



# Opus Acoustic® Blades

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**Installation  
Instructions**

**Acoustek** 

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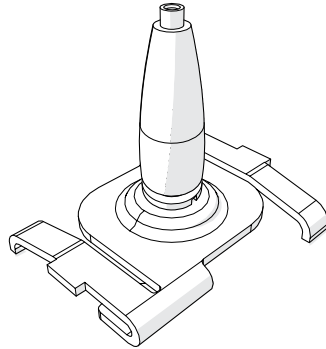
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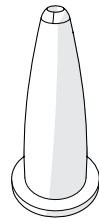
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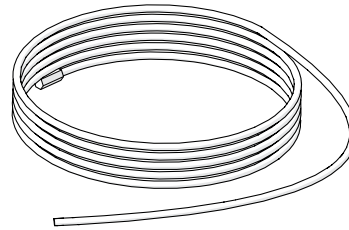
# Components Overview



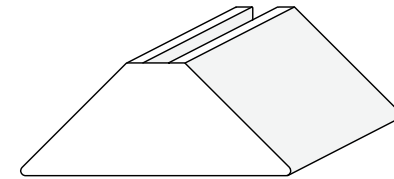
T-Grid Clip &  
Cable Adjusters



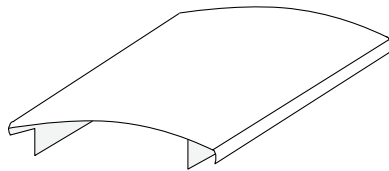
Barrel Fittings



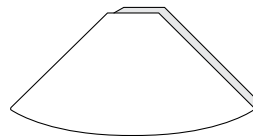
Suspension Wire



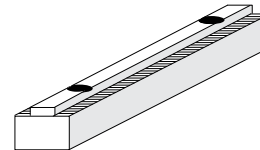
Aluminium Extrusions



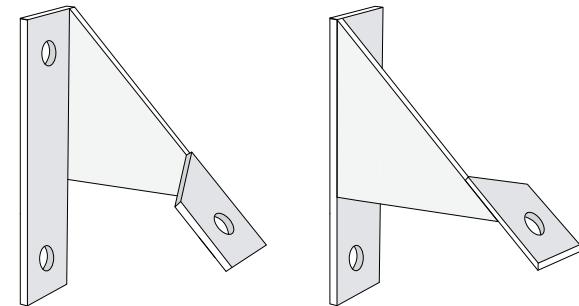
Snap Covers



End Caps



Zinc Block  
Connectors



Wall Brackets

# Direct Fix to Ceiling 1/1

The acoustic blades slide onto parallel Opus Extrusions®.

If fixing direct to the ceiling, in this kit you will find:

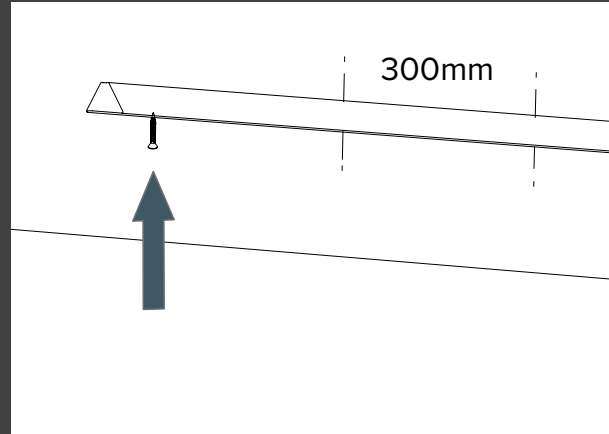
2 x 2400mm length Opus Extrusions®

12 x 2400 x 198mm acoustic blades

11 x diffuser/spacer sections

2 x End Caps

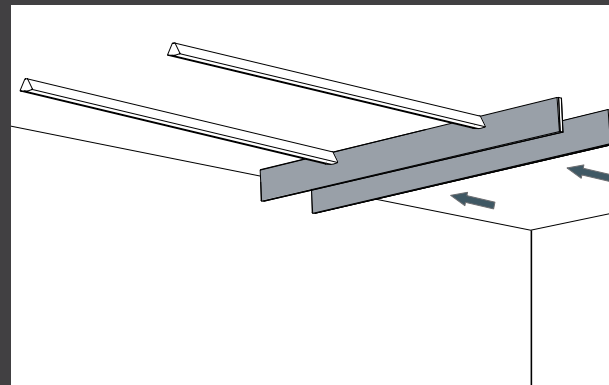
1. Layout all components for use. Prepare area and use laser level to mark out desired location.
2. Drill through the extrusion at approx 300mm intervals and ensure the relevant fixing screws locate into a structural member of the ceiling.



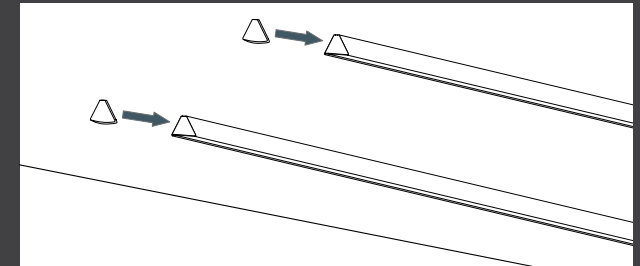
The extrusions are fixed at 1200mm centres to align with the Blade cut-outs.

