



How To.

INSTALLATION GUIDE

240V POWER SUPPLY

A licensed electrician must be used to install one 240V general purpose outlet for each lighting kit in accordance with the AS/NZS 3000 Wiring Rules. Position the 240V outlet on a wall or column under the patio, or as close as possible to the intended position of the lighting kit power supply/supplies.

The power to the 240V outlet can be switched on and off by connecting to a standard 240V light switch. The ideal location for this switch is next to the door leading from the house to the verandah.

Another option is to remove the 240V plug from the power supply cable and wire the supply cable into the existing 240V outdoor lighting and switches. This must be performed by a licensed electrician in accordance with the AS/NZS 3000 Wiring Rules.

ADDITIONAL INFORMATION

NEW LOUVRE PATIOS

If the lights are part of a new louvre patio installation, the controller supplied with the kit will operate both the louvre actuator and the LED louvre lights. The remote control and wall switch supplied with this kit are pre-programmed to operate both the louvres and the lights. No further programming is required.

EXISTING LOUVRE PATIOS

If the lights are to be retro-fitted to an existing louvre patio installation, the controller supplied with the retro-fit lighting kit will operate the LED louvre lights only. The louvre actuator will continue to be controlled by the existing louvre controller. The remote control and wall switch supplied with the retro-fit lighting kit are pre-programmed to operate the lights only, but they can also be paired to the existing louvre controller – refer to the instructions on the last page of this installation guide.

The Louvre Light Kit includes extra low voltage 24V wiring and LED lights that do not require installation by a licensed electrician once a 240V outlet has been installed.

Please note that these instructions must be used in conjunction with the "Outback Sunroof" or "Pavilion Allure" installation guide.

Important Warning:

The power supply is designed specifically for the LED lights in this kit. Do not connect additional lights or different types of lights as this may overload the power supply and will void the warranty.

KITS

LIGHT KIT

- 4x 5W LED Lights
- 2x 3.5m Main Cable
- 1x 6m Extension Cable
- 1x 3m Extension Cable
- 1x Heat Transfer Adhesive
- 5x 20mm Grommets

EXPANSION KIT

- 2x 5W LED Lights
- 1x 3.5m Main Cable
- 1x 3m Extension Cable
- 2x 20mm Grommets

CONTROLLER KIT

- 1x Controller
- 1x Remote Control
- 1x Wall Switch

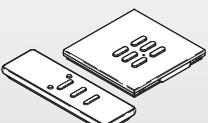
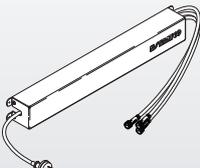
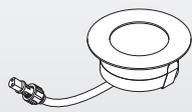
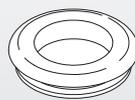
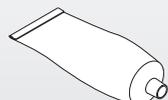
EXTRA PARTS

- 1x Controller Cover
- 2x Cover Grommets
- 4x Cover Screws

TOOLS REQUIRED

- Drill
- ø48mm Hole Saw
- ø20mm Hole Saw
- Tape Measure
- Silicone
- Knife
- Cable Pulling Tool

COMPONENTS

Remote Control & Wall Switch 	Extension Cable & Main Cable 	Controller 	5W LED Light Fixture 	20mm Grommet 	Heat Transfer Adhesive 
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STRATCO LOUVRE LIGHTING

INSTALLATION GUIDE

LOUVRE LIGHT INSTALLATION GUIDE

INSTALLING LIGHTS

Disconnect 2 louvres (4 lights) or 3 louvres (6 lights) from the link rod and remove them from the patio. The recommended position for the louvres is 1/3 of the way in from each end of the patio for the 4 light kit, or 1/4 of the way in from each end of the patio for the 6 light kit (Figure 1.0).

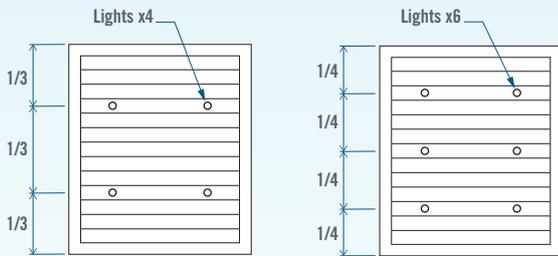


FIGURE 1.0

Measure and mark out the position of the lights along the centre line of each louvre. The recommended distance between lights is 1500mm to 2000mm (Figure 1.1). Ensure the spacing from the ends of the louvres to the holes is even at each end.

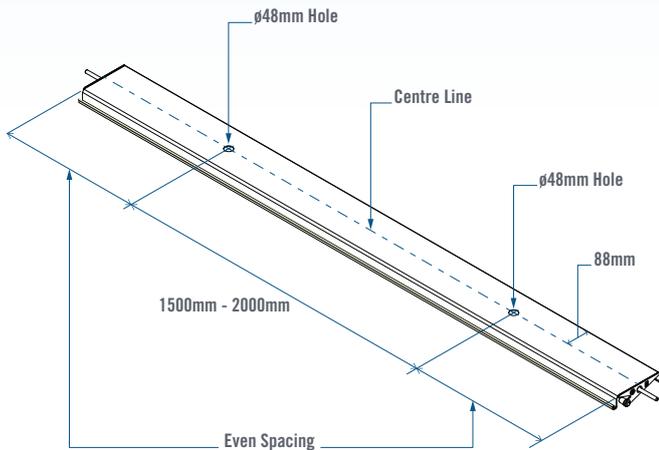


FIGURE 1.1

Using a ø48mm holesaw drill two holes for the lights in the marked positions (Figure 1.2).

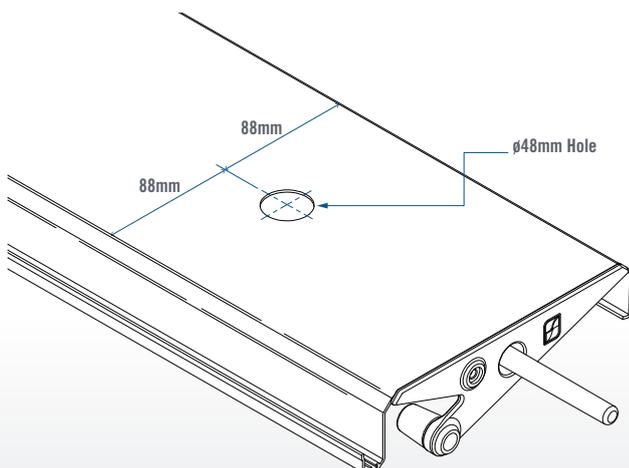


FIGURE 1.2

Determine which end of the louvre is closest to the power supply. Measure and mark the position of the cable exit hole, 50mm from the end of the louvre and 20mm from the ridge (Figure 1.3). Use a holesaw to drill a ø20mm hole in the top side of the louvre.

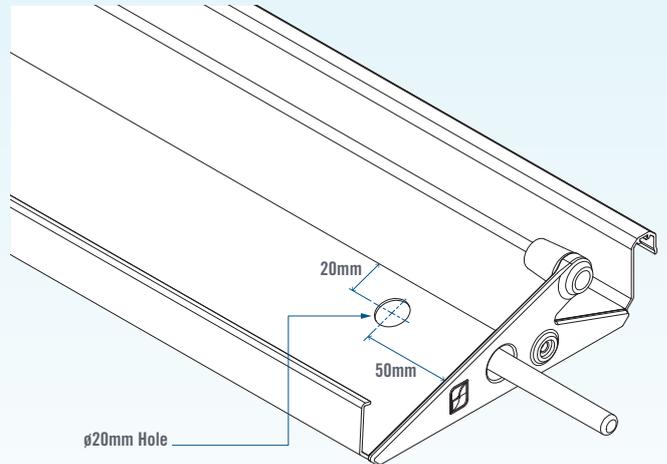


FIGURE 1.3

Remove the louvre end cap and feed the main cable through the louvre, placing the two female ends of the cable through the ø48mm light holes (Figure 1.4), and the male end of the cable through the ø20mm hole in the top of the louvre (Figure 1.5).

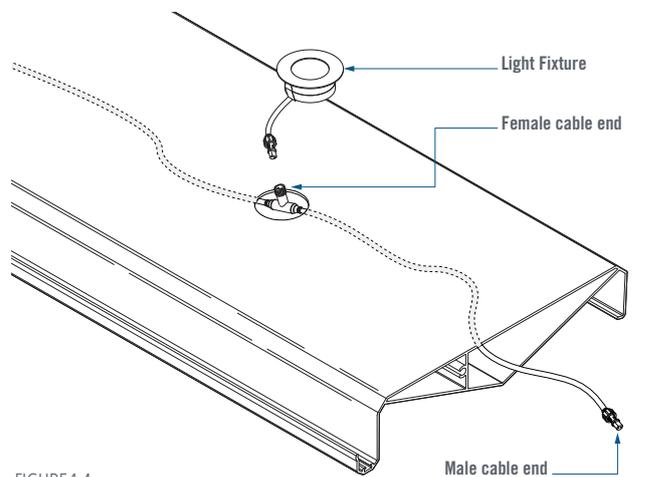


FIGURE 1.4

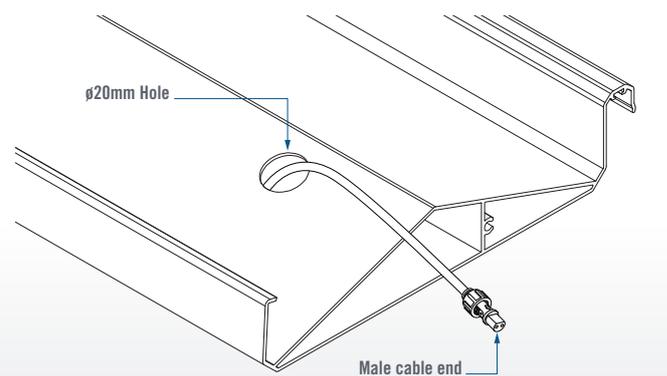


FIGURE 1.5

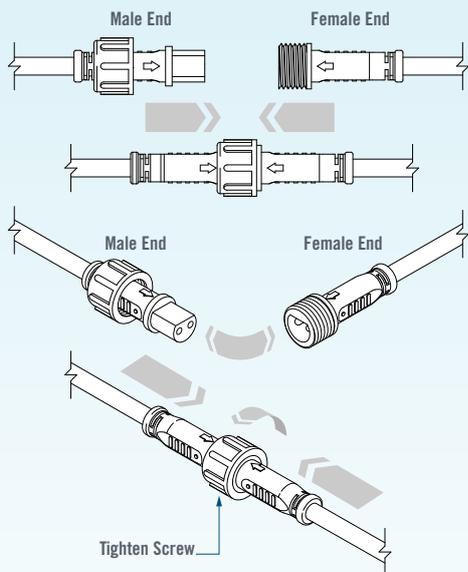


FIGURE 1.6

Connect the female cable ends to the light fixtures (Figure 1.6). Apply the supplied heat transfer adhesive all the way around the contact surface of the lights (Figure 1.7).

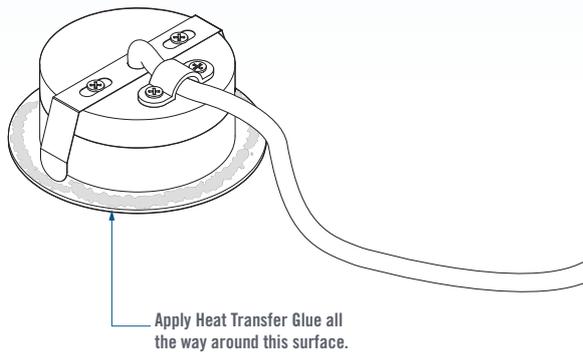


FIGURE 1.7

Push the light fixture into the louvre so that it locks into position and gently apply pressure to ensure the heat transfer adhesive is in contact all the way around the light (Figure 1.8). Wipe off any excess adhesive.

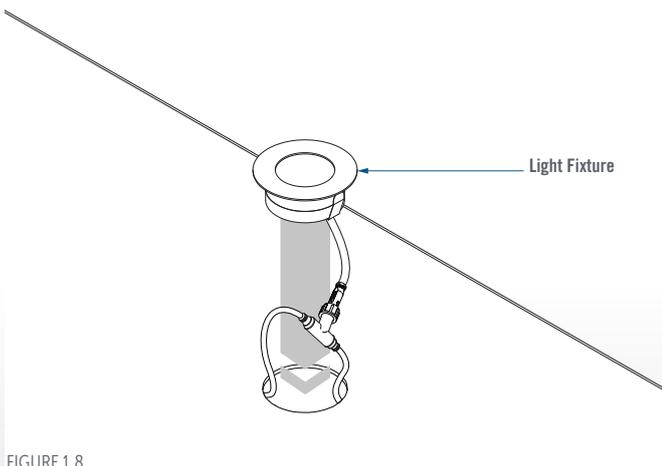


FIGURE 1.8

Drill a $\varnothing 6\text{mm}$ hole in each grommet and cut them from the edge to the hole with a sharp knife (Figure 1.9).

Fit the grommets over the cables and insert them into the $\varnothing 20\text{mm}$ hole on top of each louvre, ensuring that the concaved surface of the grommet is facing outwards (Figure 1.10).

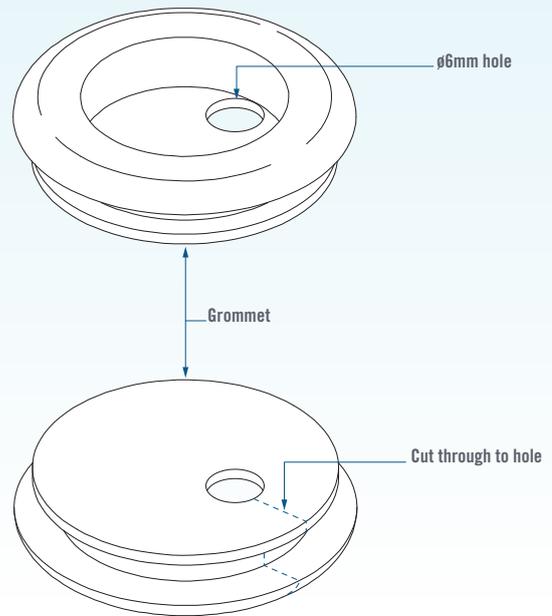


FIGURE 1.9

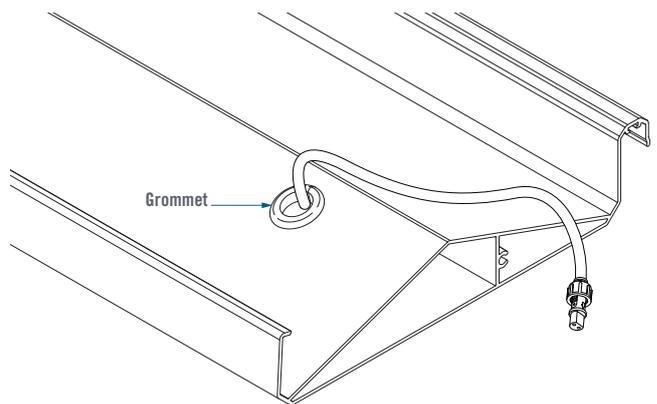


FIGURE 1.10

Replace the louvre end cap, then re-install louvres into the frame and reconnect the link rod.

LOUVRE LIGHT INSTALLATION GUIDE

INSTALLING POWER SUPPLY

The power supply control box is required to be installed in a position that is protected from direct weather and within 1800mm of a 240V power outlet. A suitable location may be against an exterior wall directly underneath the eaves. Alternatively, the box could be located within the unit box gutter, alongside the louvre actuator.

Before installing the control box, determine how many lights are being used. For four lights (two louvres) use two cables, leaving the third cable hidden inside the control box. If using six lights (three louvres) use all three cables.

Fix the control box through the four pilot holes (Figure 2.0). If fastening the control box within the box gutter use four 12x20mm self-drilling screws. If it is being fixed to an adjacent structure use fasteners suited to the material being fixed to.

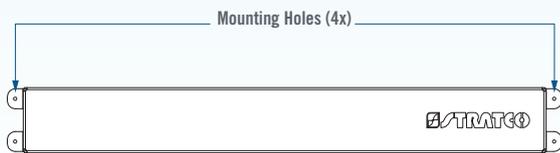


FIGURE 2.0

Measure and mark the positions for the extension cable holes on the top edge of the Mounting Extrusion or Allure beam. The holes are to be positioned half way between the square louvre mounting holes. Hole centres must be 20mm from the edge of the Mounting Extrusion which is opposite the louvre mounting holes (Figure 2.1), or 25mm from the top edge of the Allure beam (Figure 2.2). Using a $\phi 20$ mm hole saw, drill holes in the marked positions.

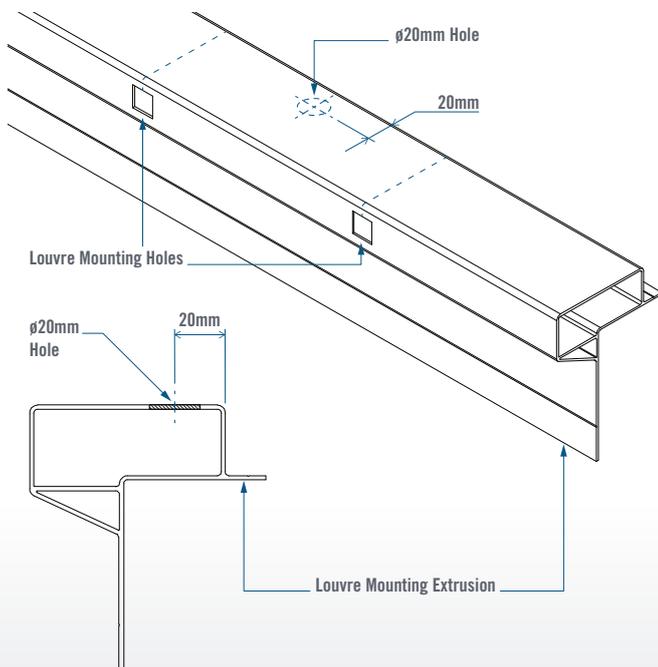


FIGURE 2.1

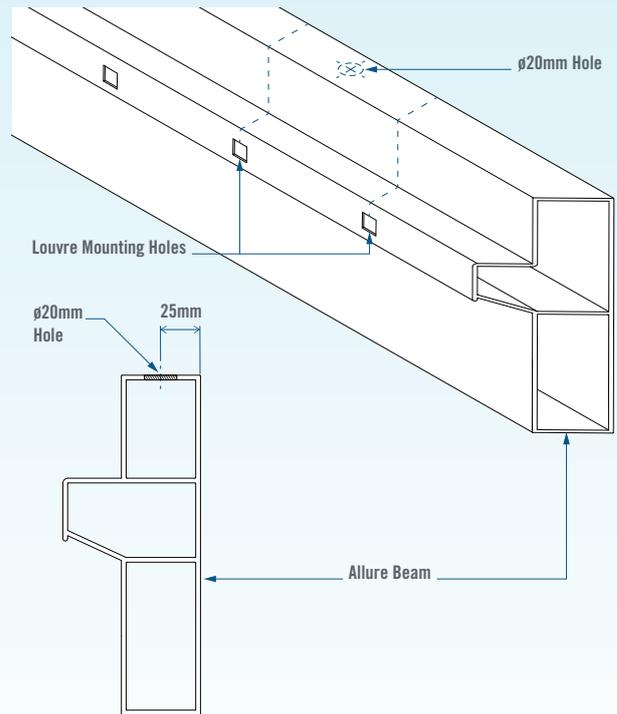


FIGURE 2.2

Feed the extension cables through the Mounting Extrusion or Allure beam using a cable pulling tool, ensuring the male end of the cable is at the power supply end (Figure 2.3). Be careful not to cut the cable on the sharp edges of the holes.

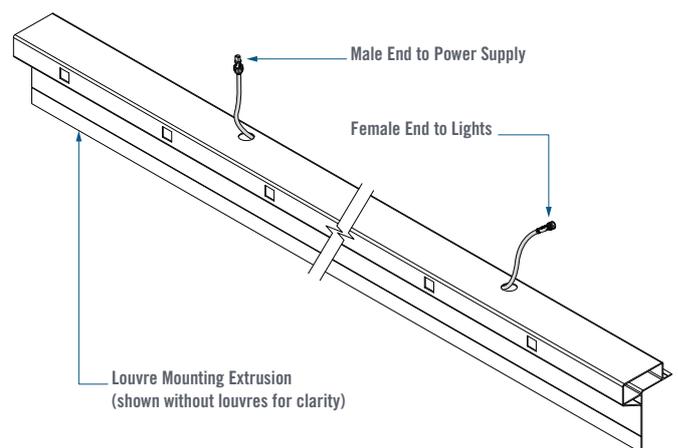


FIGURE 2.3

If the power supply is installed in the box gutter, route the cables from the power supply up and under the link rod flashing, and connect it to the extension cables that were fed through the hole in the mounting extrusion (Figure 2.4) or Allure beam (Figure 2.5).

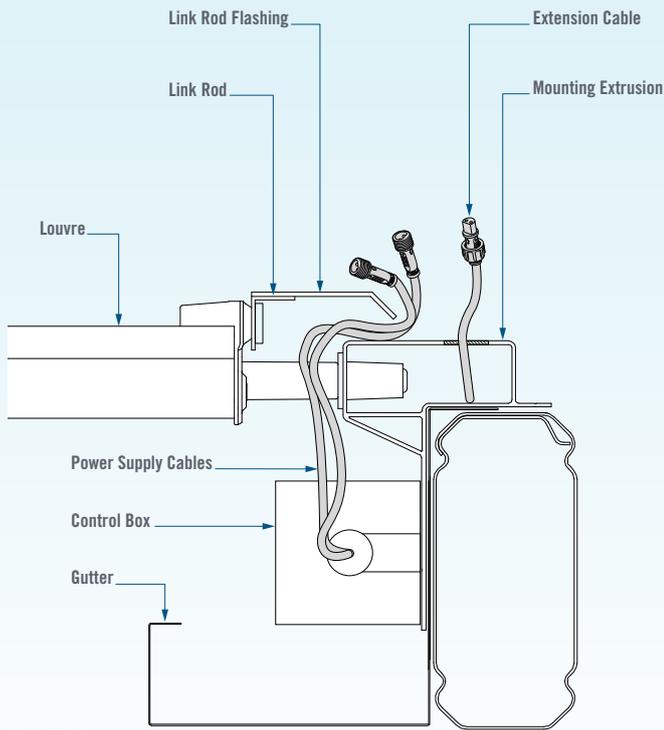


FIGURE 2.4

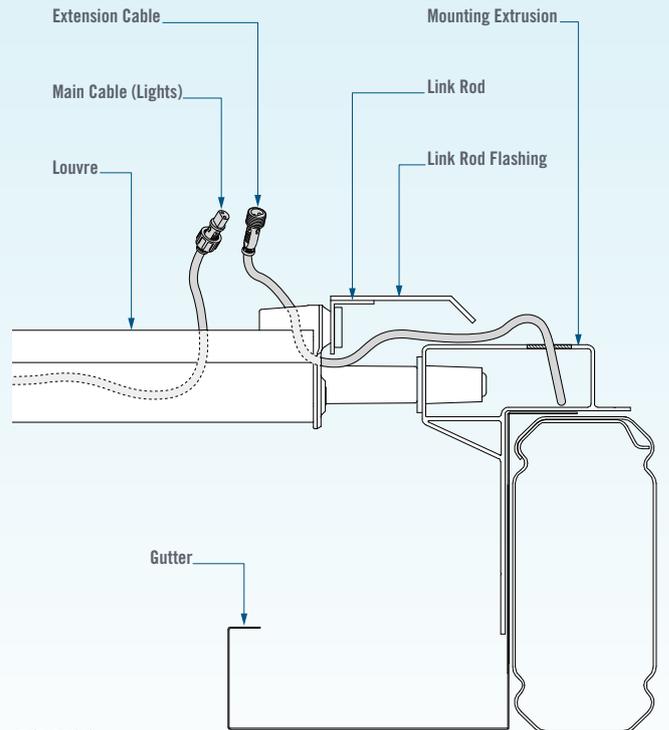


FIGURE 2.6

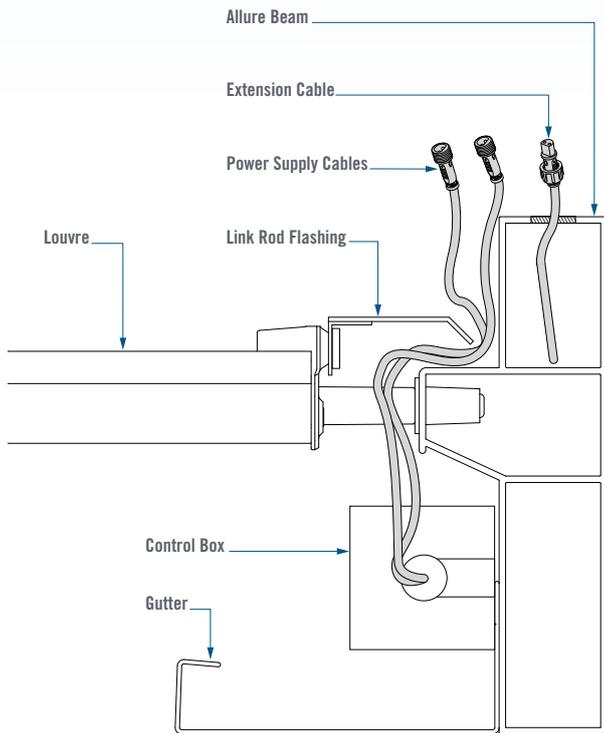


FIGURE 2.5

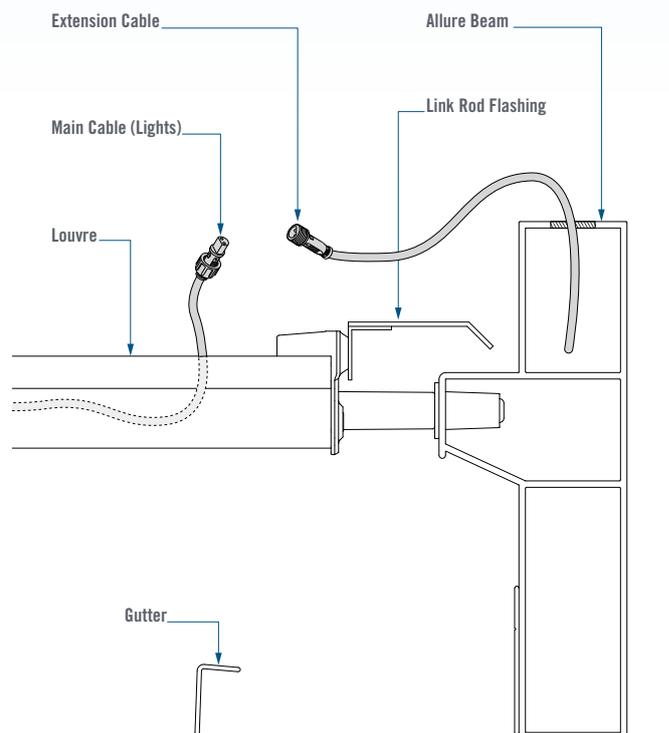


FIGURE 2.7

If installing on the Mounting Extrusion route the female ends of the extension cables underneath the Link Rod Flashing and back up towards the male end of the main cable (Figure 2.6).

Allure beam installation requires the female ends of the extension cables to pass over the top of the Link Rod Flashing towards the male end of the main cable (Figure 2.7)

Connect the extension cables to the power supply and to the main cables at each louvre, ensuring the connections are screwed tight (Figure 1.6).

Push the connectors into the Mounting Extrusion, Allure beam, or louvre to conceal the connection.

Drill a $\varnothing 6\text{mm}$ hole in each grommet and slit them with a sharp knife (Figure 1.9).



Fit the grommets to the cables and insert them into the ø20mm entry and exit holes (Figure 2.8).

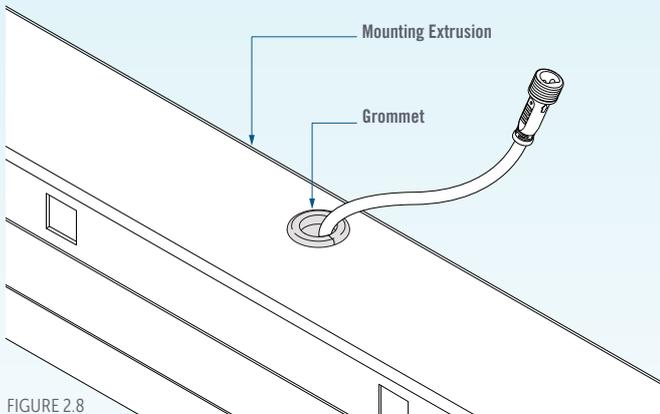


FIGURE 2.8

Carefully move the louvres through their full travel and check that the cables don't interfere. Adjust the cable lengths by pushing excess cable into the louvres, Mounting Extrusion, or Allure beam.

Connect the power supply to a 240V power outlet and switch it on.

Confirm that the lights function correctly by cycling through the settings on the remote control (Figure 2.9).

Note: If the lights are part of a new louvre patio installation, the remote control and wall switch are pre-programmed to operate both the louvres and the lights. No further programming is required.

If the lights are to be retro-fitted to an existing louvre patio installation, the remote control and wall switch are pre-programmed to operate the lights only. The remote control and wall switch will need to be paired to the louvre actuator controller as follows:

1. Select the actuator channel on the new remote control
2. Using a paper clip or pen, press the button in the back of the old remote control until a continuous beep is heard.
3. Turn the old remote over and press the open button. The beep will pause and then continue.
4. Press the open button on the new remote control. The beep will become intermittent indicating the remote control is paired to the louvre controller.
5. The old actuator remote control is no longer required and can be stored for use as a back-up.
6. Repeat steps 2, 3 & 4 for the wall switch.

To use the lights press the select buttons to select the light channel. The channel position is shown on the indicator lights. Each channel will be able to control up to three louvres (six lights).

The wall switch (Figure 2.10) can also be used to control the lights and louvres. To mount the wall switch follow the supplier's instructions provided.

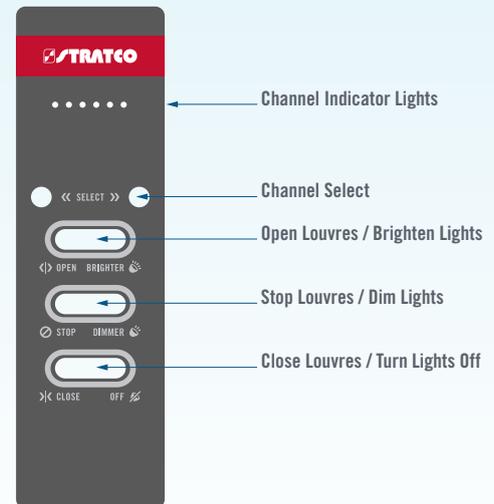


FIGURE 2.9

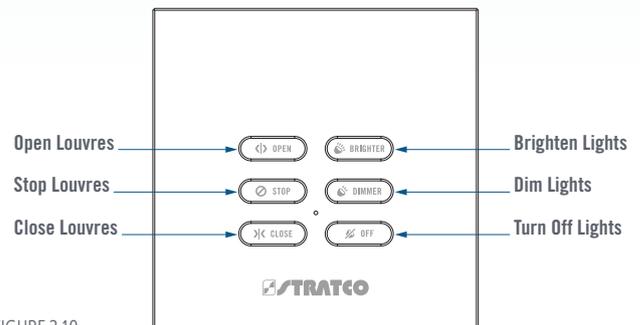


FIGURE 2.10

Seal all of the grommets and fill the concaved section with silicone to ensure water does not enter the louvres or mounting extrusion (Figure 2.11).

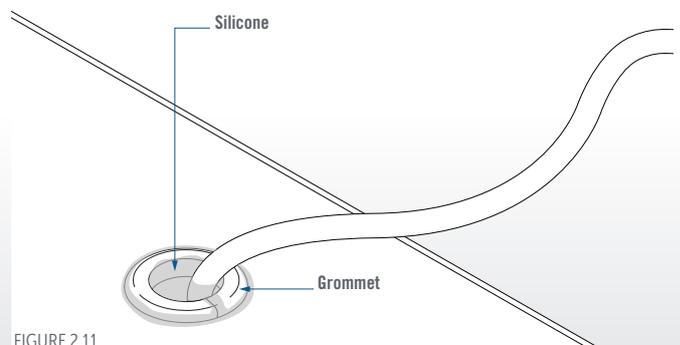


FIGURE 2.11



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