



Installation Instructions

Signwave Series

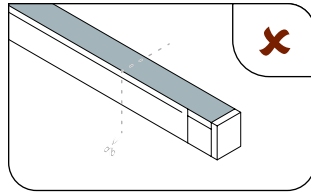
FLEXIBLE
NEON

Safety Precautions



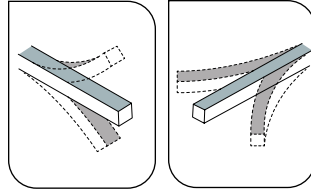
PRODUCT MODIFICATIONS

Product modifications are not recommended, please reach out to Kelvix for any necessary modifications.



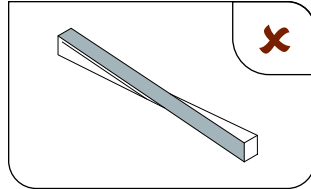
BENDING DIRECTION

Please note and follow the bending direction marked on the product, otherwise PCB damage and light failure may occur.



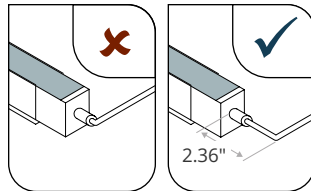
TWISTING

Do not twist or bend product excessively. Do not hit or pull the product with excessive force.



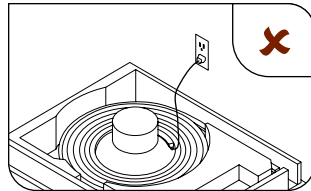
CABLE HANDLING

The first 2.36" (60mm) of the cable should maintain its natural state before any bending accrues.



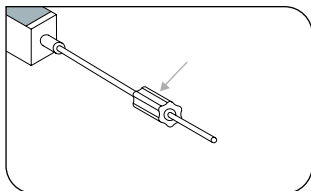
POWER TESTING

Do not power up while coiled for over 30mins. This may lead to overheating and damage.



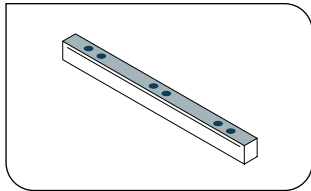
ANTI-WICKING FERRULE

Removing the anti-wicking ferrule increases the risk of water damage and voids the warranty. Submerging the anti-wicking ferrule in water voids the warranty.



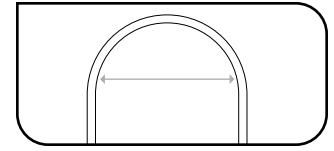
TROUBLESHOOTING

Intermittent dotting indicates power polarity is reversed.



BENDING LIMITS

Do not bend product smaller than bending diameter.



Series	Horizontal Bend	Vertical Bend
Signwave 3, Sauna	11.81" (300MM)	11.81" (300MM)
Signwave 4, 5, 7	4.72" (120mm)	None

Additional Precautions

For best performance and lifespan, do not load the power supply more than 80% of its labeled wattage rating.

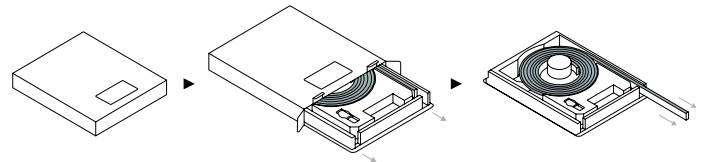
This electronic product is sensitive to mishandling and may incur damage. Any improper soldering or modifications could lead to the voiding of the warranty. Kelvix reserves the right to assess warranty cases based on various factors.

Avoid puncturing or penetrating the product with foreign objects, as this could lead to a short circuit.

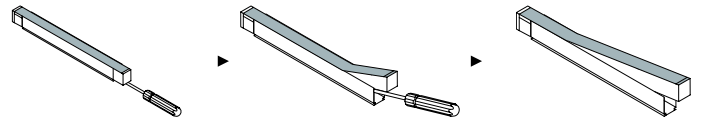
Ensure that the ambient temperature does not exceed 50°C/122°F during installation to guarantee the designated rated lifetime. Fixture temperature should fall between 63°F - 93°F (17°C - 34°C) during installation.

Unpacking

Incorrect unpacking may cause PCB fracture or damage to electronic components and lead to light failure. Do not unfurl Signwave from the middle of packaging.



Uninstalling



Prepare screwdriver at the base between the channel or clip and the product.

Move the handle of the screwdriver upward until one end of the product is out of the channel or clip.

Hold both sides of the product by hand and slowly pull the product out of the channel or clip until completely released (max angle 15°).



At minimum, two people should be used to install product into channel. One person should be installing product into channel, while another person is carrying product to ensure Signwave does not exceed maximum bending angle.

