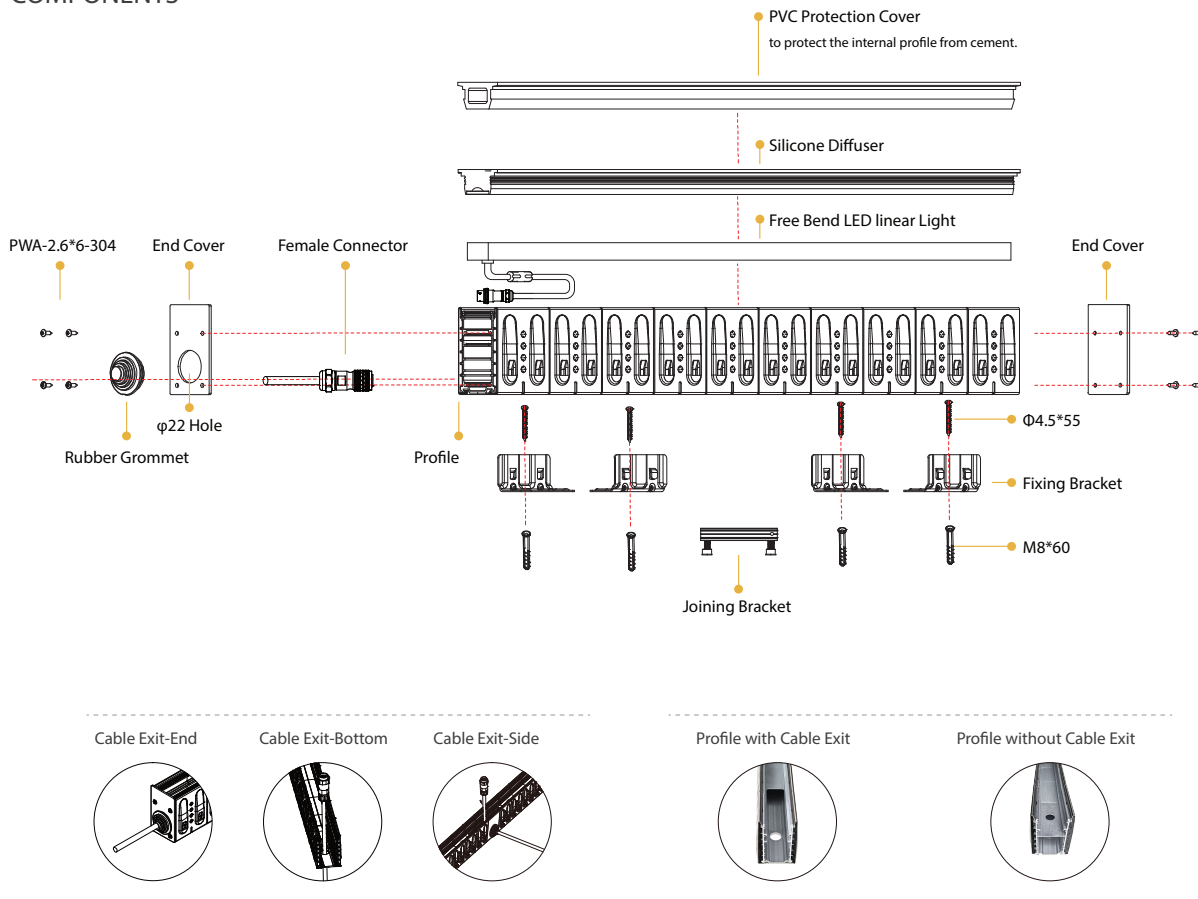


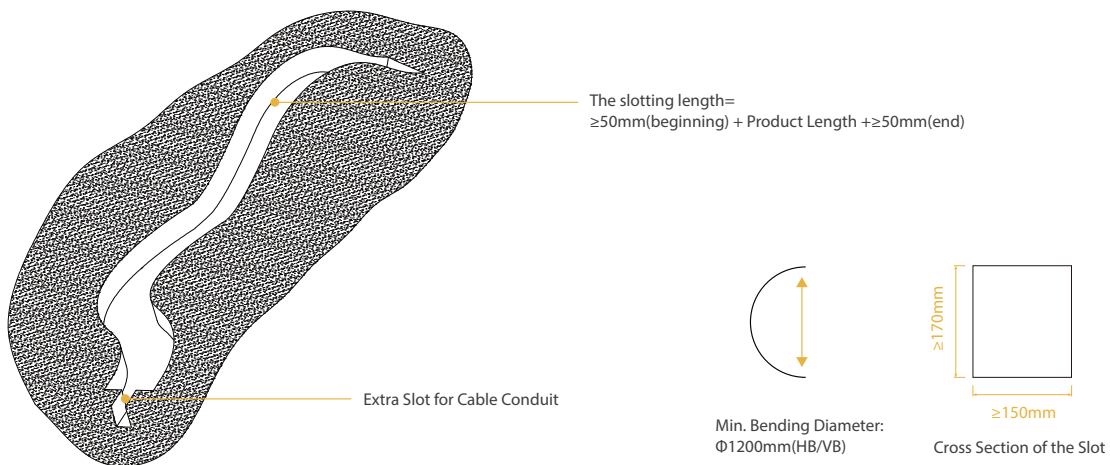
OPERATION INSTRUCTION

