

**Parts needed for assembly:**



Extrusion (A)



Cable gland (B)



End cap (C)



LED Strip (D)



Cover (E)

**Tools needed for cutting:**

- hand saw
- mechanical saw (preferred)
- light adhesive tape

**Tools needed for mounting:**

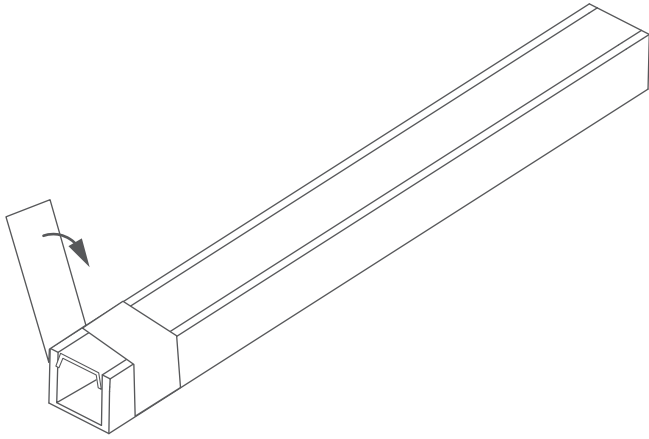
- drill
- mounting adhesive
- silicone
- dust cloth
- cardboard

**NOTE!** All LED strips must be connected to a 12 V or 24 V power supply.

**IMPORTANT:** Turn off LED lights when not in use to avoid excessive heat buildup which will result in diminished LED life.

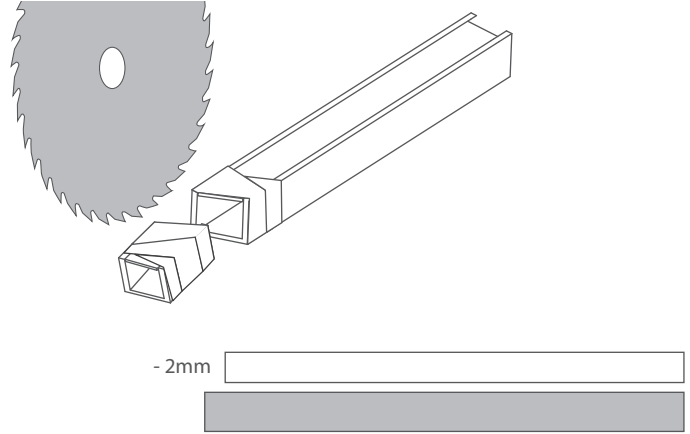
**NOTE!** Some end caps require cutting the cover short to accommodate their size. This should be taken into account when cutting the extrusion and the cover.

**1.** Before cutting the extrusion with the cover, secure the cutting point with a light adhesive tape (masking or painters tape).

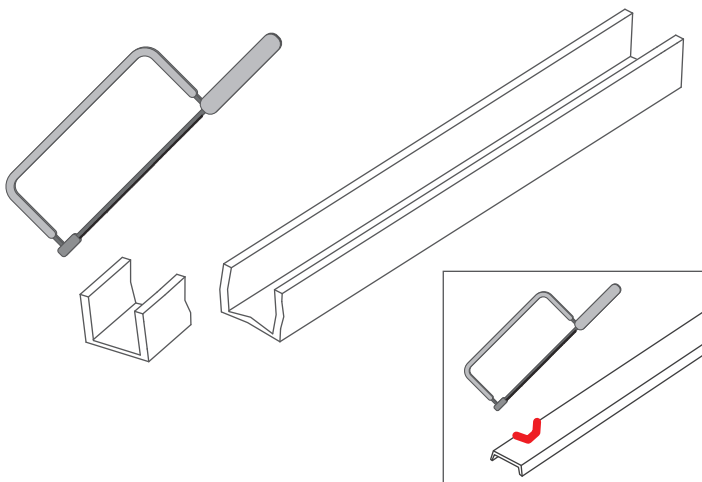


**2.** Use a mechanical saw to cut.

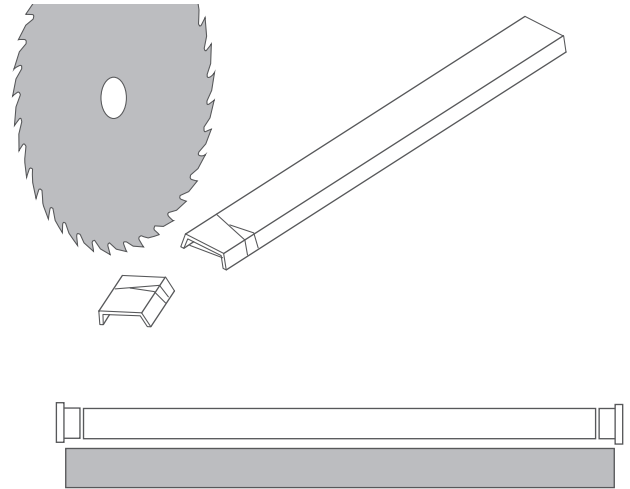
**NOTE!** It is recommended that the cover be cut 2 mm shorter than the extrusion to account for its thermal expansion.



**NOTE!** Low precision cutting of the extrusion and cover can be done with a hand saw, but please beware that uneven or jagged edges may cause damage, crack or break the covers when inserting.

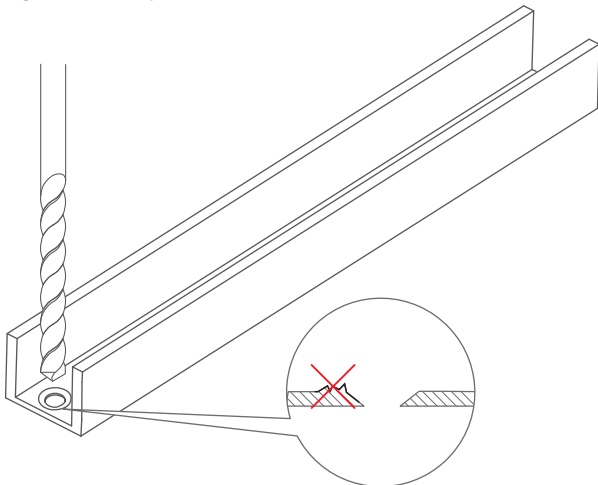


**NOTE!** Some extrusions have dedicated end caps that will require you to short cut the cover to accommodate.

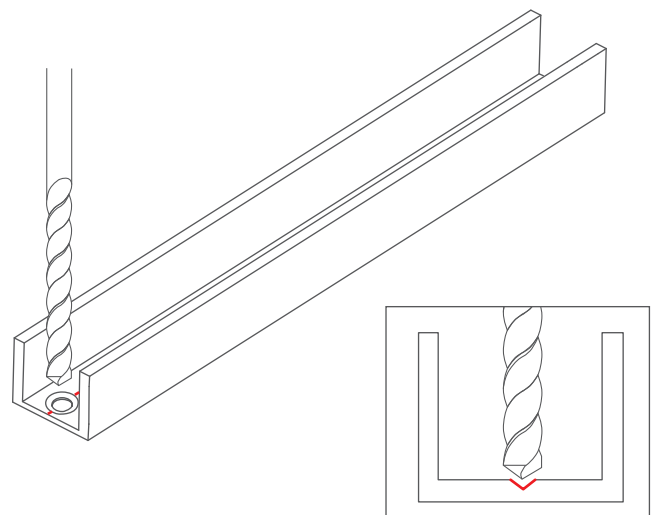


**3.** Drill a hole in the desired area of your extrusion. *(It is a good idea to lay out each piece of extrusion directly where it is to be installed and pre-mark drill areas.)*

**NOTE!** Make sure that there are no burrs around the hole after drilling as they can damage the LED strip or cable.

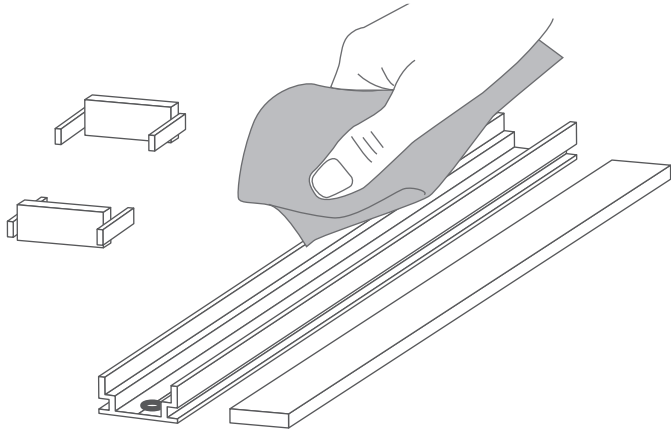


**NOTE!** Some extrusions feature one or more special grooves that make it easier to start drilling.

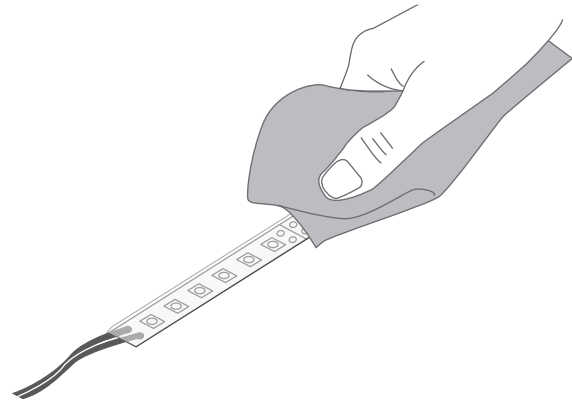


**NOTE!** Proper sealing is extremely important to maintain IP67 rating

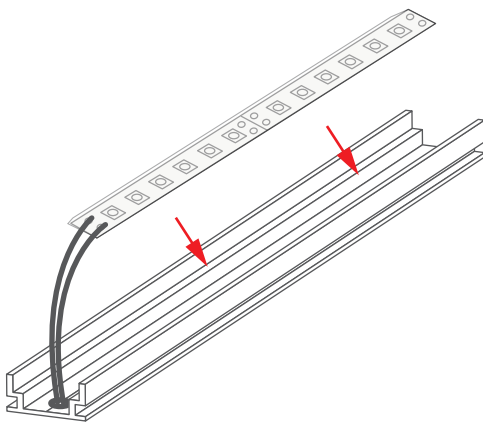
**1.** Degrease and wipe all elements of the extrusion.



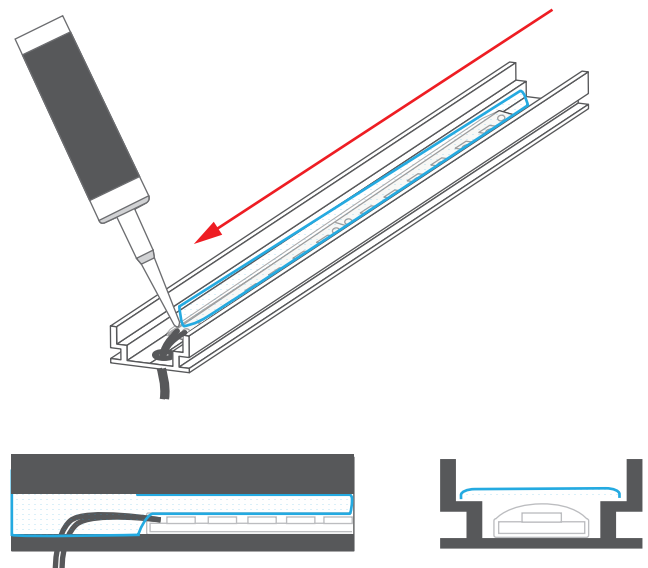
**2.** Degrease and wipe the Gel coated LED strip.



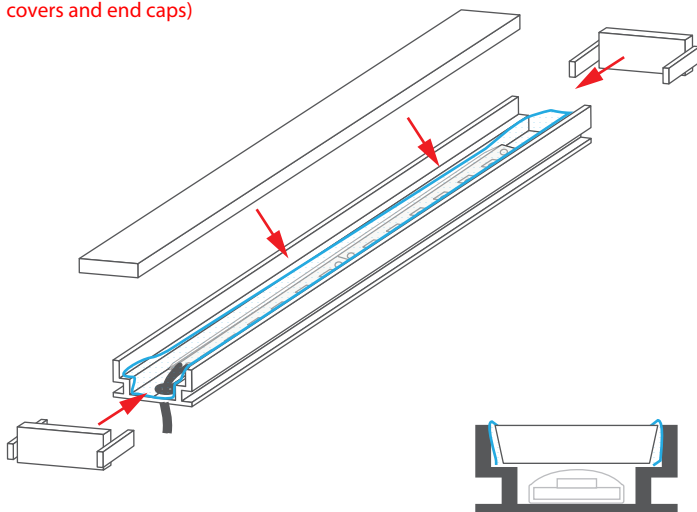
**3.** Insert the LED strip.  
(See page 5 for adhering and connecting details)



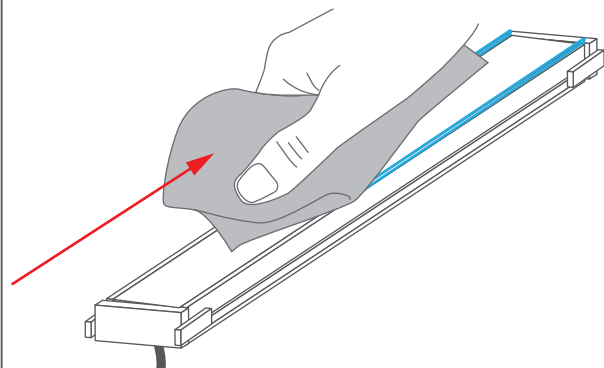
**4.** Apply a layer of silicone to fill the extrusion, covering the LED strip.



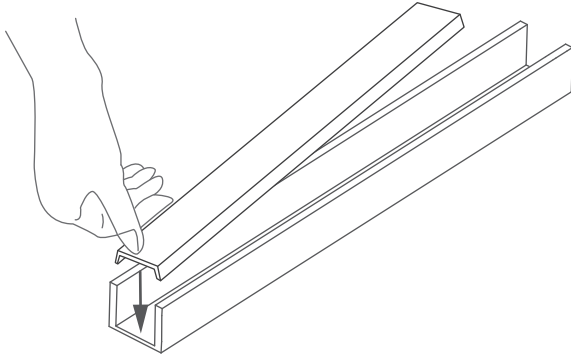
**5.** Insert the cover and both end caps.  
(See page 4 for details on attaching covers and end caps)



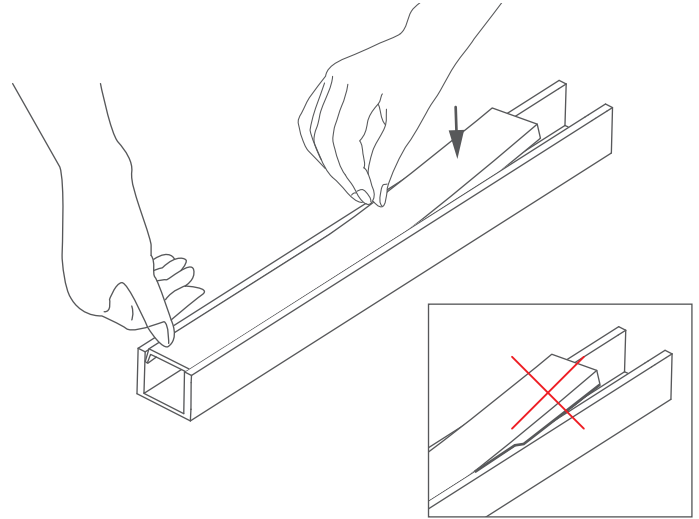
**6.** Wipe the fixture thoroughly to remove any excess silicone by scraping with a piece of cardboard and/or using a clean cloth. It is recommended to wait 24 hours for the silicone to dry completely before proceeding with further installation.



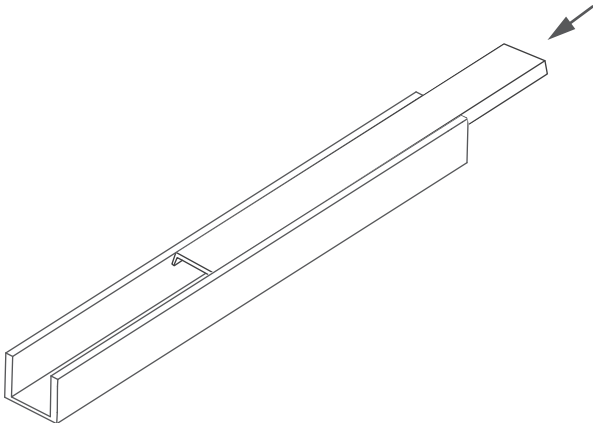
**1.** Insert the tip of the cover into the extrusion.



**2.** Press in the subsequent sections of the cover. Be careful not to bend or break the wings of the cover.

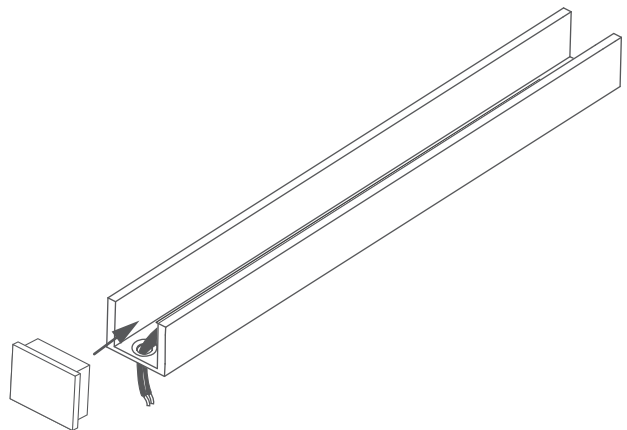


**OPTIONALLY:** Short sections, can also be inserted from the edge of the extrusion.

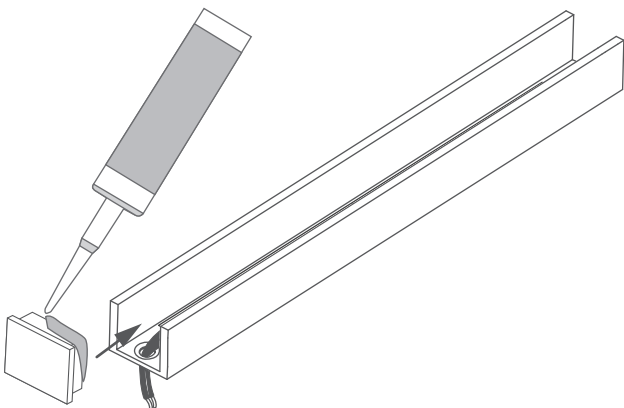


**3.** Insert an end cap into the edge of the extrusion. Individual extrusions have a shape that allows easy installation of dedicated end caps.

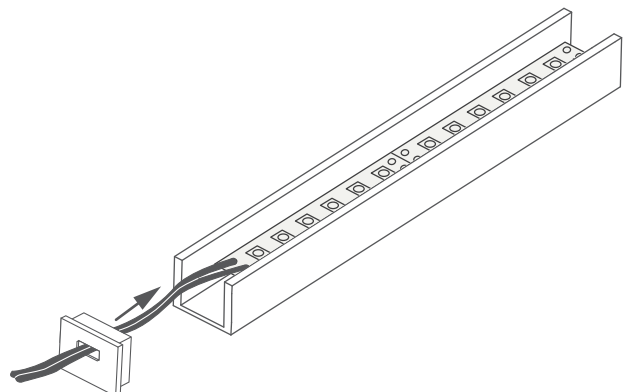
**NOTE!** Some end caps require cutting the cover short to accommodate their depth. This should be taken into account when cutting the extrusion and the cover.



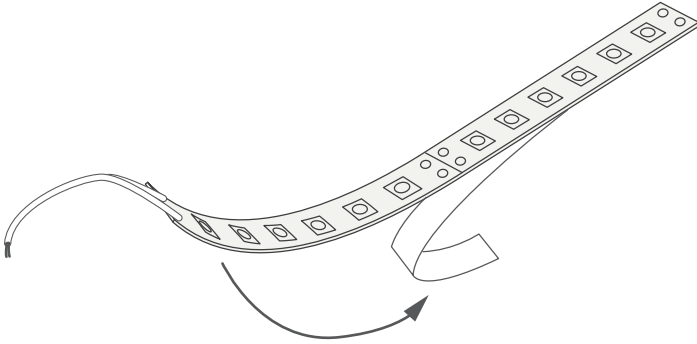
**OPTIONALLY:** The end caps can be attached to the extrusion using glue.



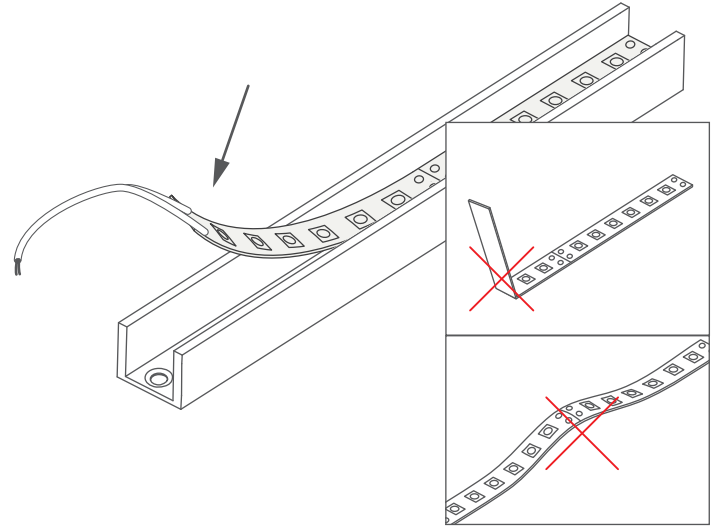
**OPTIONALLY:** Power cables can be run through the end caps in which case the extrusion does not need to be drilled through.



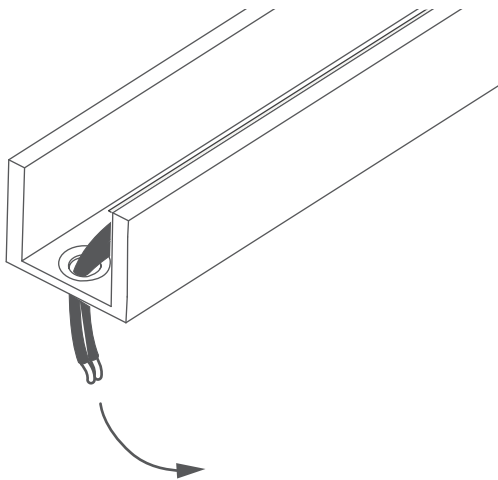
**1.** Remove the protective layer of the LED strip.



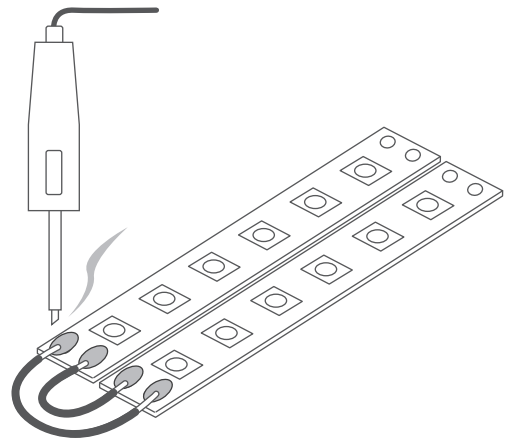
**2.** Adhere the LED strip in the extrusion using the adhesive provided on back.  
**NOTE!** Be sure not to bend or peel off adhesive prior to installation



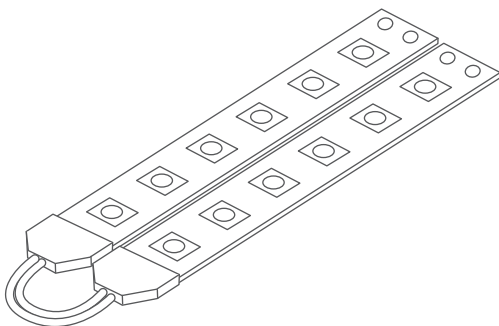
**3.** Lead the power cable through the drilled hole.



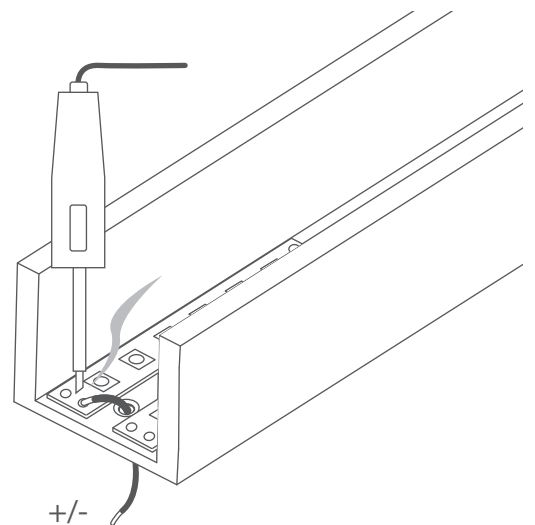
**4.** Connect the LED strips with wires by soldering.



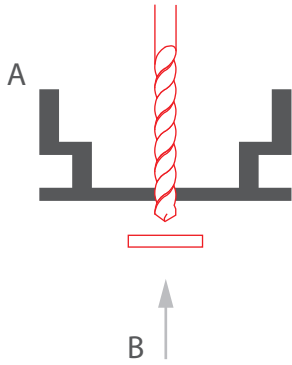
**OPTIONALLY:** The LED strips can also be connected using a system of LED strip connectors.



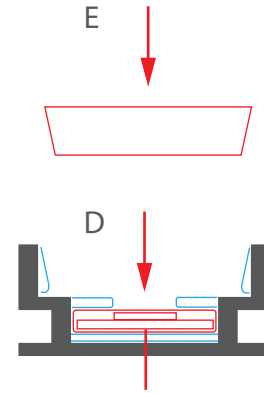
**OPTIONALLY:** The power cords can be led out from one pole of a given strip. This method is used to power suspended lighting fixtures.



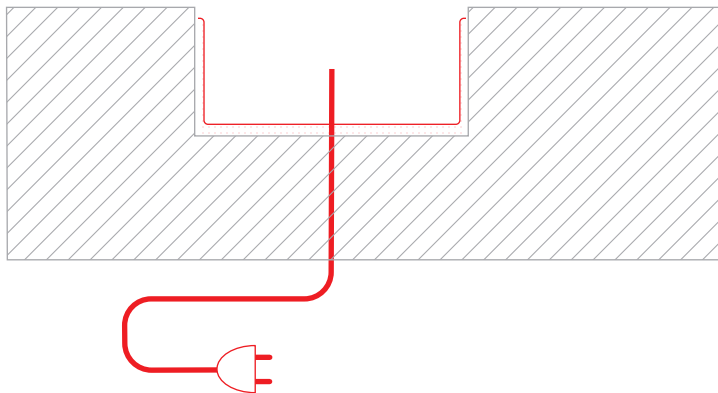
**1.** Drill a hole for the power cable in the extrusion (A) and insert the gland (B).



**2.** Feed the power cable from the LED strips (D) through the gland. Mount the LED strip (D), seal the entire assembly with silicone. Insert the cover (E) into the extrusion and seal again with silicone. Instructions for recommended sealing method is on page 3. Wait 24 hours after sealing before installing.



**3.** Feed the power cable. Spread glue in the mounting channel.



**4.** Connect power to the LED strips. Place the extrusion in the mounting channel. Leave the dilatation joint with a width of min. 0.24".

