



SILICONE FLEXIBLE

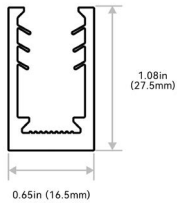
Installation Manual

Silicone Mounting Profile Flexible is a patented, all-in-one solution designed to unlock creative freedom in lighting design. Engineered for both vertical and horizontal bending in a single profile, it enables fluid, multidirectional layouts with ease. Fully encapsulated in UL-certified silicone, this profile is highly resistant to UV, weather, and corrosion making it ideal for challenging environments including underwater and extreme temperatures. With a sleek, square appearance available in standard black or white (or custom colors), it blends seamlessly into any setting. Innovative serrated silicone fins provide strong clamping force for secure, tool-free installation and easy removal.

NOTES: With this mounting profile, bend fixtures only along their designated axis — side-bending fixtures sideways, top-bending fixtures topways.

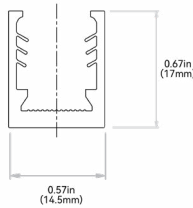
DIMENSIONS

FOR S160 / S270 - S-SERIES



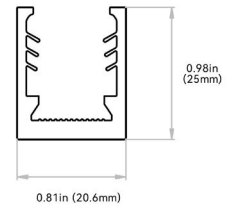
Tolerance: $\pm 0.01\text{in}$ (0.3mm)

FOR WAVE MINI



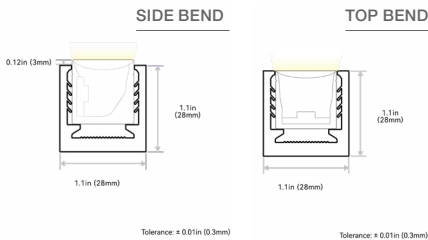
Tolerance: $\pm 0.01\text{in}$ (0.3mm)

FOR WAVE



Tolerance: $\pm 0.01\text{in}$ (0.3mm)

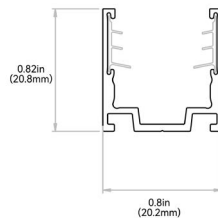
FOR WAVE XL



Tolerance: $\pm 0.01\text{in}$ (0.3mm)

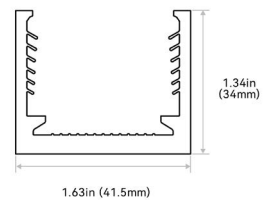
Tolerance: $\pm 0.01\text{in}$ (0.3mm)

FOR ORBIT



Tolerance: $\pm 0.01\text{in}$ (0.3mm)

FOR ORBIT GX



Tolerance: $\pm 0.01\text{in}$ (0.3mm)

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Minimum Bending Diameters

FIXTURE	MIN SIDE BENDING DIAMETER	MIN TOP BENDING DIAMETER
S160	4.72in (120mm)	N/A
S270	4.72in (120mm)	N/A
Wave Mini	3.94in (100mm)	3.94in (100mm)
Wave	11.81in (300mm)	11.81in (300mm)
Wave XL	11.81in (300mm)	11.81in (300mm)
Orbit	11.81in (300mm)	11.81in (300mm)
Orbit GX	31.5in (800mm)	15.75in (400mm)



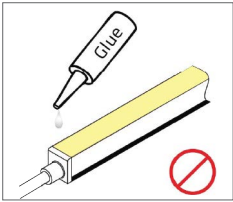
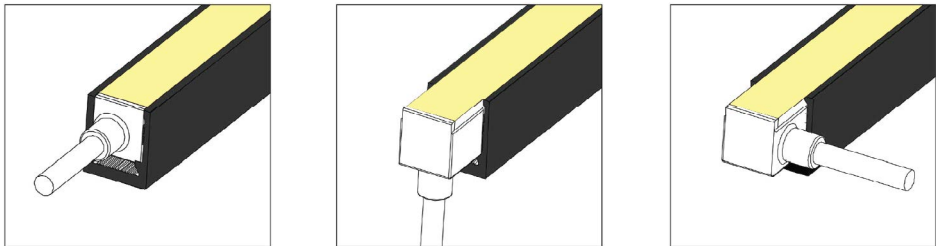
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Pre-installation

PRE-INSTALLATION: CONNECTOR

The connectors may be integrated into the profile if necessary, except for bottom or side cable entry connectors.