FXN In Ground FLEXIBLE NEON Installation Instructions

COMPONENTS



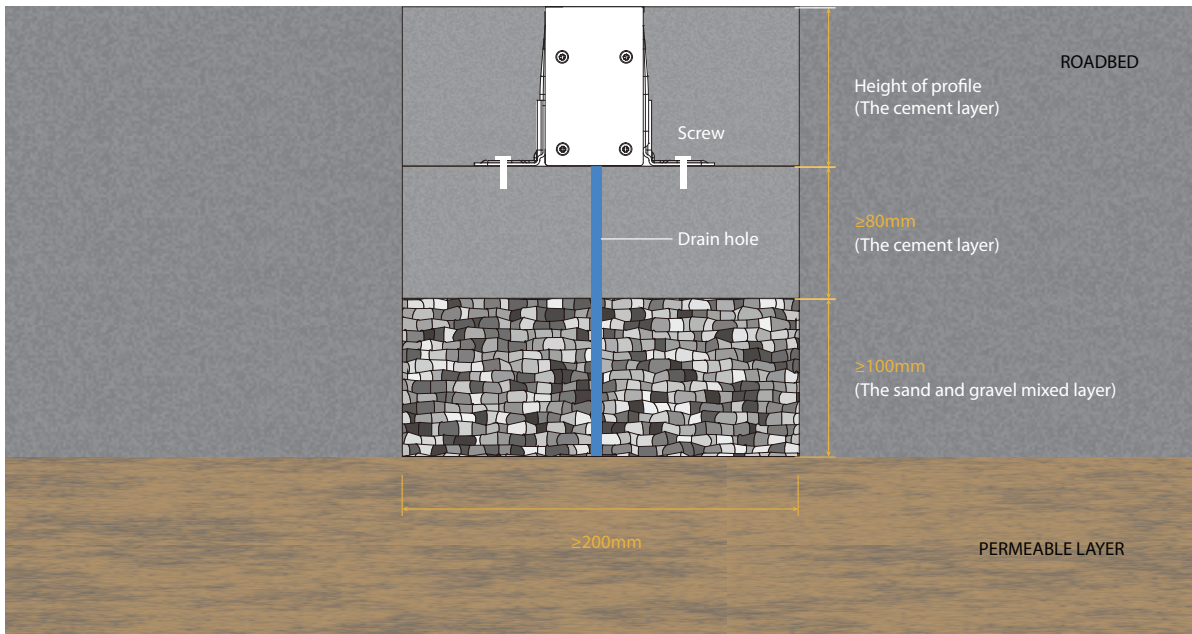
Step 1 SLOTTING



