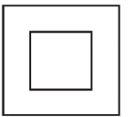


Zambezi 35

INSTALLATION MANUAL



IP20



Class II

- The protection against electric shock does not rely on basic insulation only and has supplementary insulation.
- This is achieved by means of reinforced or double insulation.

Installation Requirements

- The fixture must be supplied with 24V DC. Follow the PSU parameters for input from the socket (220 –240V AC)
- Parts of the luminaire exposed to high voltage are protected through double insulation.
- Any exposed metal parts are exposed to SELV voltages.
- Connect to an individual branch circuit.
- LLSA ensures a 2 kV surge protection on our PSU, anything out of this range will void warranty provided.
- Improper installation might cause an electric shock accident.
- Use an authorized electrical professionals to do the installation, repair and maintenance of the light fixture.
- Cut off the power before and during installation, maintenance and repair of the light fixture.
- Do not install the light fixture on top of or near hot objects to avoid damage. (For example hot gas pipes, exhaust funnels or stoves)
- Do not install the light fixture in a damp area or where liquid leakage is potential.
- Do not cover the lamp with a heat insulating material.
- Make sure no fire regulations are violated.
- Do not look directly at the light fixture for a long period of time to avoid eye damage.
- The use of third party equipment is not recommended by the manufacturer for it may lead to warranty void.
- The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

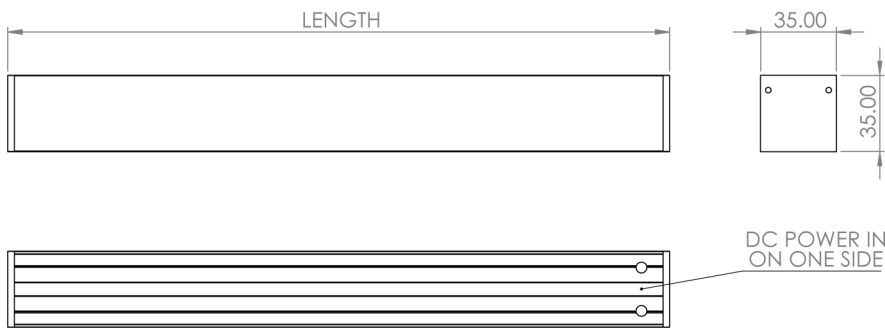
Non-user replaceable light source:

- The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

Cleaning and Maintenance of Enclosure

- Do not use solvent-based cleaning agents, this will cause cracks to form in the plastic diffuser covers.
- Clean with a damp cloth and silicone-based cleaning agent. (Such as Mr Min)

Product Information



DIMENSIONS: 35mm x 35mm x length

PRODUCT WEIGHT: 0.7kg/m

PACKAGED WEIGHT: 0.8kg/m

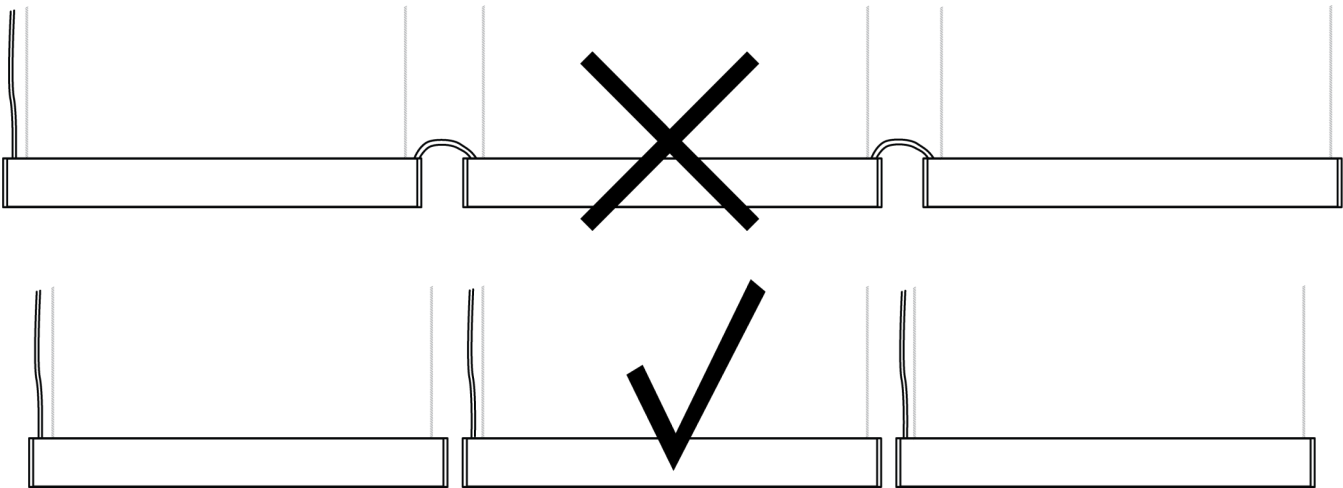
Installation Equipment & Parts List

Equipment (not included)

- Screw Driver
- M6 concrete drill bit & drill
- Spirit Level
- M6 fissure plug for suitable mounting surface type (for surface mounting)
- Small cable ties

Part list	(as specified when order placed)	Quantity
•	2m steel cable	2
•	Suspension fixture A	2
•	Suspension fixture B (Gripple Kit)	2
•	Surface mounting clips	2
•		

NOTE: This fitting is not suitable for interconnection. Each fitting has an individual power feed.



Instructions (steps to follow) - Suspension mounting A & B

STEP 1 A (Ceiling Cup): Attach the ceiling cup and cable

NOTE: The contractor is responsible for specifying the appropriate fixture for the mounting surface material. This will be mounting surface and / or project specific.

- Attach the ceiling screw base (Fig. 1) to the mounting surface with the appropriate screw type. Ensure it is secure.
- Thread the suspension cable through the ceiling cup (Fig. 2) with the ball end inside the cup.
- Screw the ceiling cup onto the fastened screw base (Fig. 3). Do so with both cups per fitting.

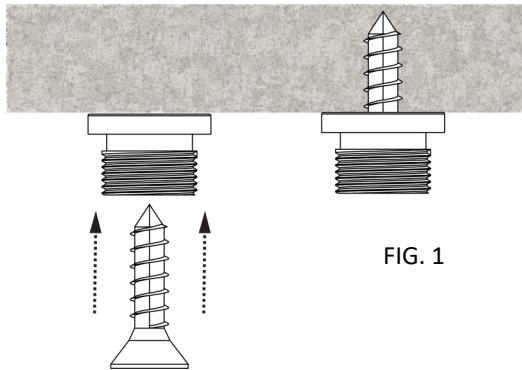


FIG. 1

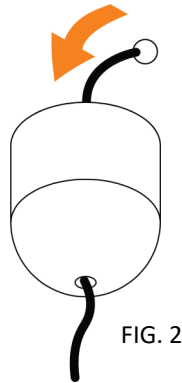


FIG. 2

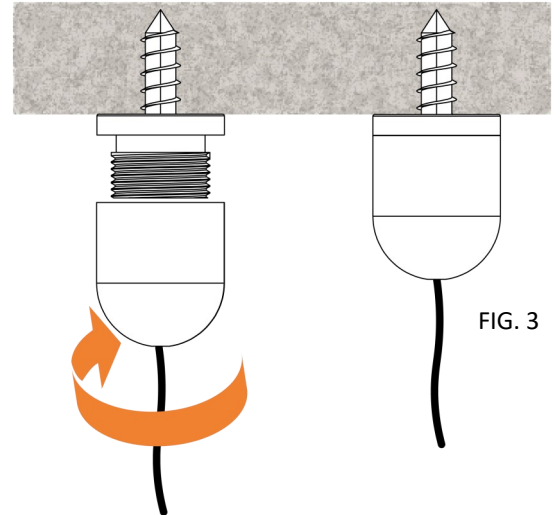


FIG. 3

STEP 1 B (Gripple kit): Mounting using a Gripple kit

- Sling the suspension cable around the mounting feature and insert into the Gripple clasp (Fig. 4).
- The standard Gripple will need a tool for release (Fig. 5). The express Gripple can be released without a tool (Fig. 6).