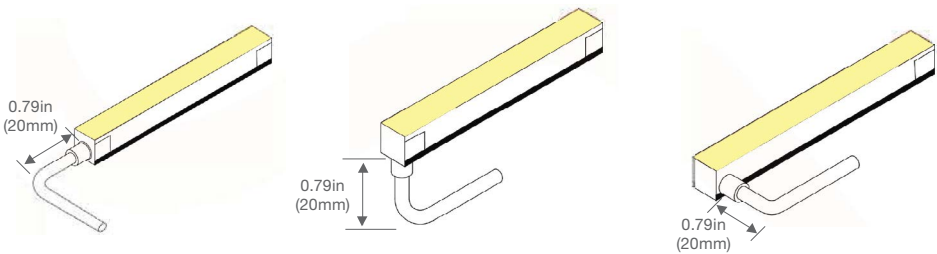


CAUTION

Do not glue the connector to the mounting surface. Expansion and contraction can cause tearing at the connector, which may lead to water ingress and product failure.

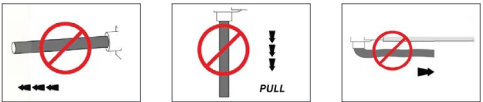
PRE-INSTALLATION: CABLE REQUIREMENT

Keep the cable in its natural (unstressed) position at the joint. Maintain a bend allowance of approximately 0.79in (20mm) for standard silicone cables.



CAUTION

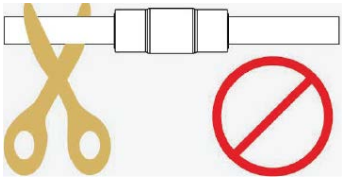
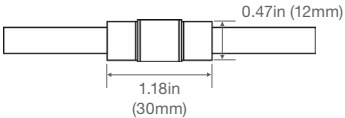
Ensure the cable sheath is free of scratches or damage; otherwise, water ingress may occur.



CAUTION

Do not pull on the cable. Pulling may damage the connector or impair its sealing performance, which can lead to water ingress.

PRE-INSTALLATION: ANTI-WICKING FERRULE



CAUTION

Do not remove the anti-wicking ferrule. Removing it increases the risk of water ingress and will void the warranty. The anti-wicking ferrule helps reduce water migration along the cable, especially if on-site waterproofing is insufficient. However, the overall waterproof performance does not rely on the ferrule alone, proper sealing and waterproof treatment at the cable joint is also essential.

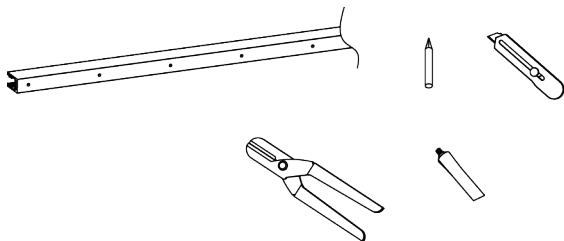


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Profile Cutting Instructions

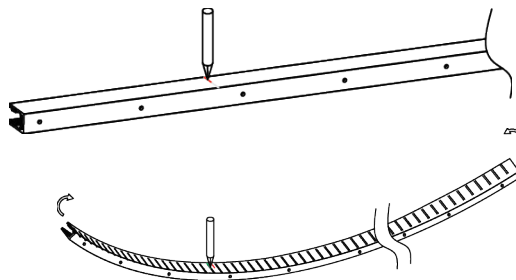
STEP 1: PREPARATION

Before starting, gather the following tools and materials: pen/marker, utility knife, tin snips & structural sealant



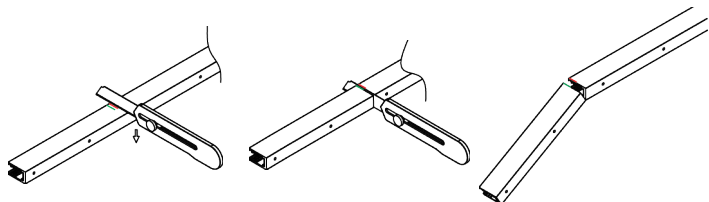
STEP 2: MARK THE CUT POSITION

Measure and mark the desired length on the silicone flexible profile. Gently bend the profile to about 20° to reveal the internal frame gaps. Select the gap closest to your measurement and mark it as the final cut line.



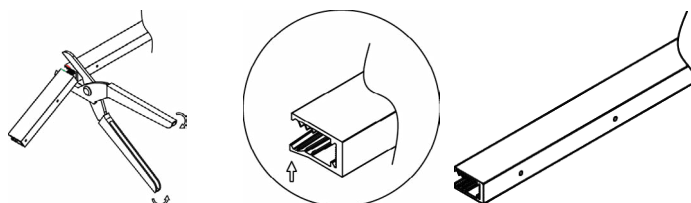
STEP 3: CUT OUTER SILICONE

Using a utility knife, cut vertically along the marked line until you reach the metal frame. Gently open the cut slightly to expose the frame.