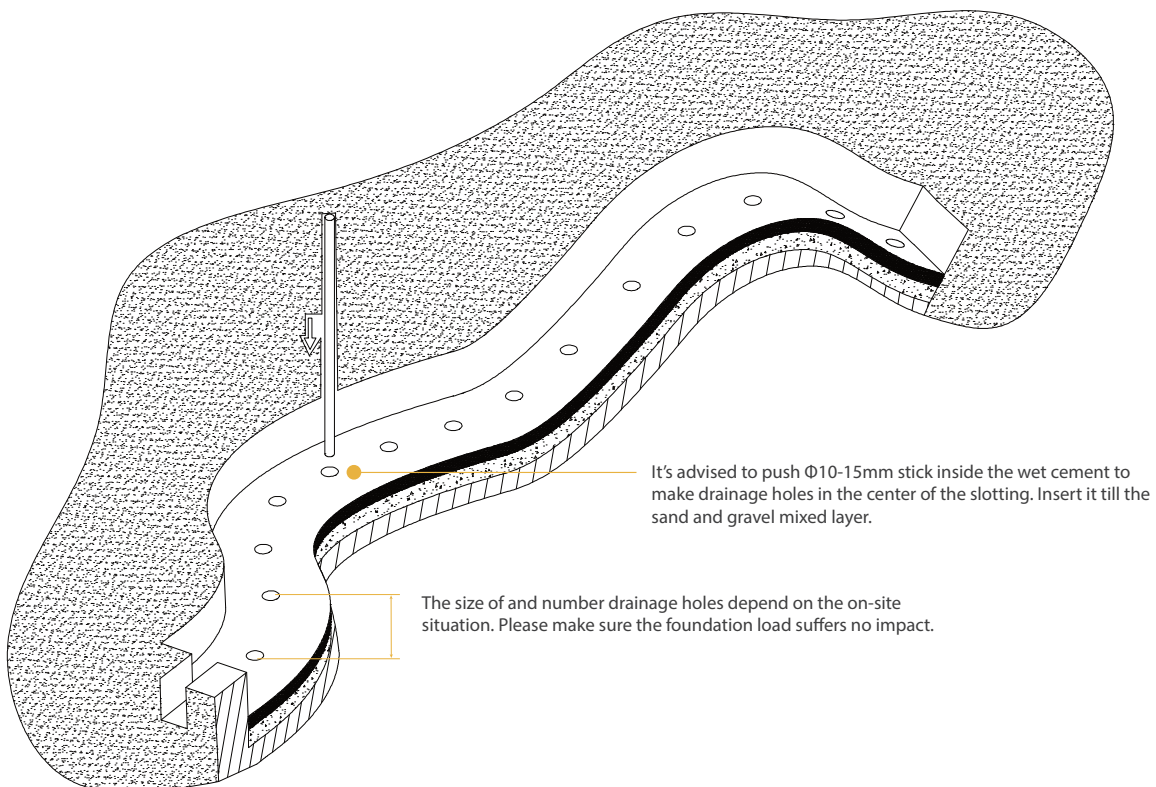
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Installation Instructions