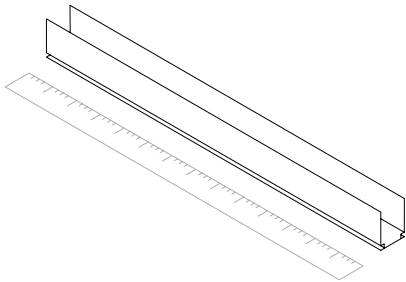


Channel Installation Guide

Signwave Series

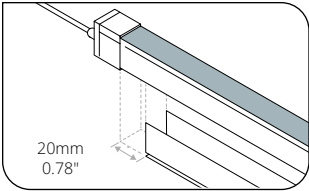
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1 Measure and cut channel to length as needed.



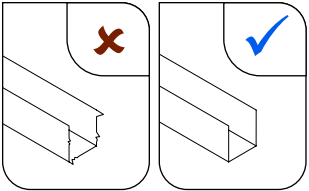
PROFILE LENGTH

Reserve 0.39"–0.78" (10–20mm) distance between the connector and channel.

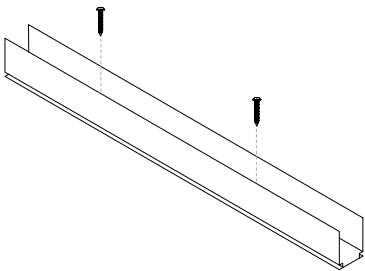


PROFILE CUTTING

Make sure the cross section of the channel is smooth without any burrs.

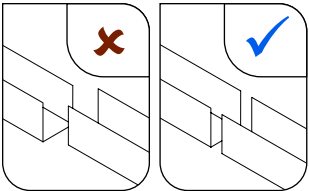


2 Screw channel through pre-drilled holes directly into mounting surface.



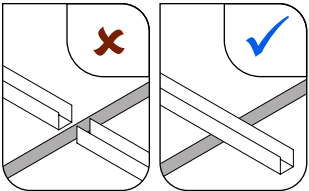
PROFILE ALIGNMENT

When using multiple channels the channel junctions should be aligned and the gap between should be at least 0.19" (5mm).



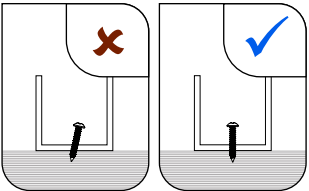
EXPANSION JOINTS

Do not connect two channels at an expansion joint. Cross the expansion joint near the middle of the channel. Channel should be screwed down on both sides of expansion joint/seam.



PROFILE SECURING

Ensure screws are driven vertically and flush to bottom edge to avoid damaging the outer jacket during installation.





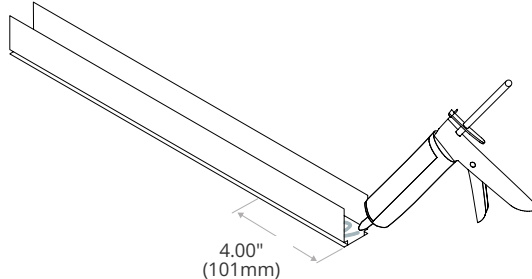
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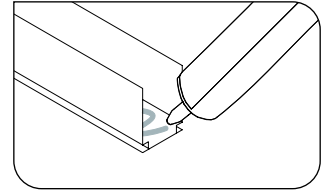
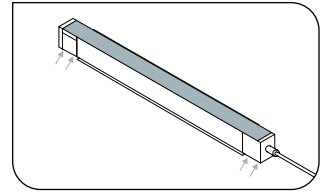
(Optional) For outdoor applications, apply silicone adhesive down the channels length.



ADHESIVE PLACEMENT

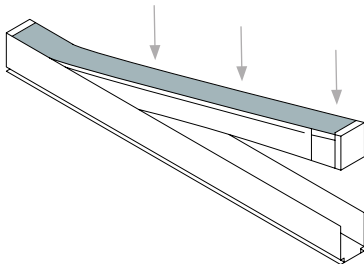
Do not apply the adhesive all the way up to the connector to allow for the fixture to expand and contract. If adhesive is used, apply to only 4" (101mm) of the ends of the channel. (Recommended glues are Dow Corning 791, Dow Corning 995, & Dow Corning SJ168.)

Adhesive should only be used to adhere Signwave to mounting channel. Please consult factory if adhesive will be used for any other portion of the installation process.



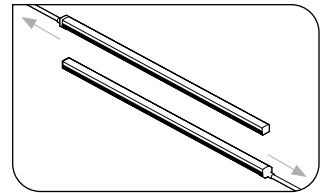
4

Starting at one end, place product in channel and press down along entire length with your palm.



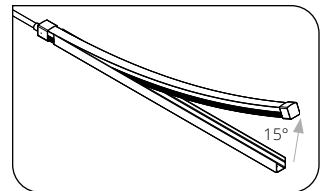
POWER FEED

Ensure that product is correctly oriented with power feed end toward power source.



BENDING

Do not exceed 15° over 6" angle when installing the product into the channel.



TWO-PEOPLE REQUIRED

At minimum, two people should be used to install product into channel. One person should be installing product into channel, while another person is carrying product to ensure Endurawave does not exceed maximum bending angle.