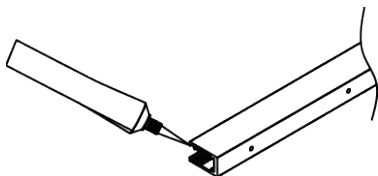
STEP 4: CUT METAL FRAME

Use tin snips to cut the metal frame. Insert the snips as deep as possible before cutting. If the profile deforms slightly, reshape it gently by hand.



STEP 5: APPLY SEALANT

Apply a 1–2 mm layer of structural sealant to the cut end. Allow 24 hours to cure and avoid touching the sealed surface during this time.



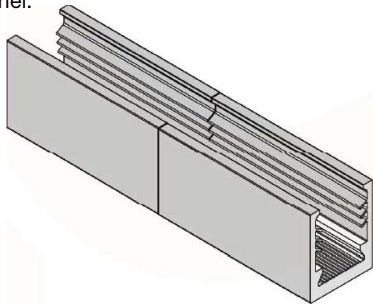
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Installation

SILICONE FLEX CHANNEL JOINING

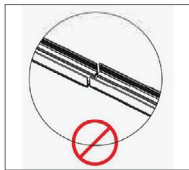
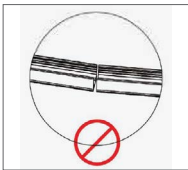
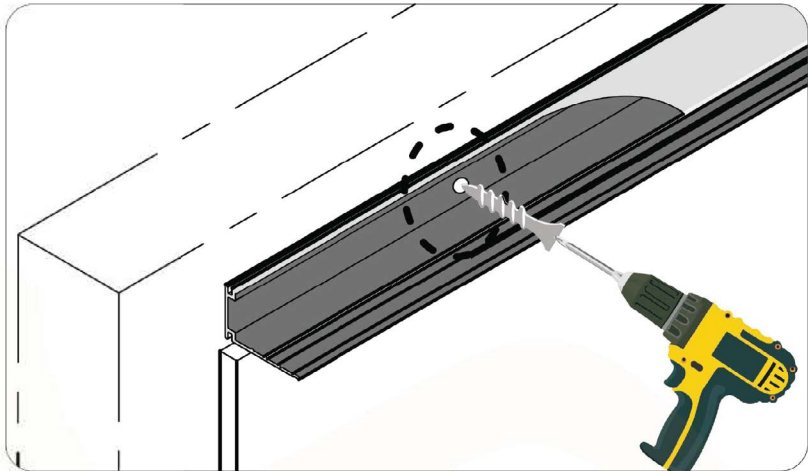
For a straight line, space is not needed between each channel.



Only join mounting profile at an angle if the fixtures can also be joined at an angle.

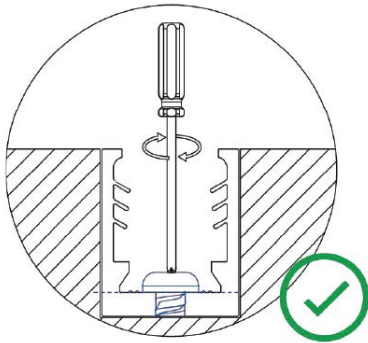


To curve fixtures, leave enough room for the channels and clips. It is suggested that the bendable channel be used in these instances.

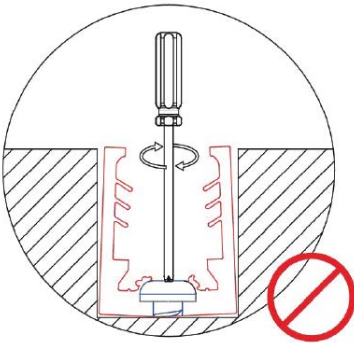


⚠ CAUTION

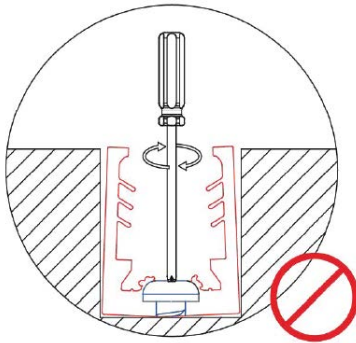
Misalignment will make the fixture to be improperly bent, wrinkled or fractured.



Make sure the screw is properly driven in place.



Do not over-tighten the screw, as this may crush the silicone housing inside the mounting channel.



Do not over-tighten the screw, as this may deform the internal structure of the mounting channel.

NOTE: For additional joining and mounting techniques, refer to the General Installation Guide.

⚠ CAUTION

For bendable fixtures, install and secure the product progressively (section by section) to prevent damage from frequent repeated bending.