Step 2 DRAINAGE LAYER CONSTRUCTION

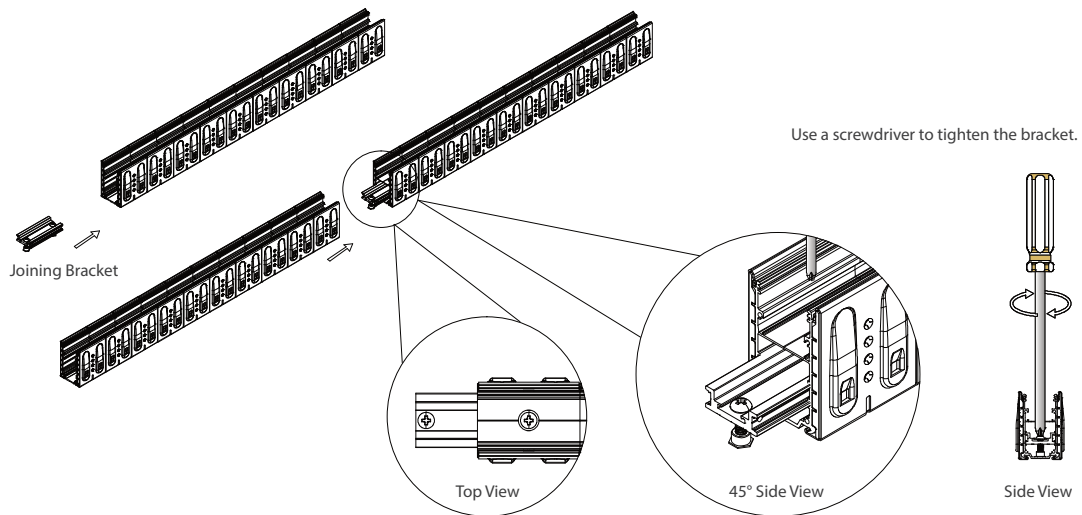
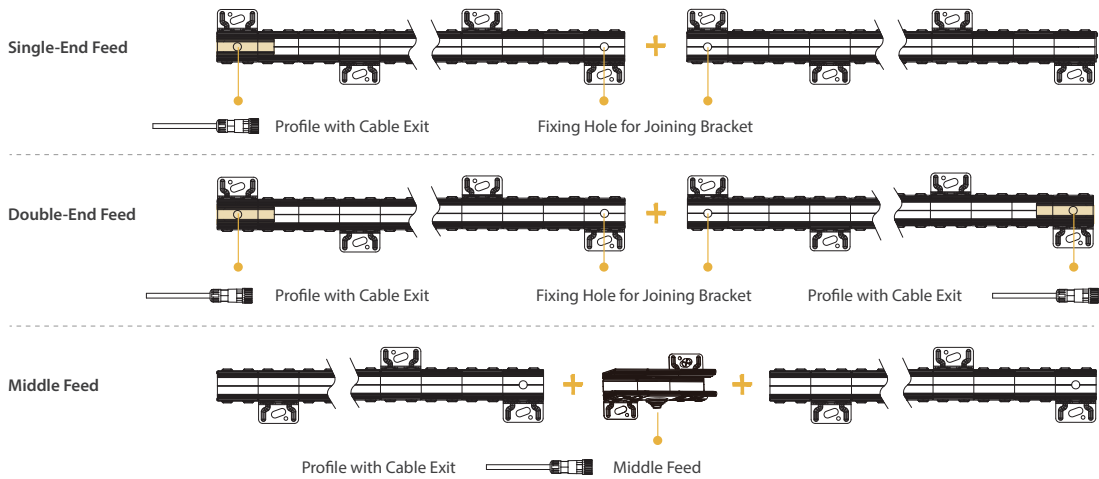