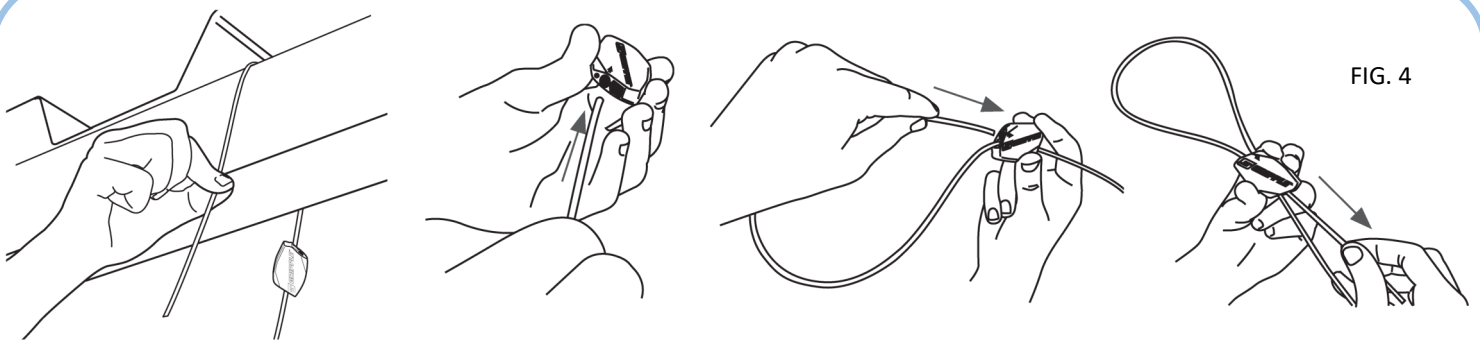


FIG. 4

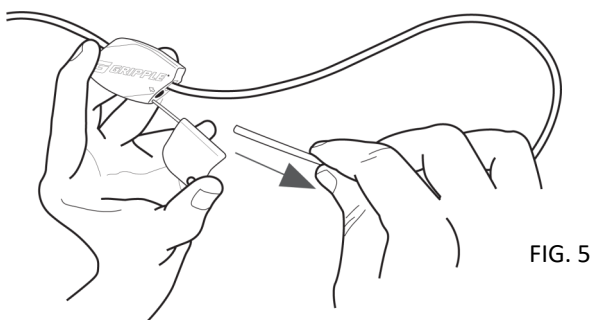


FIG. 5

Standard Gripple

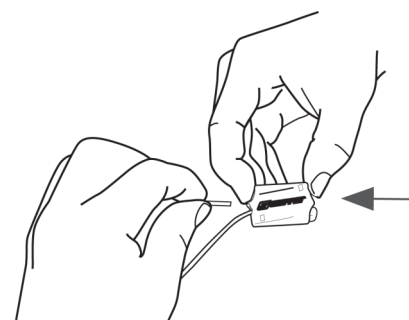


FIG. 6

Express Gripple

STEP 1.2: Attach suspension cable grip

- Do not remove the suspension fixture screw (Fig. 7). Move the screw to the desired position in the extrusion. Closer to the end caps are better and more stable.
- Secure the adjustable cable grip to the screw (Fig. 8)

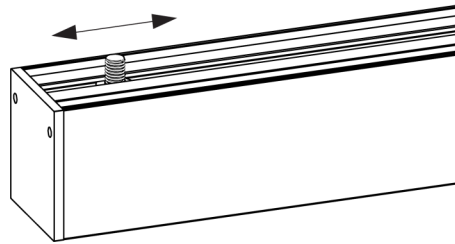


FIG. 7

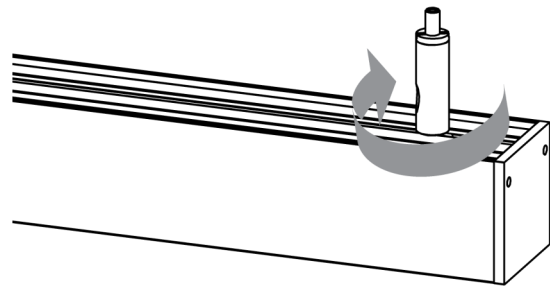
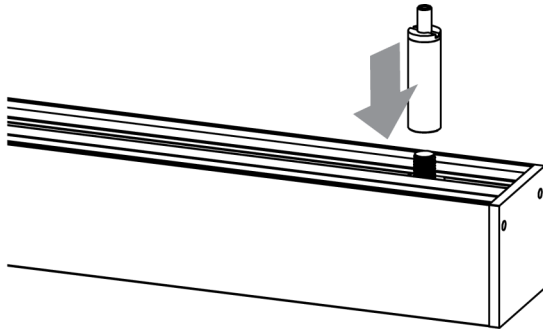


FIG. 8

STEP 1.3: Suspend the fitting

- Insert the suspension cable into the grip from the top (Fig. 9) until it passes through the exit hole.
- To extend the cable, release the grip by pressing down on the cable grip release (Fig. 10).
- Pull the cable until you have reached the desired height of the light fitting. Ensure the fitting is level (Fig. 11)
- When the fitting is secure and level, cut off the excess cable with sharp cutters, leaving about a 20mm tail (Fig.10).

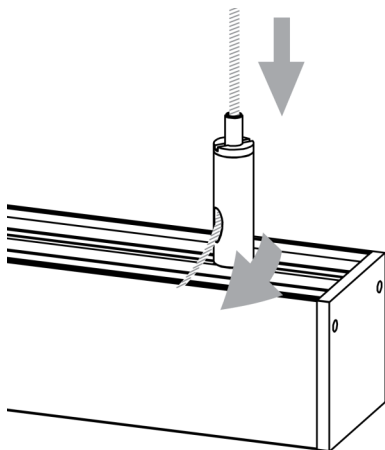


FIG. 9

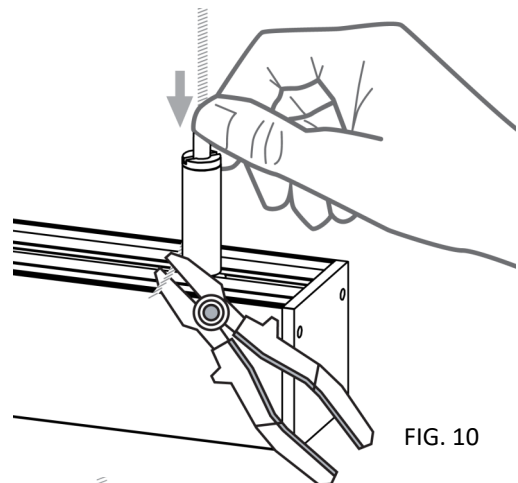


FIG. 10



FIG. 11

STEP 1.4: Connecting to power

- Feed the power cable to the power supply, if going through a ceiling board, ensure the cable has not danger of being damaged by sharp objects.
- If needed, neaten the power cable by fastening it to the suspension cable with small cable ties (Fig. 10).
- For more wiring details and information, refer to the last page.

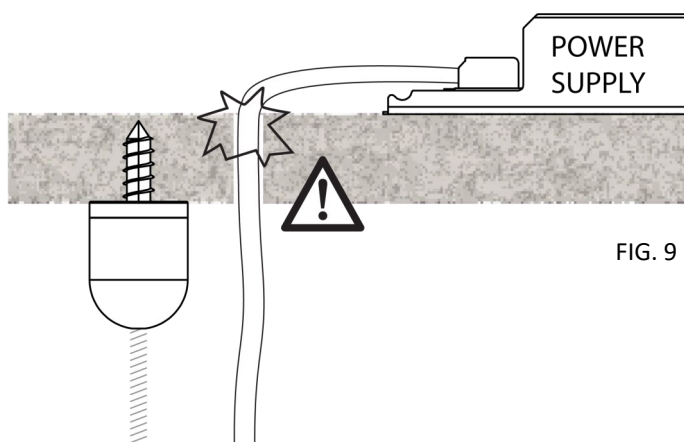


FIG. 9

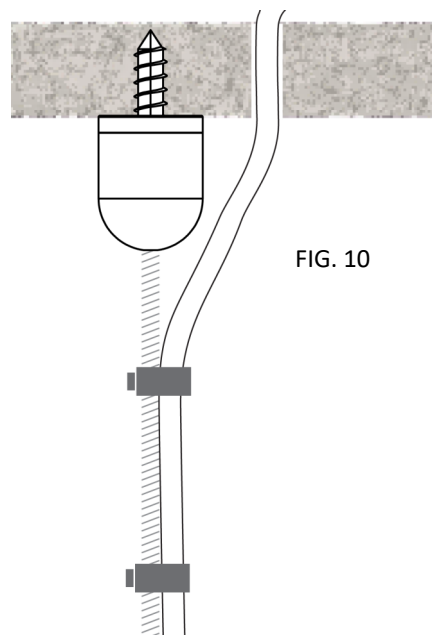


FIG. 10

Instructions (steps to follow) - Surface mounting

NOTES:

The contractor is responsible for specifying the appropriate fixture for the mounting surface material. This will be mounting surface and / or project specific.

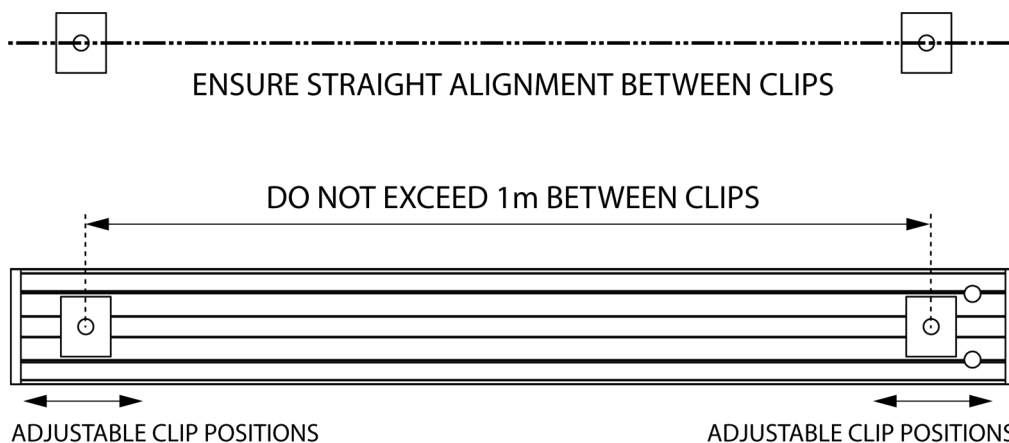


FIG. 11

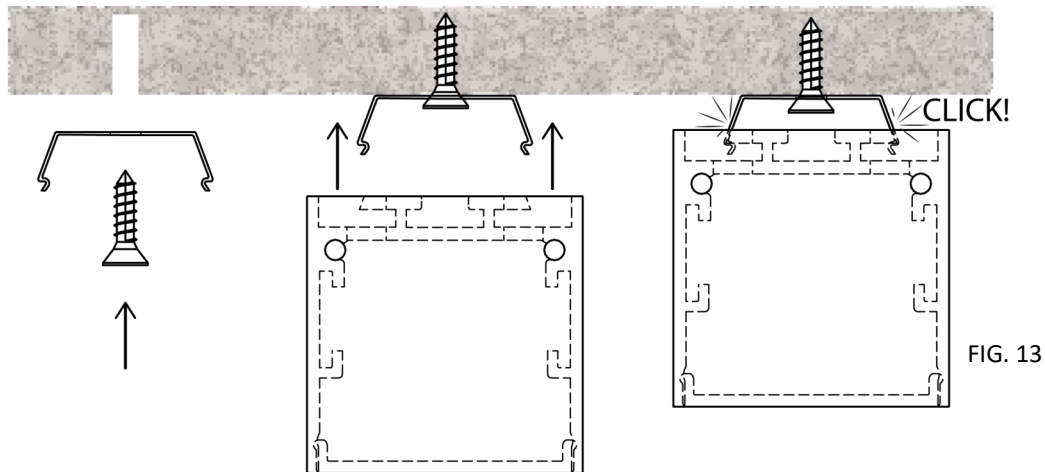
AN UNEVEN CEILING SURFACE MAY INFLUENCE MOUNTING SAFETY



FIG. 12

STEP 2 A: Cavity ceiling mounting

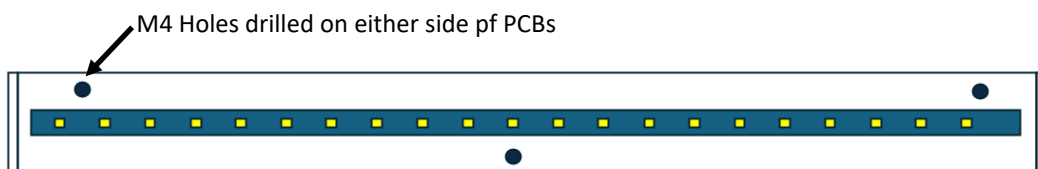
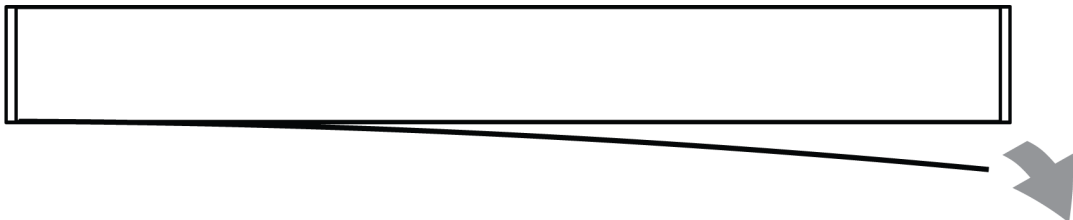
- For a cavity ceiling (dry board ceiling), attach the mounting bracket with the appropriate screw type.
- Line up the fitting and press into the mounted bracket. A loud CLICK will indicate proper connection (Fig 13).



STEP 2 B: Concrete / casted ceiling mounting

- Remove the cover and place the fitting in the appropriate position on the ceiling (Fig. 14 & Fig. 15)
- Aligning with the center of the PCB mounting hole, carefully drill through the extrusion, into the ceiling with the ceiling type appropriate drill bit (Fig. 16).

Note: Carefully drill through the PCB in order not to damage the board. The PCB hole size is M4.



STEP 2 B: Concrete / casted ceiling mounting

- No holes next to the PCB is allowed, only use the center PCB holes as position markers (Fig. 17).
- Replace the cover.
- For electrical connection, refer to the last page.
- Fixture head O.D. must not exceed 7mm.

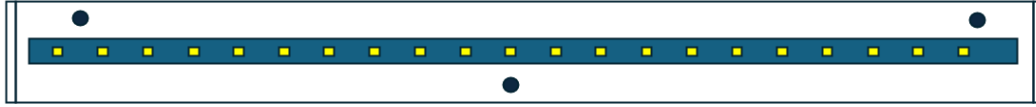


FIG. 17

Instructions (steps to follow) - End-to-end mounting

STEP 3.1: Install the end-to-end brackets

- Remove the cover. Alling and slide the end-to-end brackets in the corresponding slots (Fig. 18).
- Using the provided grub screw and allen key, fasten the end-to-end brackets in place. (Fig. 18 /19)
- NOTE: Do not over fasten— this may cause visible damage on the outside of the fitting (Fig. 19).
- Connect the next extrusion piece (Fig. 20) and ensure a flush join to avoid light leaks. Follow grub screw instructions.
- Secure the cover.

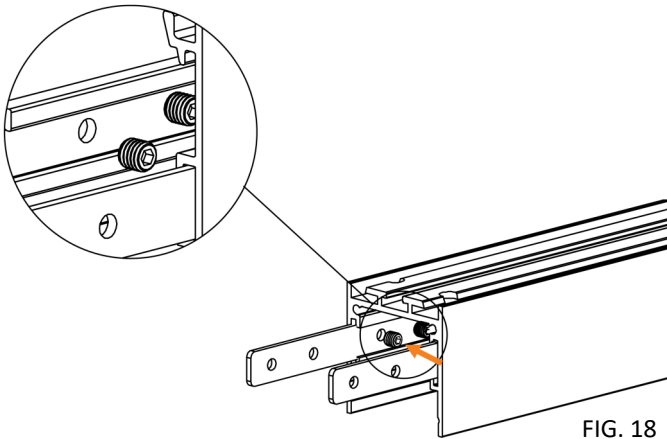


FIG. 18

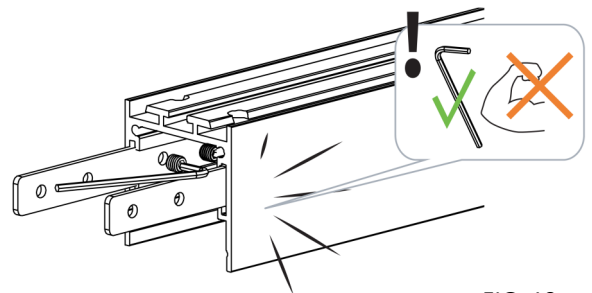


FIG. 19

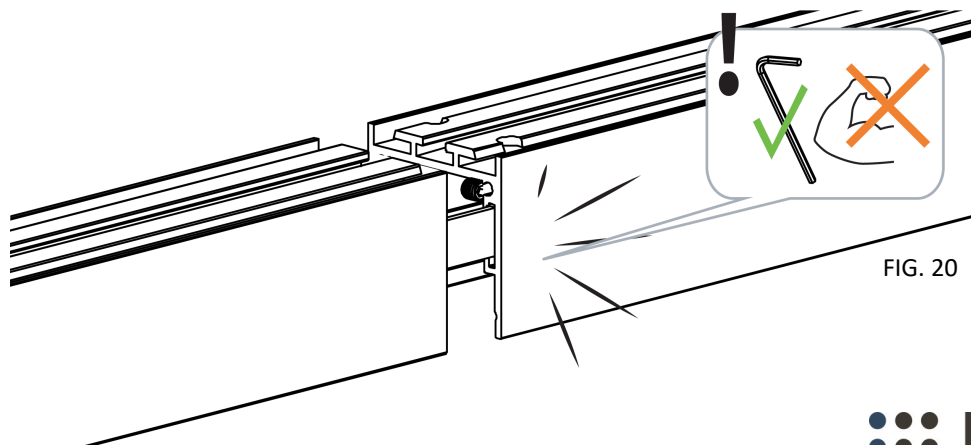
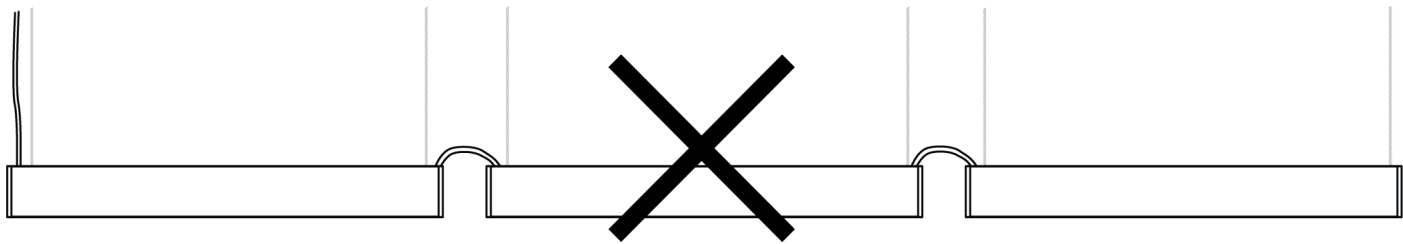


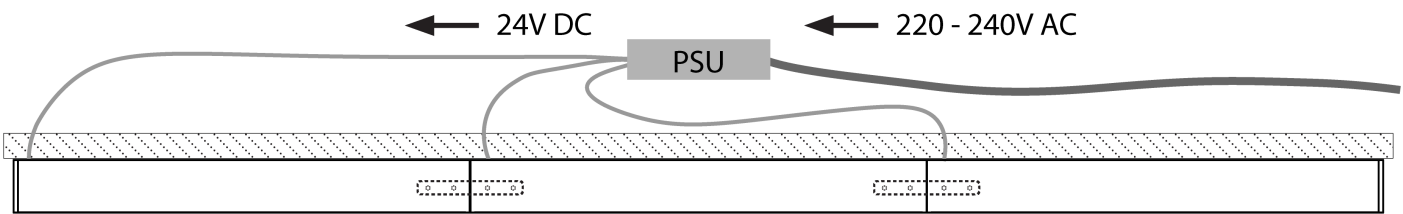
FIG. 20

Typical Installation Examples

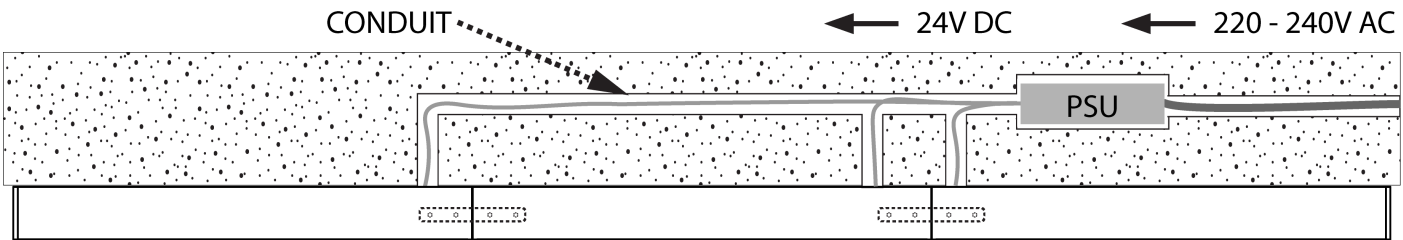
NOTE: This fitting is not suitable for interconnection. Each fitting has an individual power feed.



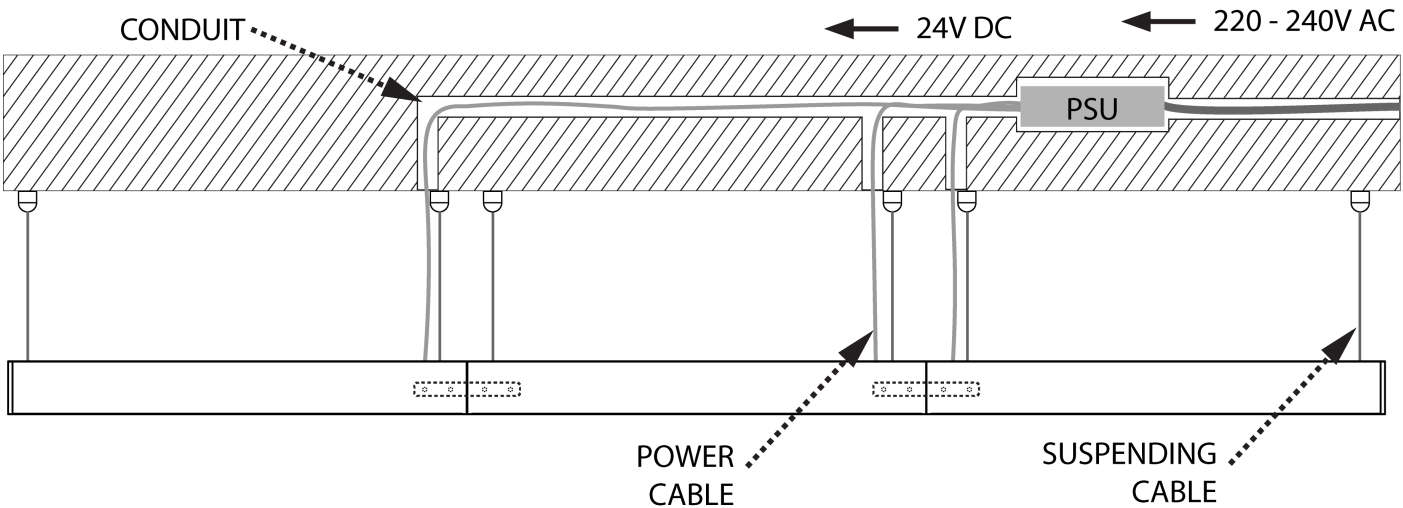
SURFACE MOUNTING: CAVITY CEILING



SURFACE MOUNTING: CONCRETE / CASTED CEILING



SUSPENDED MOUNTING*



*Follow the instructions for the appropriate ceiling type above