Once extrusions firmly located:

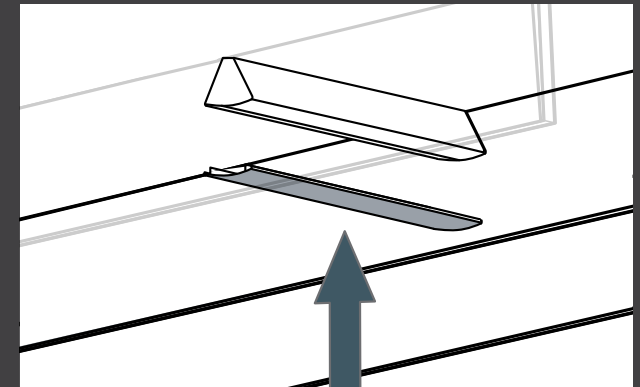
3. Slide the acoustic blades evenly onto both extrusions.



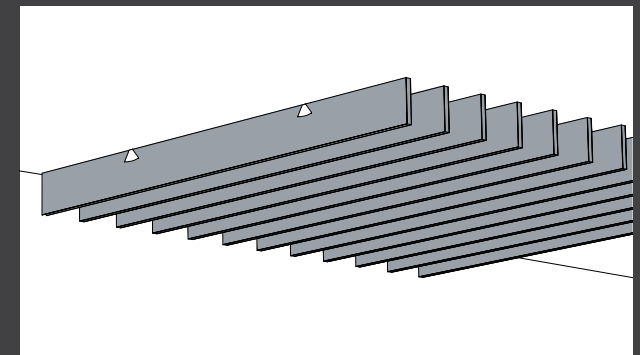
4. End Caps are supplied to locate each end blade.



5. Plastic Diffuser Spacers are provided to clip into the extrusion between each blade.



The blades are then held equally apart, the job is complete.



# Grid Ceiling - Cable Suspended 1/3

If suspended by cables from a standard grid ceiling in this kit you will find:

2 x 2400mm length Opus Extrusions®

12 x 2400 x 198mm acoustic blades

11 x Diffuser/spacer sections

2 x End Caps

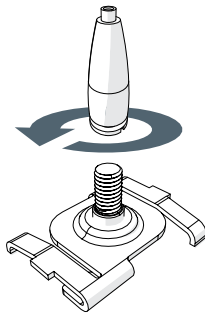
4 x Suspension wire kits

4 x M6 x 15 hex head set screws & nuts

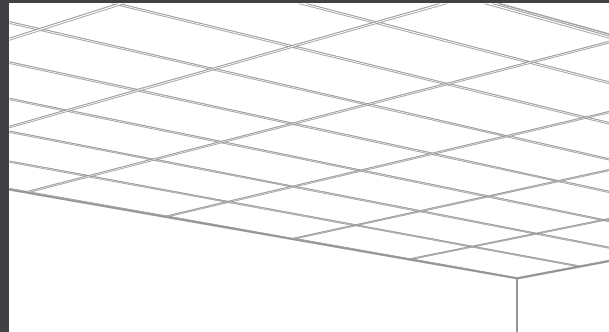
4 x T Grid Clips & Cable Adjusters

**NOTE:** T-Grid Clips come supplied with Cable Adjusters attached.

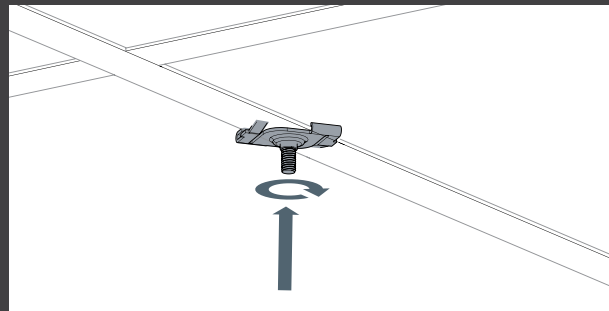
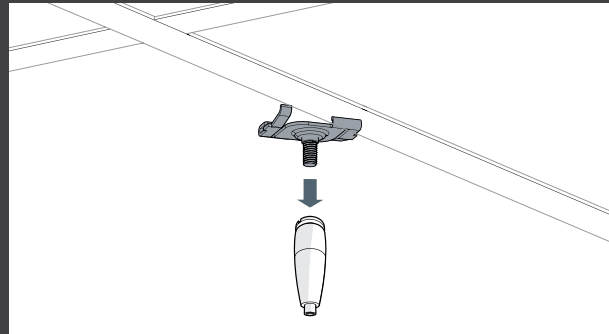
These are removed from Clips and replaced with barrel units. Once Suspension Wires inserted, Cable Adjusters are then relocated onto the extrusion's protruding M6 thread.



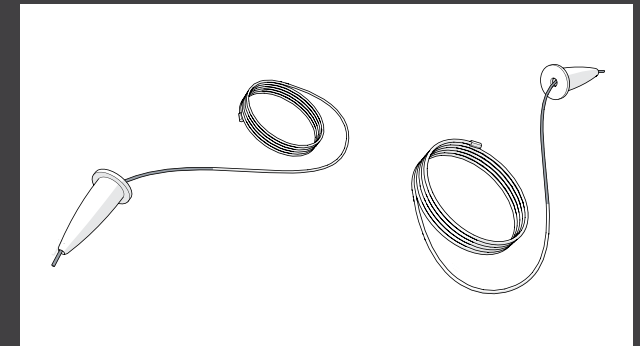
1. Layout all components for use. Ensure rigidity of ceiling grid original fixings.



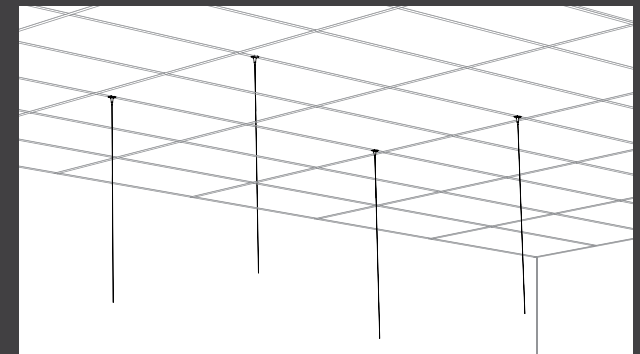
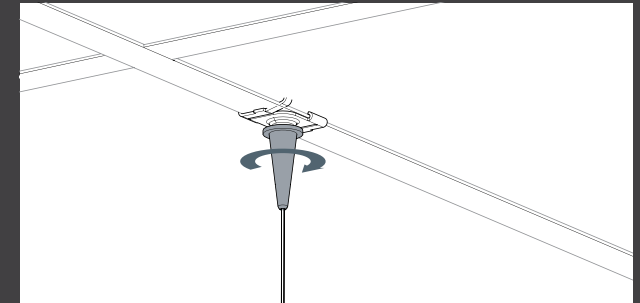
2. Remove/ unscrew Cable Adjusters from T-Grid Clips. Measure out area and attach T-Grid clips to grid ceiling system where required at 1200mm centres forming corners of a square.



3. Insert Suspension Wire through the bottom of the Barrel fitting & pull Suspension Wire all the way through till the end olive prevents further travel.



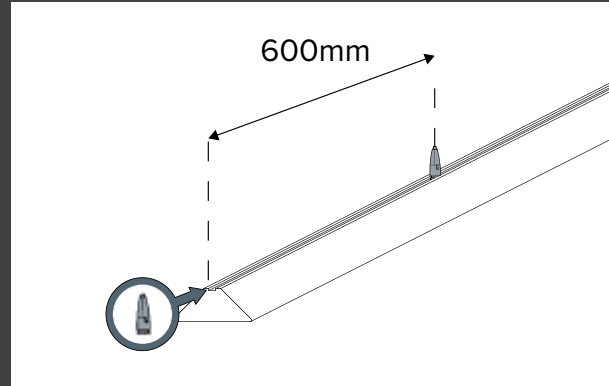
4. Screw Barrel fitting onto T Grid Clip, ensuring screwed all the way to the top of the T-Grid.



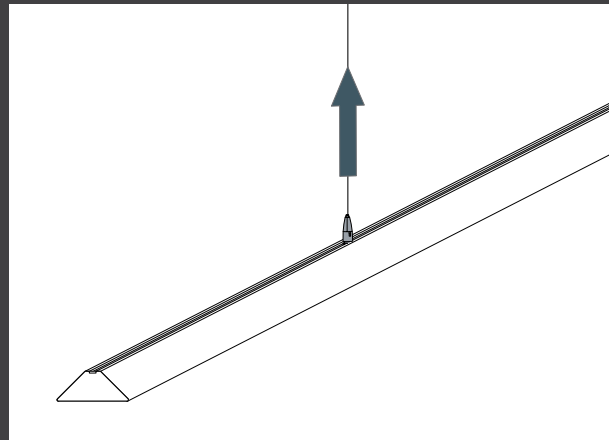
## Grid Ceiling - Cable Suspended 2/3

5. Using hex head of M6 x 15 set screws, 2 per extrusion, slide these along both extrusion's bracket slots locating each screw 600mm from each end of the extrusion, lock in place with M6 nuts provided.

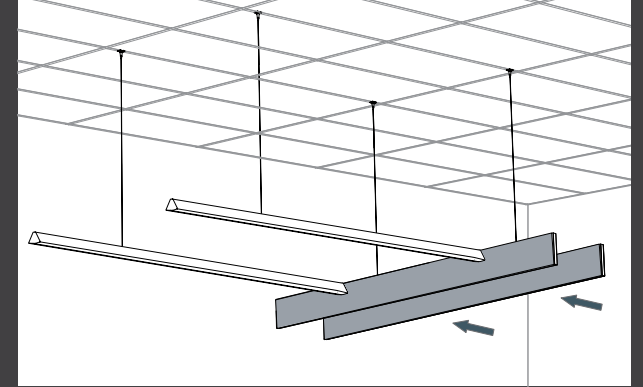
Attach cable adjusters to remaining & protruding thread of M6 set screws and tighten.



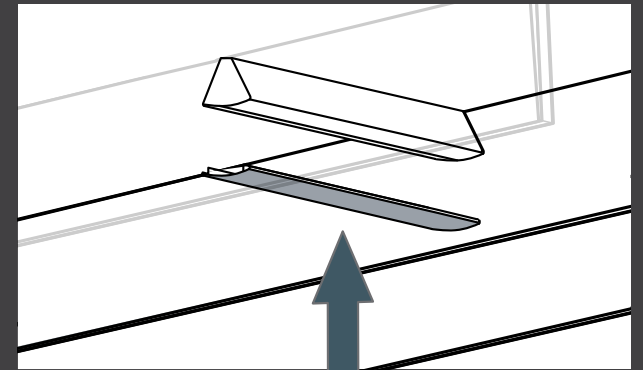
6. Insert Suspension wire through the Cable Adjuster already attached to the aluminium extrusion. Ensure the cord is threaded through the adjuster's lower exit hole. Repeat step for all suspension cords.



7. Blades can now be loaded onto the extrusions by sliding along each extrusion.

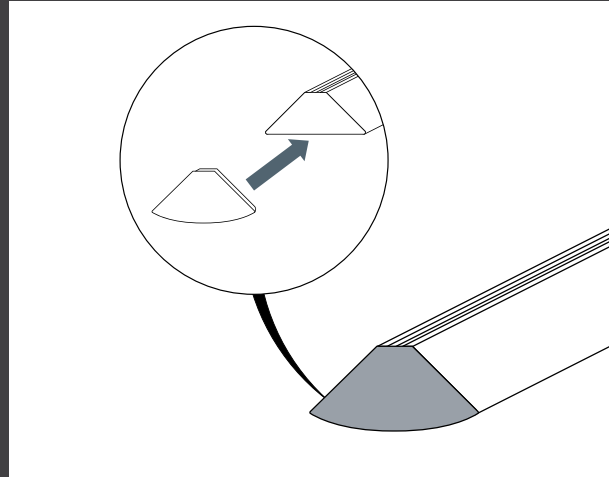


8. Plastic Diffuser Spacers are provided to clip into the extrusion between each blade.

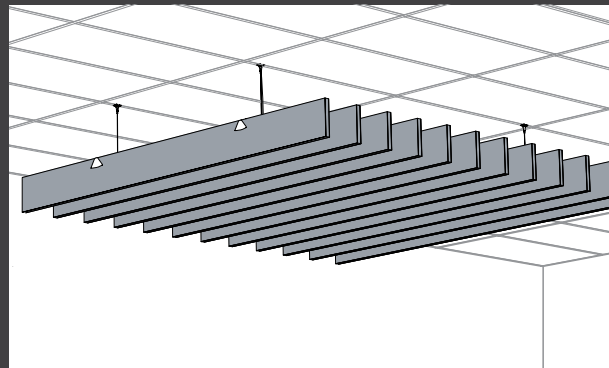


## Grid Ceiling - Cable Suspended 3/3

9. End caps are supplied to locate each end blade.

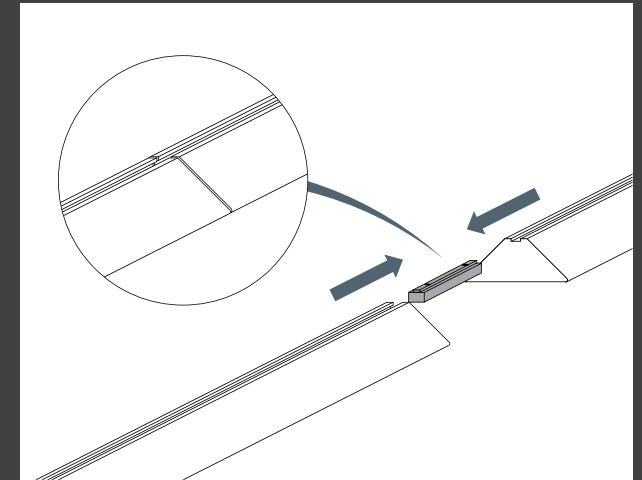


10. The assembly can now be raised to the desired height by pulling suspension wires through the adjusters - using a spirit level between the 2 x extrusions to ensure the assembly is level. Do not trim the wires to this length - slide excess wire into the extrusion's 'bracket slot'.



For modular setup use supplied connector.

Connectors supplied are a zinc block joiner with 2x M6 x 10 grub screws holding in place.





# Grid Ceiling - Clip Fitted 1/1

If fitting to grid ceiling via clips only,  
in this kit you will find:

4 x T-grid clips

4 x M6 x 12 to 15mm hex head set screws

4 x M6 standard nuts

4 x M6 coupler nuts

2 x 2400mm length Opus Extrusions®

2 x Opus Extrusion® End Caps

22 x Opus Extrusion® diffuser spacers

24 x Opus design acoustic blades

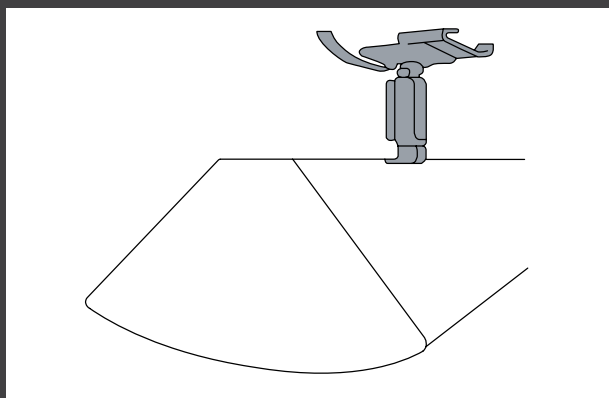
Occasionally a grid ceiling can be too low already to accommodate cable hung Blades - this method provides only 25mm gap from the grid.

As per the photo below - using a coupler nut attached to the T-grid clip, this nut being of extended length, will screw onto the protruding M6 thread and attach the clip to the extrusion - there is sufficient thread to capture both clip and extrusion.

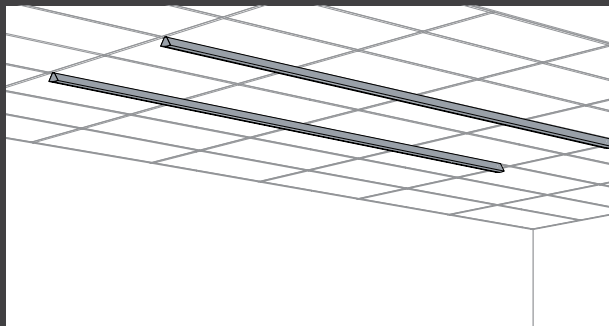
Doing this twice on each extrusion thereby supporting the extrusions onto an existing ceiling grid.



1. Using M6 x 15 set screw slide head into extrusion bracket slot with thread protruding.
2. Locate set screws at 600mm in from each extrusion end with locknut tightened against extrusion.
3. Using M6 coupler nut screw onto thread protruding beyond locknut.
4. Screw M6 thread of T-grid clips into the coupler nuts, ensuring only slight unwind of grid clip & extrusion assembly when locating/locking clips onto the ceiling grid.

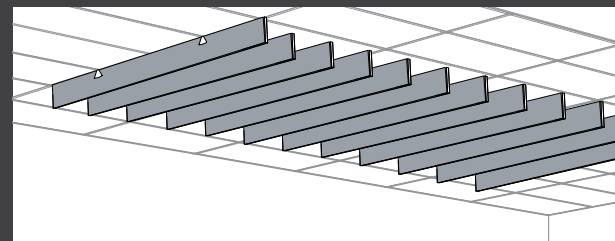


5. Lift the extrusion into position and lock both T-grid clips onto the ceiling grid.
6. Both extrusions are fixed at 1200mm centres directly onto the grid frame to align with the Blade cut-outs.

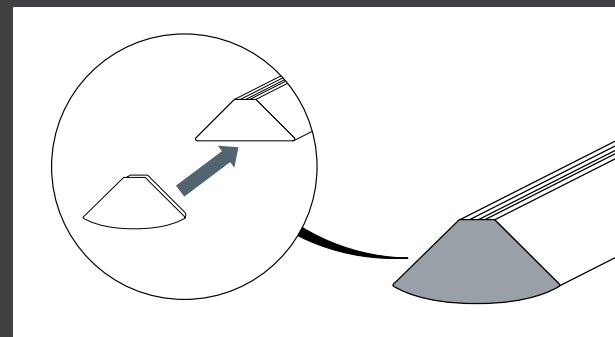


Once extrusions firmly located:

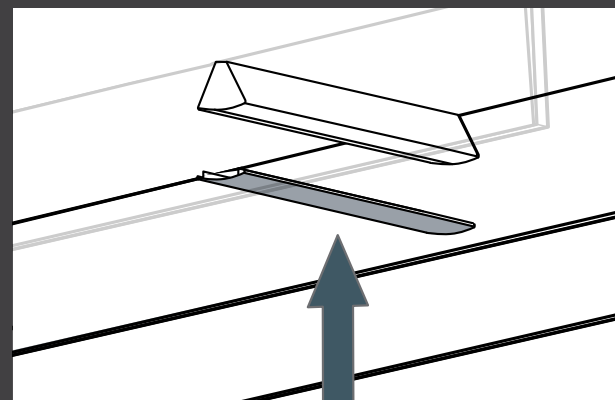
7. Slide the acoustic blades evenly onto both extrusions.



8. End Caps are supplied to locate each end blade.



9. Plastic Diffuser Spacers are provided to clip into the extrusion between each blade. The blades are then held equally apart, the job is complete.





# Cable Suspended from Concrete Sub-Ceiling 1/2

If fitting via Cable suspension from concrete sub-ceiling, in this kit you will find:

4 x concrete dowels

4 x M6 x 12 to 15mm hex head set screws

4 x M6 standard nuts

4 x cable adjuster assemblies

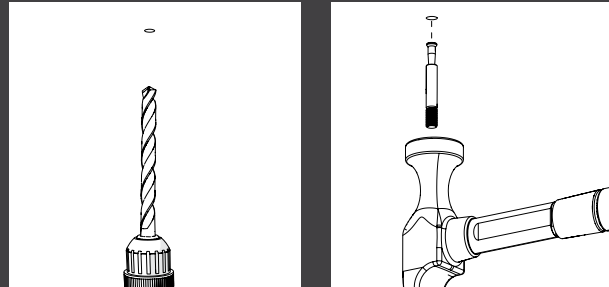
2 x 2400mm length Opus Extrusions®

2 x Opus Extrusion® End Caps

22 x Opus Extrusion® diffuser spacers

24 x Opus design acoustic blades

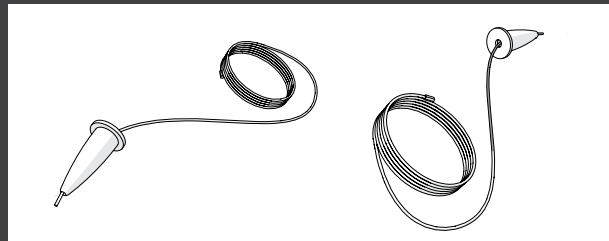
1. Layout all components for use. Prepare area and use laser level to mark out desired location on sub ceiling.  
The 4 suspension wires to be located at 1200mm centres forming the corners of a square.



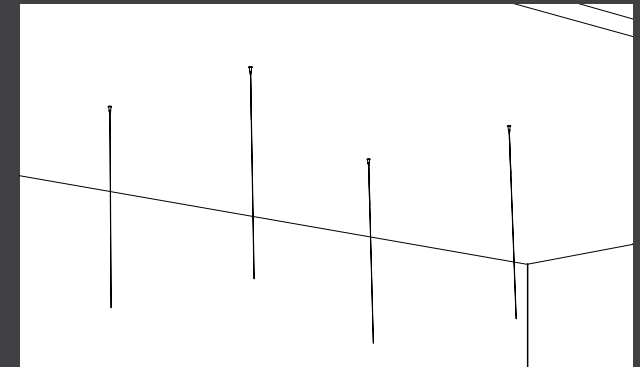
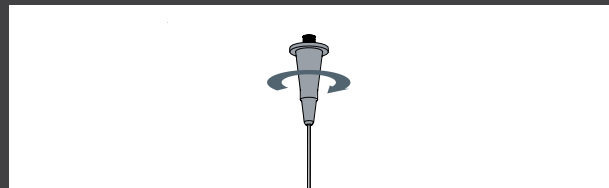
2. Concrete Dowels are located firmly into the concrete substrate at those corner locations.

Concrete Dowels have a M6 thread protrusion onto which the Barrel fitting is located.

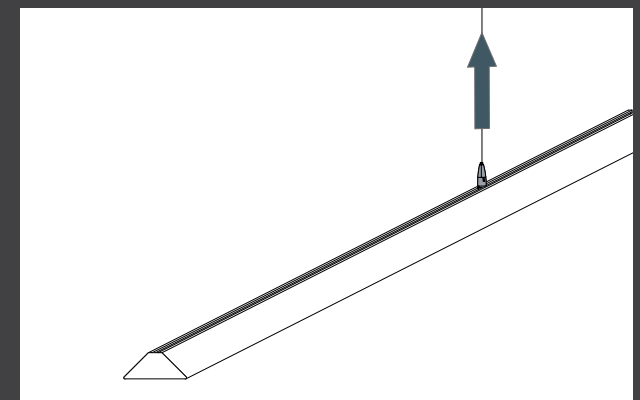
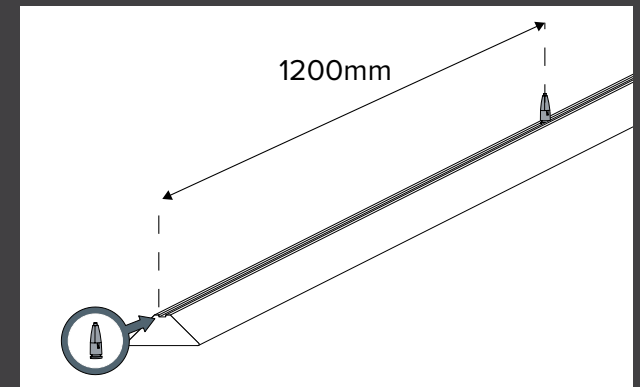
3. Insert the suspension wire through the Barrel fitting, pull through until the end olive prevents further travel.



4. The 4 x Barrel/wire assemblies are then screwed onto the 4 x M6 protruding threads of the Concrete Dowels.

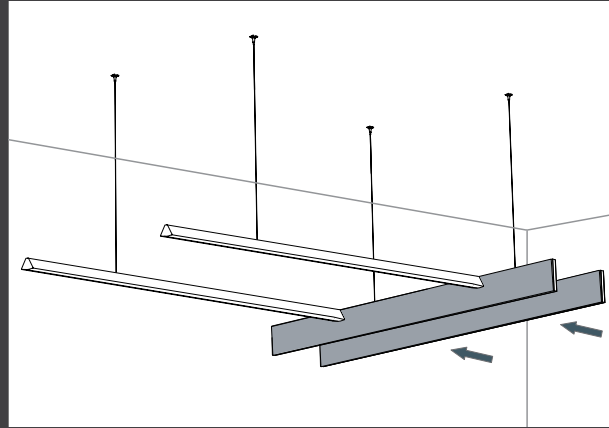


5. Hex Head M6 machine screws are located equidistant at 1200mm centres along the extrusion, their protruding threads locating the cable adjusters onto the extrusion.

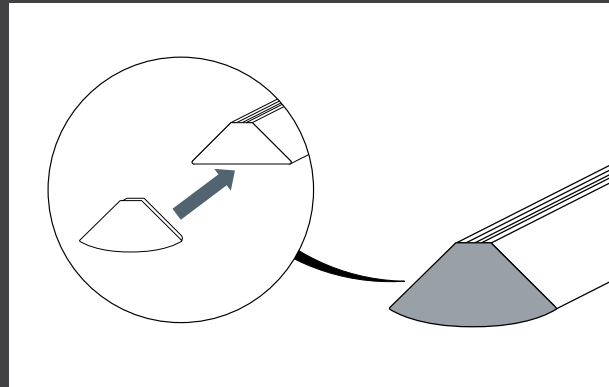


## Cable Suspended from Concrete Sub-Ceiling 2/2

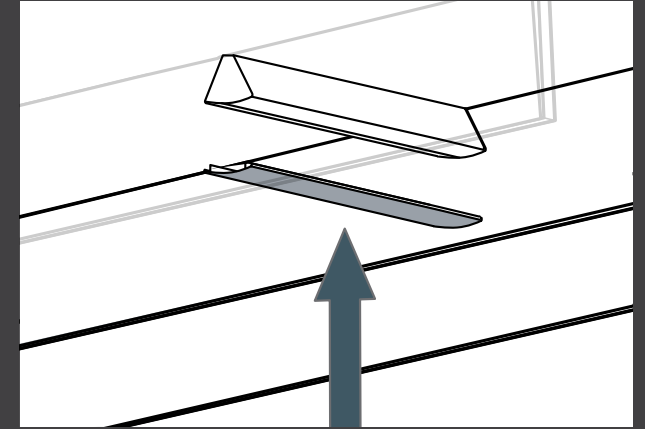
- Both extrusions are then lifted and located onto the hanging suspension wires at roughly same height.
- Blades can now be loaded onto the extrusions by sliding along each extrusion.



- End Caps are supplied to locate each end blade.

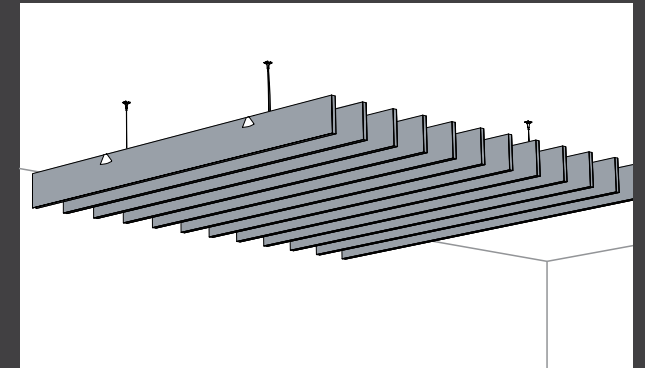


- Plastic Diffuser Spacers are provided to clip into the extrusion between each blade.



- The assembly is now raised into position at the desired height - using a spirit level between the 2 x extrusions to ensure the assembly is level.

Do not trim the wires to this length - place excess wire into the extrusion 'bracket slot'.



# Vertical Wall Blade Installation 1/2

If fitting Opus acoustic blades to walls, in this kit you will find:

4 x Wall Brackets (1 pair per extrusion)