Cross Section of the Slot

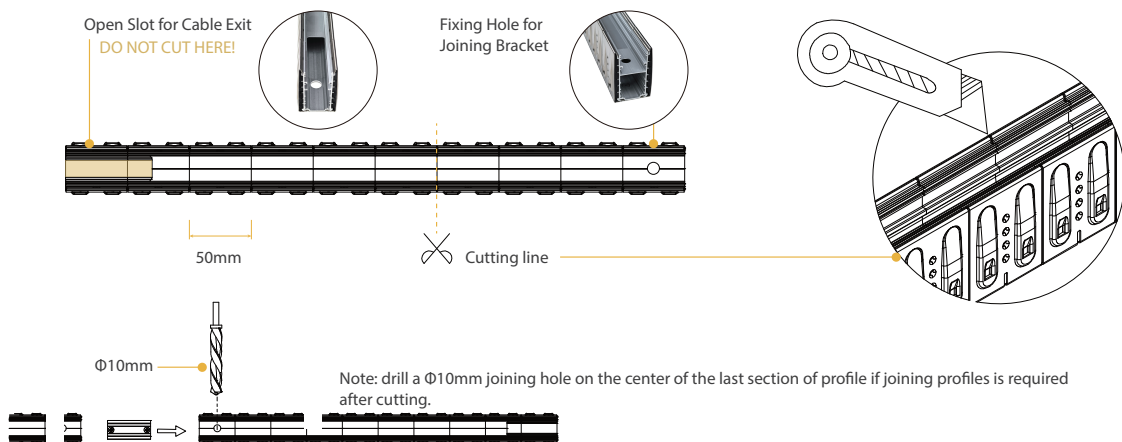


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Step 3 PROFILE JOINING



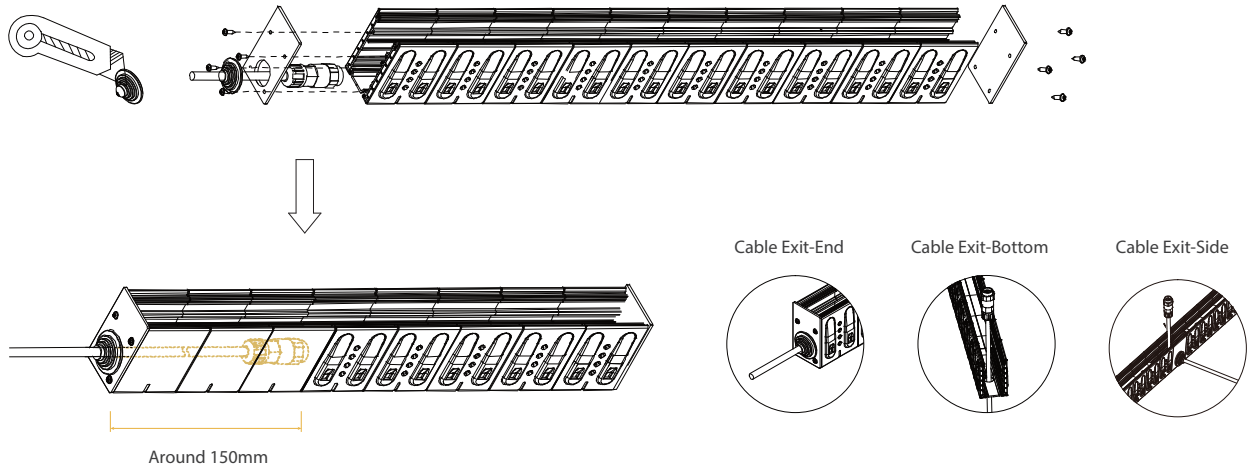
Step 4 PROFILE CUTTING



FXN In Ground FLEXIBLE NEON Installation Instructions

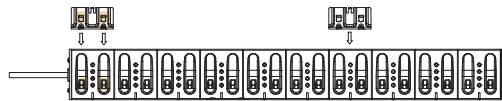
Step 5 INSTALLATION OF END COVER & CONNECTOR

Cut a hole in the rubber grommet that best fits the cable.

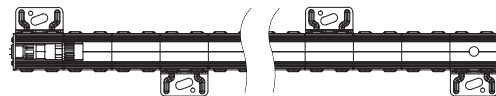


Step 6 INSTALLATION OF FIXING BRACKET

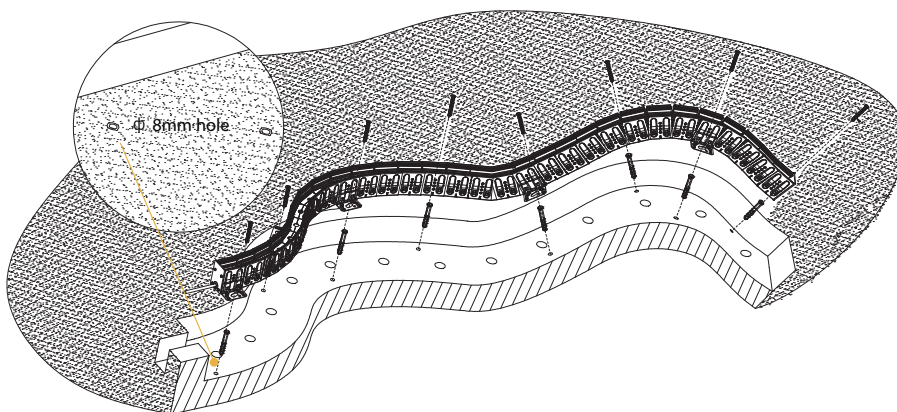
Side View



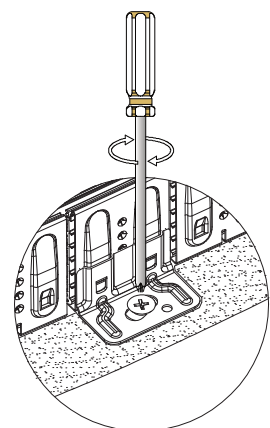
Top View



Recommend 6pcs fixing brackets per 1m and they should be spaced evenly on alternate sides



After the cement solidifies, hammer the wall plug into the fixing hole measured by the demand installation shape.



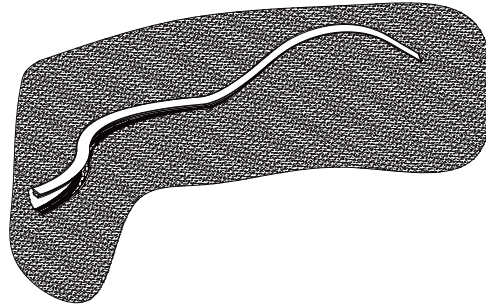
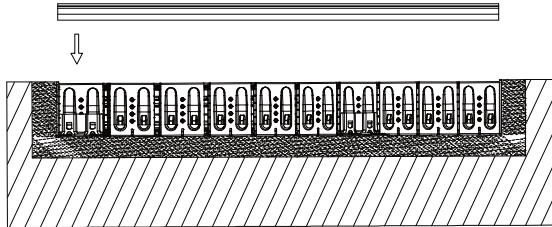
Then tighten the fixing brackets with screws.

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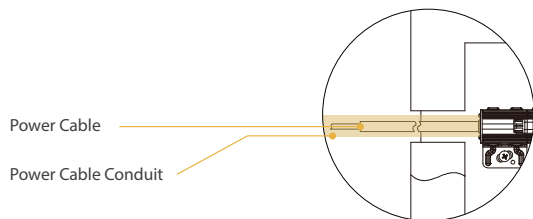
Installation Instructions

Step 7 INSTALLATION OF PVC PROTECTION COVER

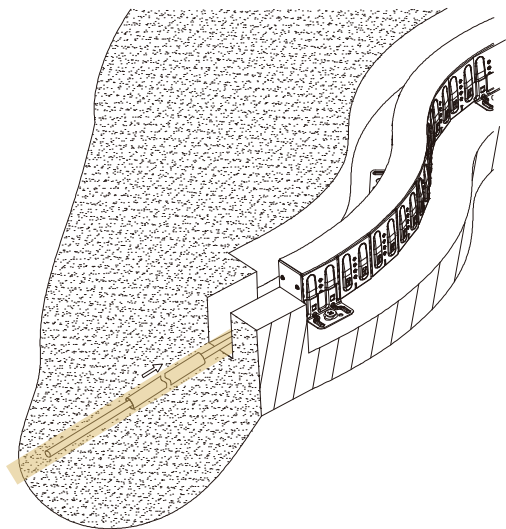
Put the PVC protection cover in place to protect the profile from debris.



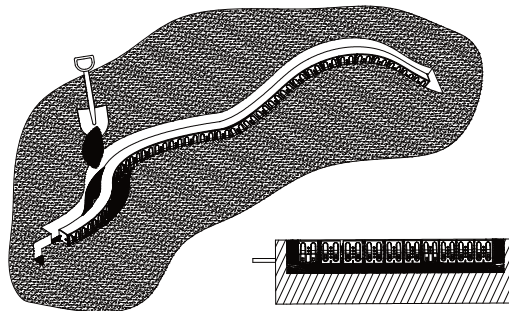
Step 8 INSTALLATION OF CABLE CONDUIT



Sheathe the cable in the cable conduit completely to keep cement from hardening and jamming the cable.



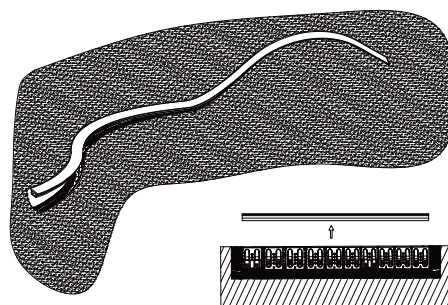
Step 9 FILLING CEMENT



Refill the ground until it's level with the product surface.

Step 10 REMOVING THE PVC PROTECTION COVER

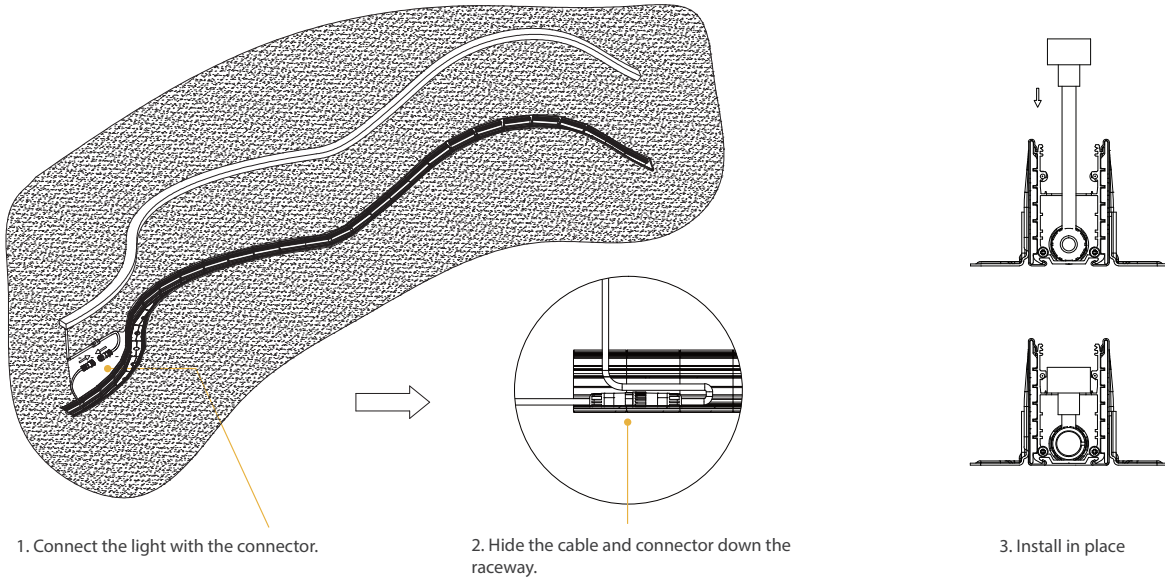
Clean the slot after removing the cover.



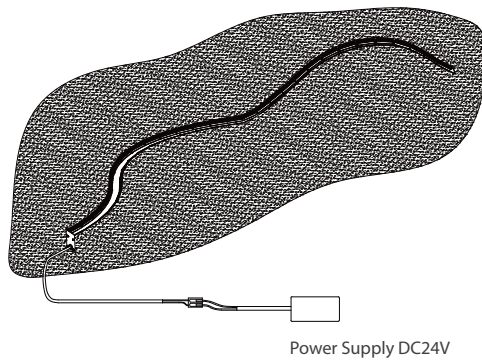
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Step 11 INSTALLATION OF FREE BEND LIGHT

Note: energize and test the light is needed before the installation.



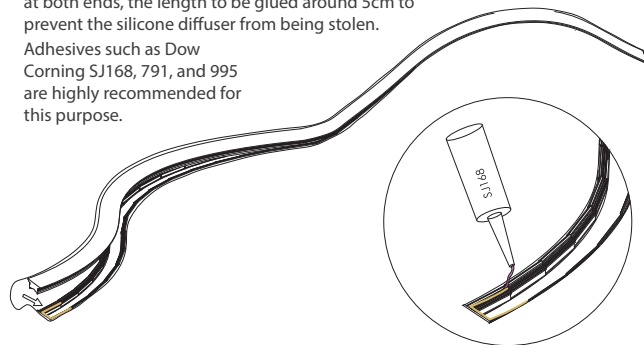
Step 12 LIGHTING TEST



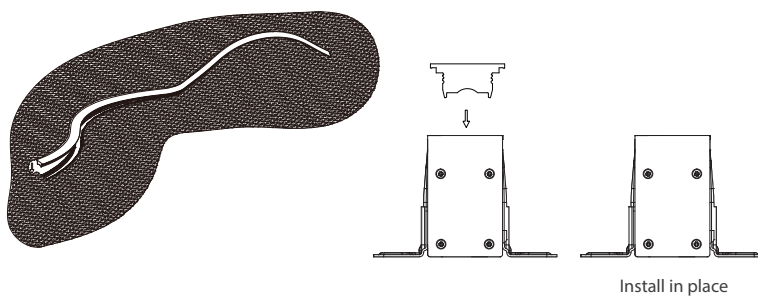
Step 13 GLUE

Apply the structural adhesive along the edge of the profile at both ends, the length to be glued around 5cm to prevent the silicone diffuser from being stolen.

Adhesives such as Dow Corning SJ168, 791, and 995 are highly recommended for this purpose.



Step 14 PLACING THE SILICONE DIFFUSER



FXN In Ground FLEXIBLE NEON

Maintenance & Replacement of InGround Lights

Regular maintenance, systematic troubleshooting, and the use of standardised replacement components ensure long-term reliability, safety, and optimal performance of inground lighting systems.

I. DAILY MAINTENANCE

Frequency:

Every 3-6 months (or immediately after extreme weather events such as earthquakes, heavy storms, floods, typhoons, or ice storms)

1.1 INSPECTION CHECKLIST

- **Surface Debris**
 - Remove dirt, mud, leaves, or other obstructions blocking light emission
- **Light Performance**
 - Check for flickering, dimming, or complete failure.
- **Physical Damage**
 - Inspect for cracks, deep scratches, or signs of impact on the silicone cover
- **Junction Box Integrity**
 - Verify waterproof connectors are intact with no aging or deterioration

1.2 CLEANING TIPS



Recommended Method

Use a soft cloth with a neutral cleaner (avoid abrasive brushes or harsh chemicals).



Alternative Method (High-Pressure Cleaning)

A water jet gun is recommended for a deep, intensive cleaning. Cleaning machines are also advisable, provided the inground light can withstand the weight.

Rinsing Pressure: 20-80bar (290-1160psi).
 Nozzle: fan nozzles only (disperses pressure); zero-degree nozzles may cause surface damage.
 Distance: 30-50cm. (can be 15cm for stubborn stains for 20-30 seconds max).
 Water Temperature: ≤40°C (room temp or lukewarm).

FXN In Ground FLEXIBLE NEON

Maintenance & Replacement of InGround Lights

II. REPLACEMENT INSTRUCTIONS

2.1 REPLACEMENT CONDITIONS

- Silicone Cover Damage: Cracks, deep dents (>3mm), or permanent stains affecting light output.
- Light Failure: flickering, dimming, extinguishing, or dead LEDs or no illumination at all.

2.2 STEP-BY-STEP REPLACEMENT

Critical Reminders:

NEVER stretch the silicone cover before cutting it.
Avoid excessive force to prevent damage.
Clean the channel before reinstalling the cover.

A. Silicone Cover Replacement	
1) Remove Old Cover	Use a screwdriver to pry open the cover from one end. Gently pull it out along the profile.
2) Align Length & Cut New Cover	
3) Install New Cover	Install the new silicone cover and ensure it fits evenly along the profile.

B. Light Replacement	
1) Power Off	Disconnect electricity completely.
2) Locate Faulty Light	Identify the exact position where the light needs replacement.
3) Remove Silicone Cover	Follow step 1) in Section A.
4) Extract Defective Light	Remove the failed light.
5) Pre-Install	Test the new light before installation.
6) Install New Light	Match polarity and ensure connectors are clean and dry.
7) Post-Install	Restore power and test the new light again.
8) Reinstall Silicone Cover	Carefully reposition the cover and ensure it fits evenly along the entire profile.