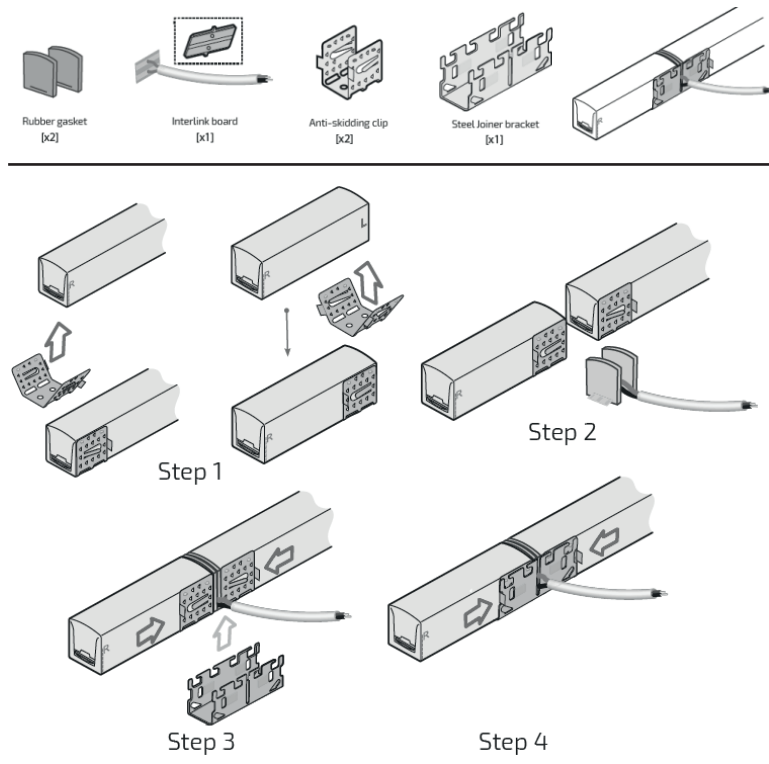
11. DIY Endcap Kit



- 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

Installation Instructions

12. DIY Joiner bracket Kit

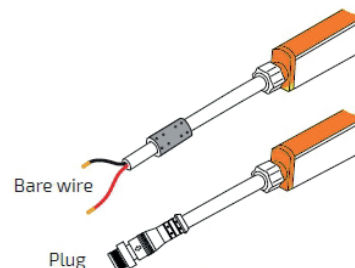


Step 1
Place anti-skidding clip onto both end of the neon flex, pay attention to its direction.

Step 2
Put rubber gasket on both side of interlink board, then insert interlink board into the gap created behind the FPCB.

Step 3
Align the anti-skidding clip with steel joiner bracket and press the neon flex downwards at the same time till bottom,

Step 4
Now push each neon flex in towards the center of joiner bracket, locking tabs on both grip clips click into place within their respective openings in the steel joiner bracket

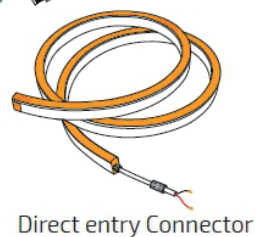


13. Electrical Connections

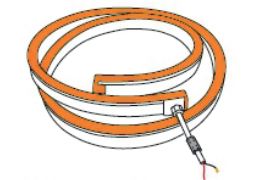
BAND AGIVA BASIC is manufactured to order, meaning that the appropriate power feeds are moulded. There are two options available for all versions, these are bare end cables or plugs.

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



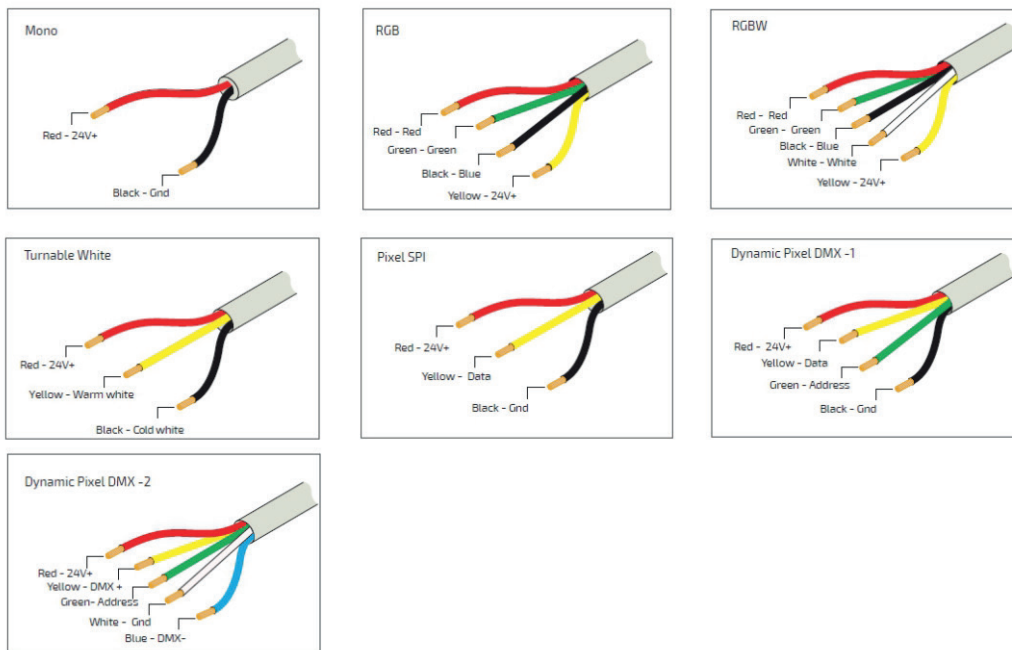
Side entry Connector



Bottom entry Connector

Installation Instructions

14. Signal and power connections



15. Loading chart & information

Power supply:

Rated power	35W	60W	75W	80W	100W	120W	150W	185W	240W	320W
5W	5m	9m	12m	12.5m	16m	18m	24m	29.5m	30m	/
7.2W	3m	6m	7.5m	8.5m	11m	13m	16.5m	20.5m	26.5m	30m
10W	3m	4.5m	6m	7m	8m	9.5m	12m	14.5m	19m	25.6m
12W	2m	4m	5m	6m	7.5m	8m	10m	12.3m	16m	21.3m
15W	1.5m	3m	4m	4.2m	5m	6m	8m	9.8m	12.5m	17m

Lead input:

