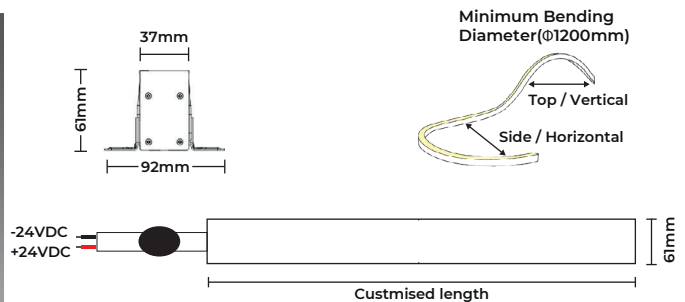
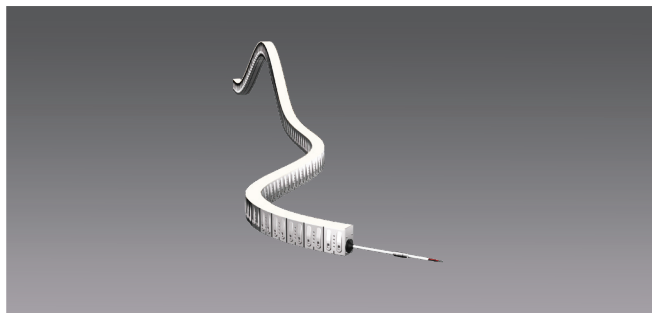


## Installation Guide:



## General Notes and Cautions:

- These points to be read and followed in conjunction with pictorial installation instruction of Ingneo III - LED Inground Luminaire
- Only qualified and experienced personnel should perform the designing, installation, commissioning, operation and maintenance of lighting system conforming to latest applicable standards and codes.
- All civil, interior fit-out, electrical, control, lighting and commissioning related work for the installation, commissioning, operation and maintenance of these luminaires be performed by qualified and experienced team of supervisors, technicians and labor force.
- Ensure power supply is off during installation, electrical and control connections and maintenance activities. Take all precautionary measures and use PPE (personal protective equipment) to prevent electric shock and accidents.
- Mandatory to have proper grounding of luminaire.
- Luminaires to be fed from a compliant stable electrical system; panel, circuit protection devices including ELCBs, surge protectors, isolators, emergency power switch off etc.
- These luminaires are IP67 rated.
- Don't operate on generator or temporary power supply.
- Power supply must conform to input power supply rating of driver and be without any variations and distortions (transient voltages, spikes, unbalanced load, THDs, fluctuation).
- Follow power and control (polarity sensitive and applicable for dimming luminaire) connections as marked on the product connection terminals and driver. In case of any ambiguity, do contact us before doing any termination and energization should be done once 100%
- Recommended to first have a mockup installation at site prior to execution of work to eliminate any non-conformance related to civil, electrical and lighting works.
- Strongly recommended to install these luminaires after completion of work at site and chances of exposure to dust, moisture, humidity, paint and chemical fumes etc. are completely eliminated.
- During construction phase, protect luminaire from construction related pollutants; dust, moisture, chemicals, paint and physical damage etc.
- Never operate luminaire if covered with any protective sheet/coverings etc.
- Don't alter or modify the luminaire.
- Don't repair on your own non-functioning luminaires.
- In case of malfunction, switch off the power supply immediately and don't try to repair the faulty luminaire.
- Perform any maintenance work only in consultation with our technical team and use spares provided by us.

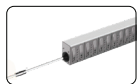
## WARNING

- 1 - Switch off before installation.
- 2 - Switch on only after complete installation and examination of the circuit.
- 3 - Professional electrician for installation and maintenance only.

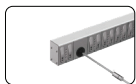
AC220-240V  
50Hz/60Hz



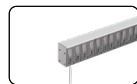
## Connectors:



IP67  
Front Connector  
18AWG\*2



IP67  
Side Connector  
18AWG\*2



IP67  
Bottom Connector  
18AWG\*2

## Accessories:



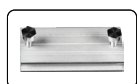
PVC Protection  
Diffuser



Silicone Diffuser



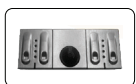
Fixing Bracket



Joiner



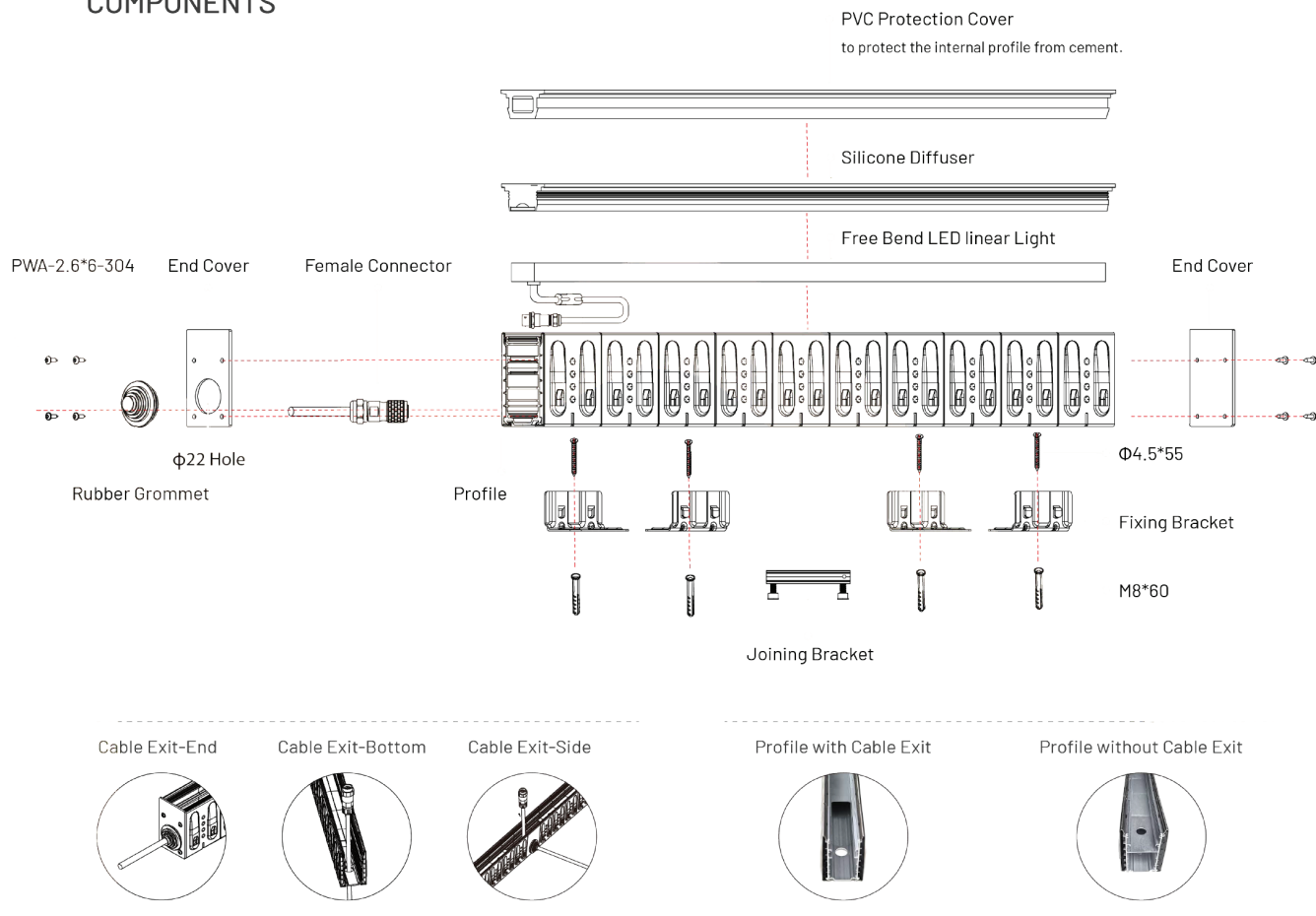
End Cap



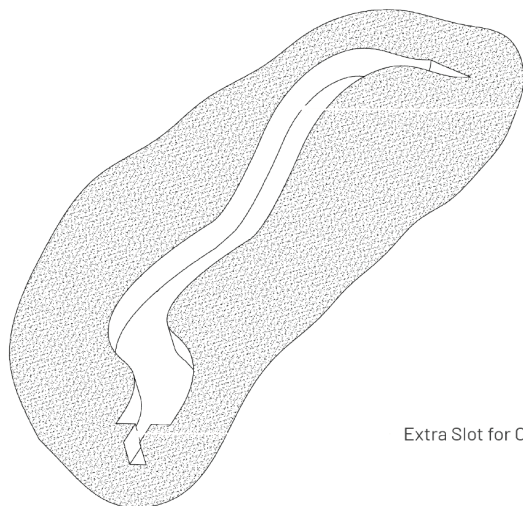
End Cap

## INSTALLATION INSTRUCTIONS

### COMPONENTS



### Step 1 SLOTTING

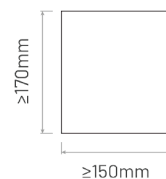


The slotting length=  
 $\geq 50\text{mm}(\text{beginning}) + \text{Product Length} + \geq 50\text{mm}(\text{end})$

Extra Slot for Cable Conduit

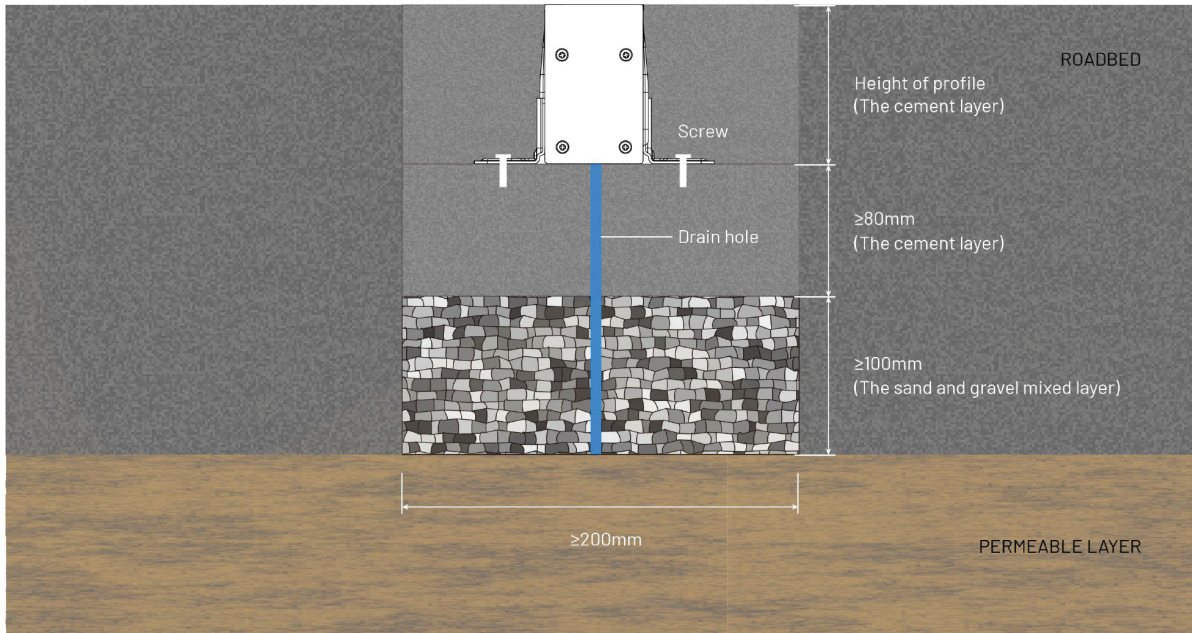


Min. Bending Diameter:  
 $\Phi 1200\text{mm}(\text{HB}/\text{VB})$

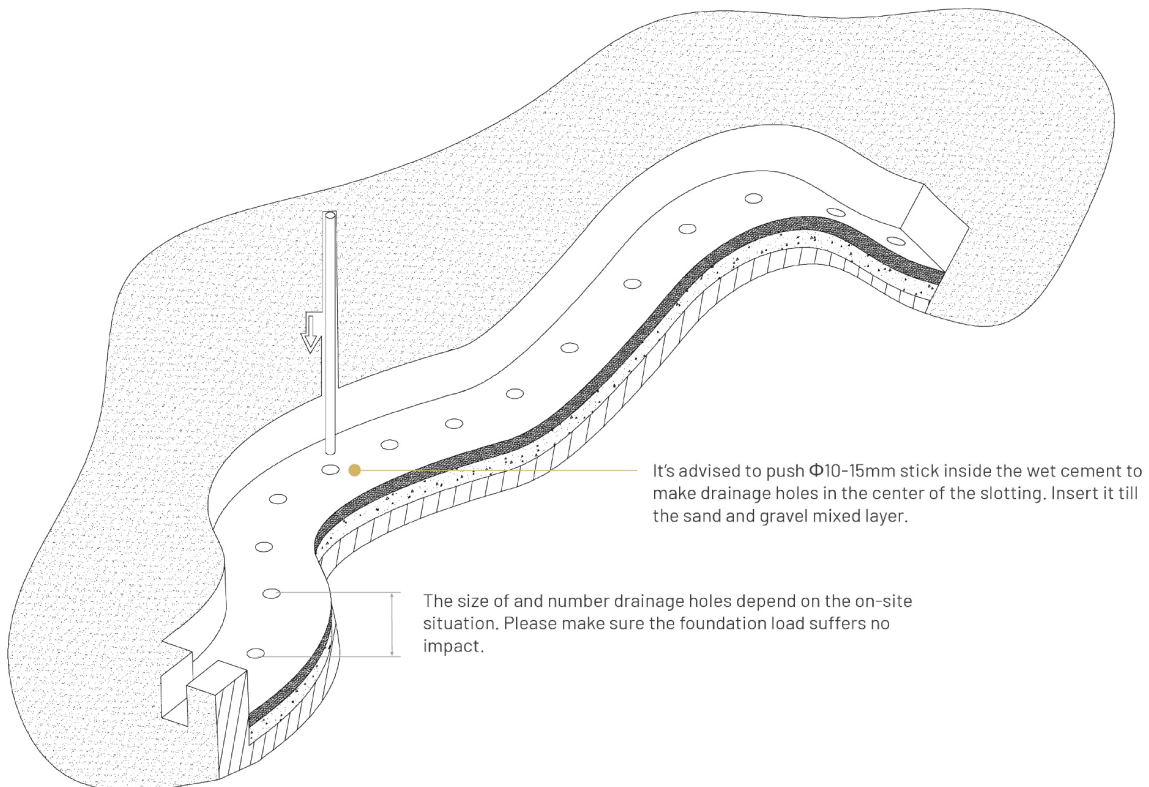


Cross Section of the Slot

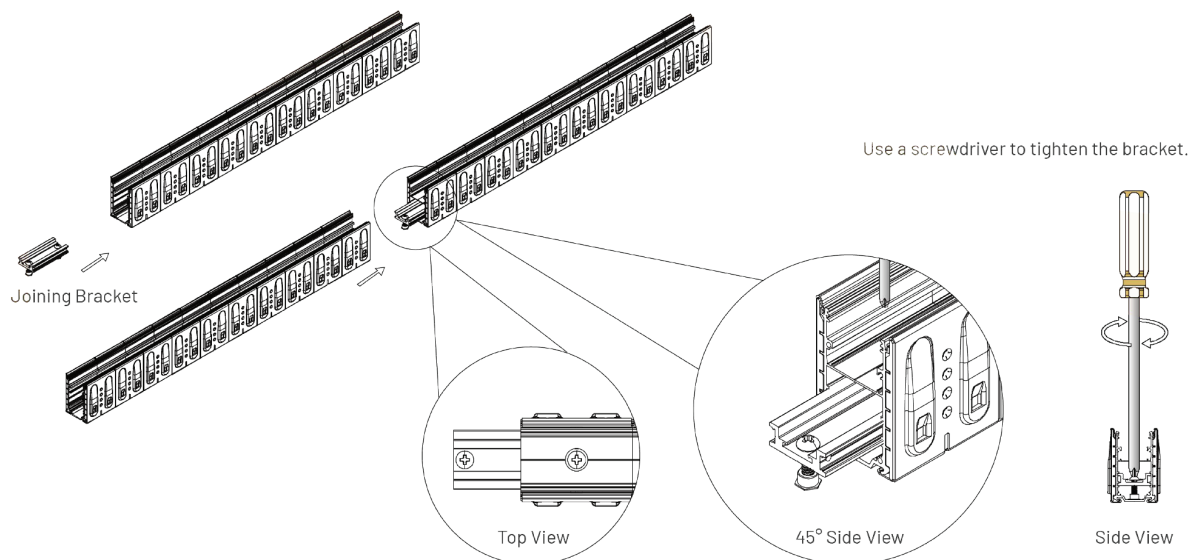
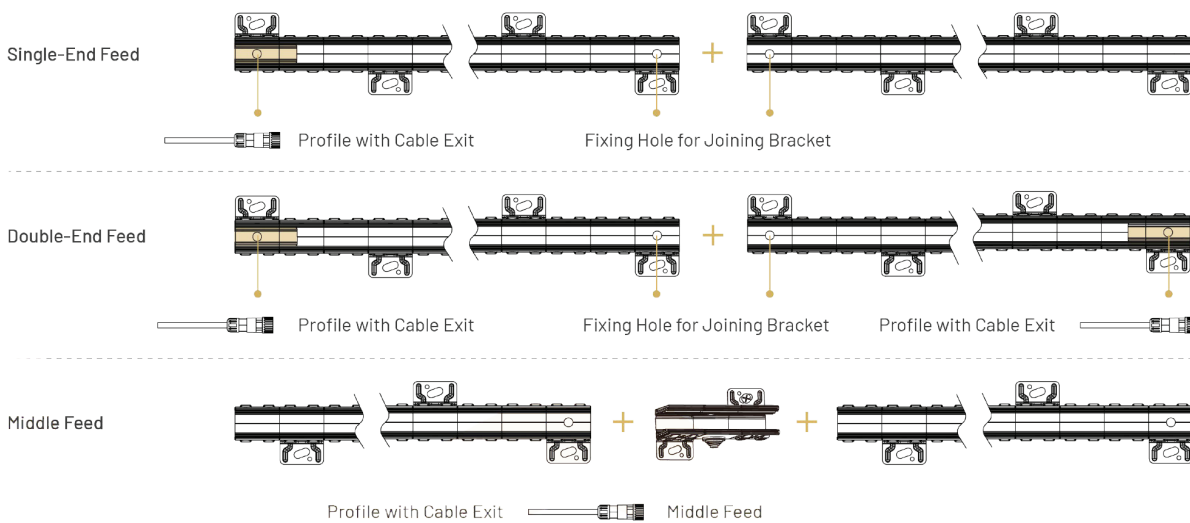
Step **2** DRAINAGE LAYER CONSTRUCTION



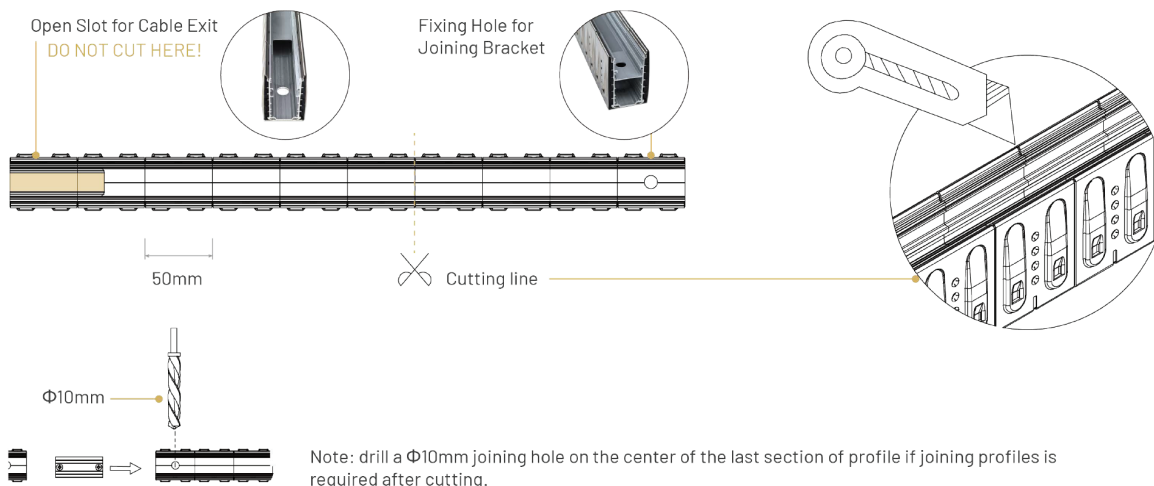
Cross Section of the Slot



## Step 3 PROFILE JOINING

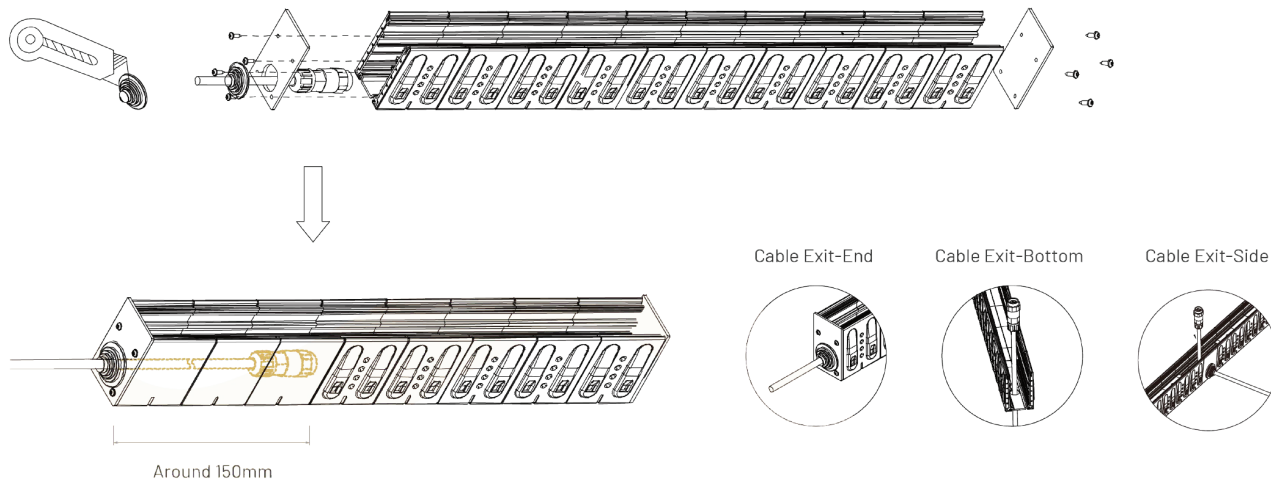


## Step 4 PROFILE CUTTING



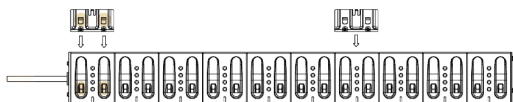
## Step 5 INSTALLATION OF END COVER & CONNECTOR

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

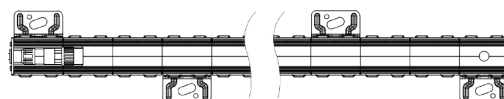


## Step 6 INSTALLATION OF FIXING BRACKET

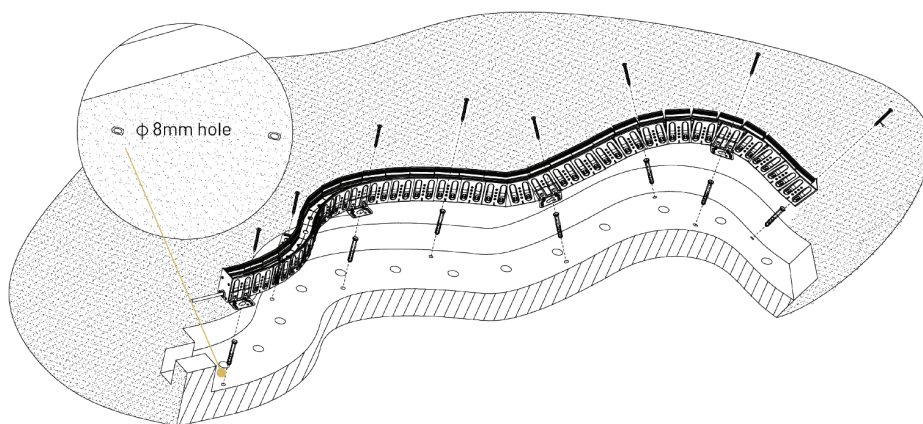
Side View



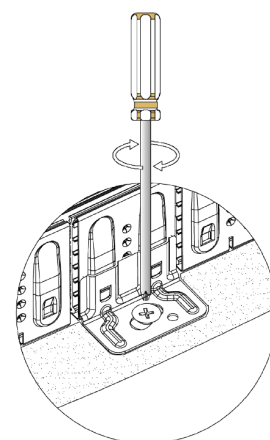
Top View



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



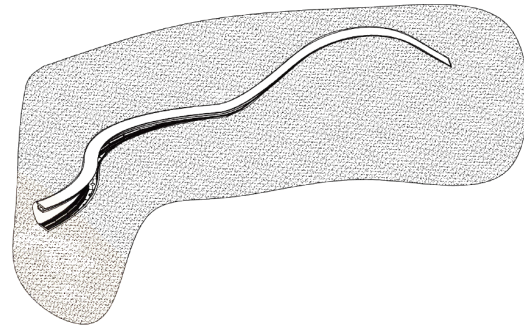
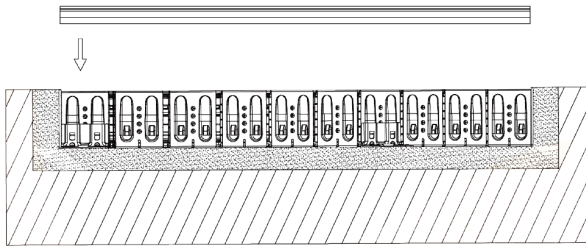
After the cement solidifies, hammer the wall plug into the fixing hole measured by the demand installation shape.



Then tighten the fixing brackets with screws.

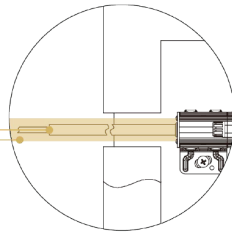
**Step 7** INSTALLATION OF PVC PROTECTION COVER

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

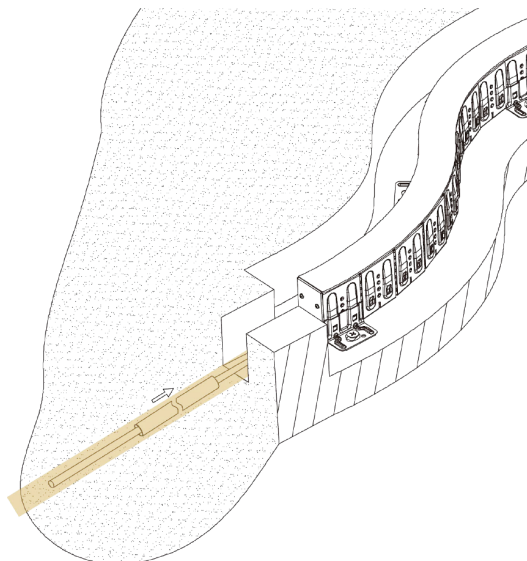


**Step 8** INSTALLATION OF CABLE CONDUIT

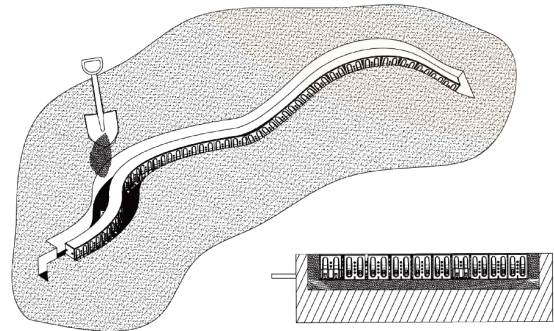
Power Cable  
Power Cable Conduit



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



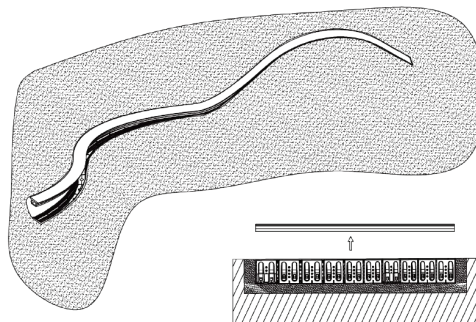
**Step 9** FILLING CEMENT



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

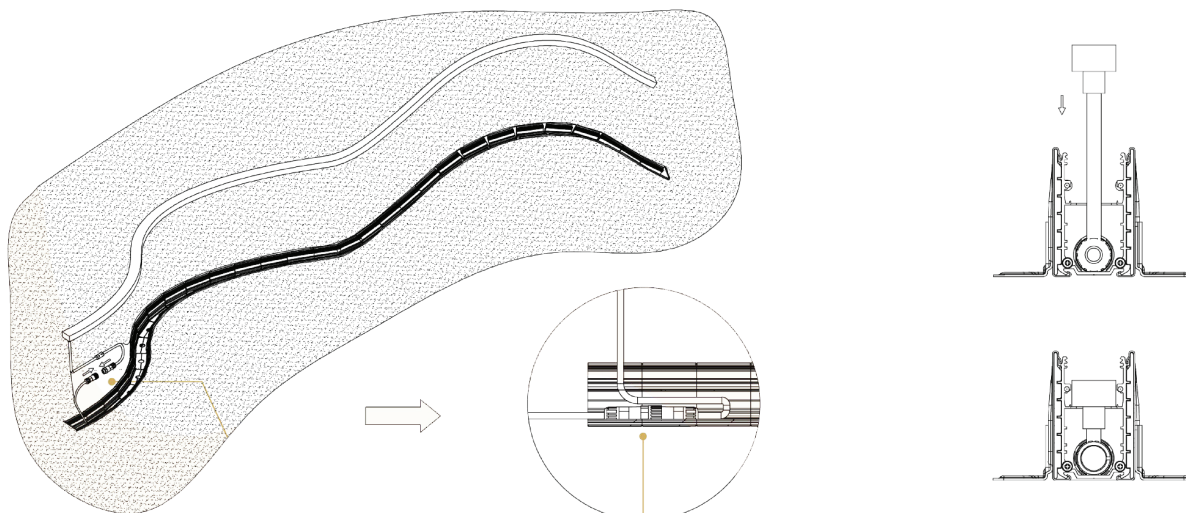
**Step 10** REMOVING THE PVC PROTECTION COVER

Clean the slot after removing the cover.



## Step 11 INSTALLATION OF FREE BEND LIGHT

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

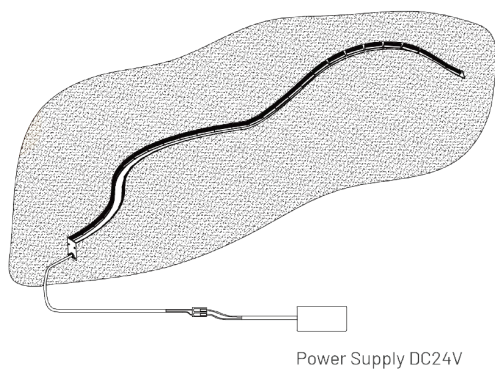


1. Connect the light with the connector.

2. Hide the cable and connector down the raceway.

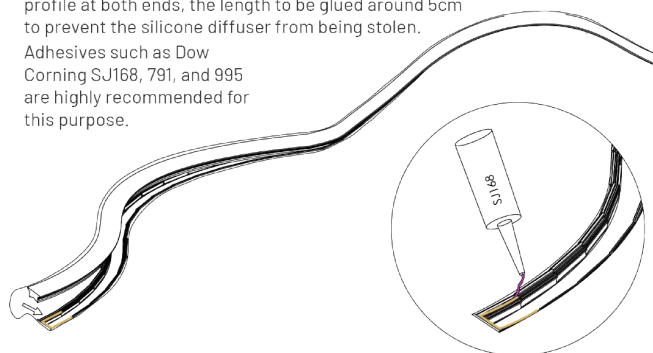
3. Install in place

## Step 12 LIGHTING TEST

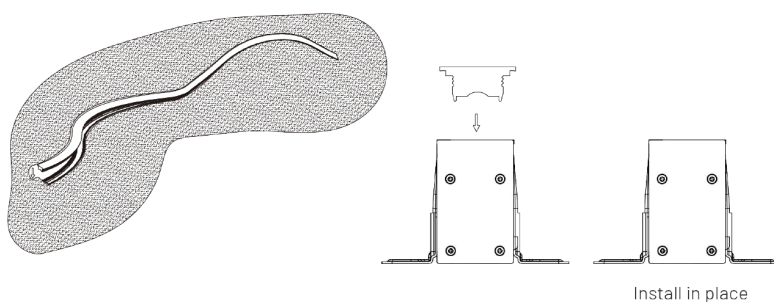


## Step 13 GLUE

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



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