4 x M6 x 12mm hex head set screws & nuts

2 x 2400mm length Opus Extrusions®

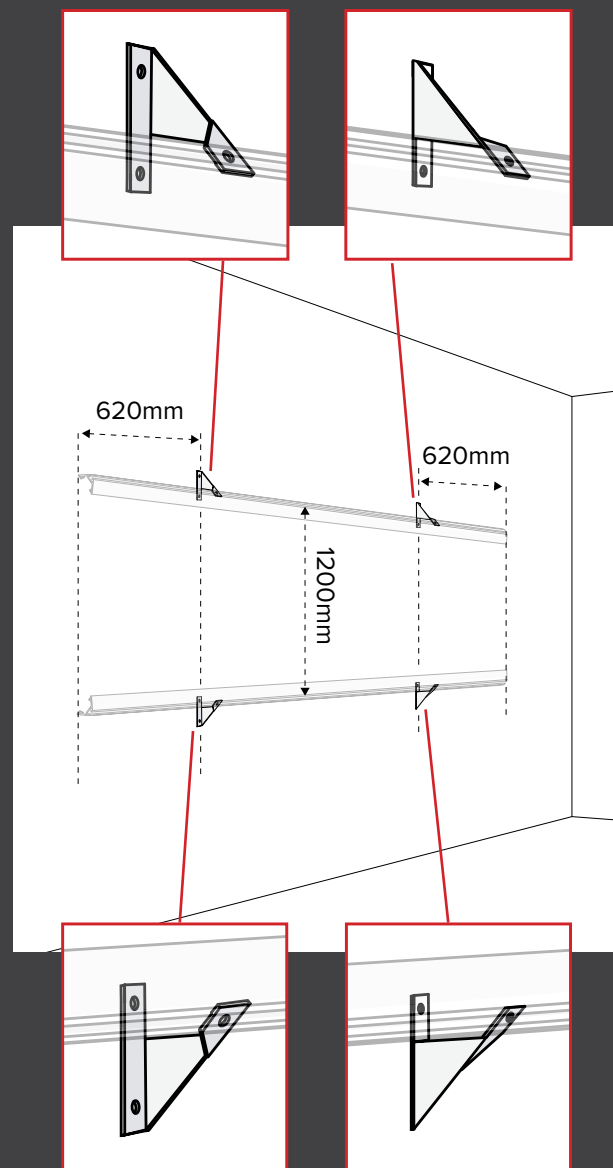
22 x Opus Extrusion® diffuser spacers

24 x Opus design acoustic blades

LED lighting strips can be fitted to the extrusions prior to installation, the 'pig tail' connections to each strip can be concealed within the extrusion's location slot and/or blades to the desired outlet where a transformer can be located.

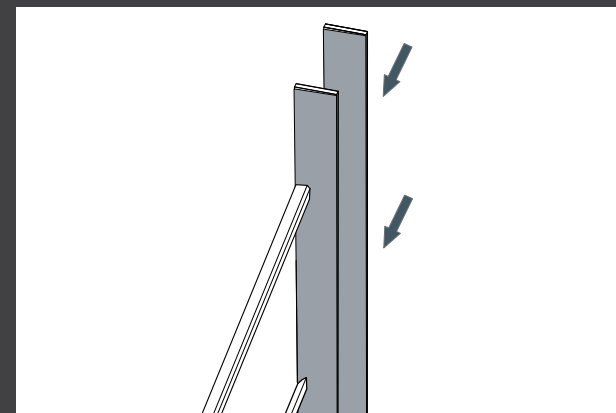
The resultant 'wall wash' lighting effect of the LEDs can then be controlled via remote dimmer.

1. Pair and Position Wall Brackets as shown. With flat sides facing each other, locate securely onto the wall with flat side of brackets at 620mm in from each end of the proposed extrusions' location.



2. Ensure area is clean. 12 blades are placed on end and the extrusions threaded through each of the blade support apertures - this positions the extrusions at 1200mm centres.

NB: If Melody blades ensure different height blades alternate with each other.

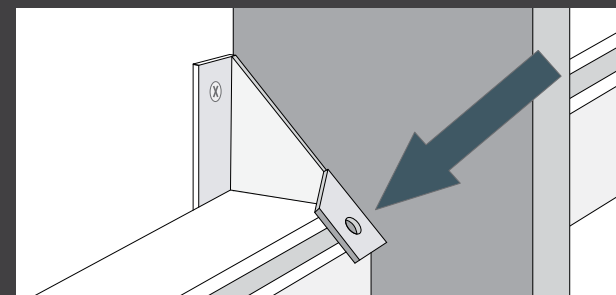


3. Keeping the 12 blades to the centre of the extrusions - lift the assembly onto the brackets.

Locate the extrusions onto the brackets using the hex head of the M6 x 12mm set screws.

Insert into the extrusion's bracket slot, slide set screws along until bracket location flap is aligned. Insert each thread protrusion and tighten onto the bracket using M6 nuts provided.

Each of the paired brackets will then be positioned adjacent to the face of an acoustic blade.

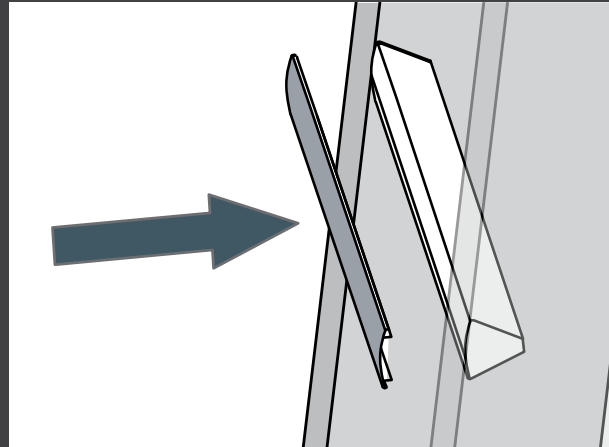


## Vertical Wall Blade Installation 2/2

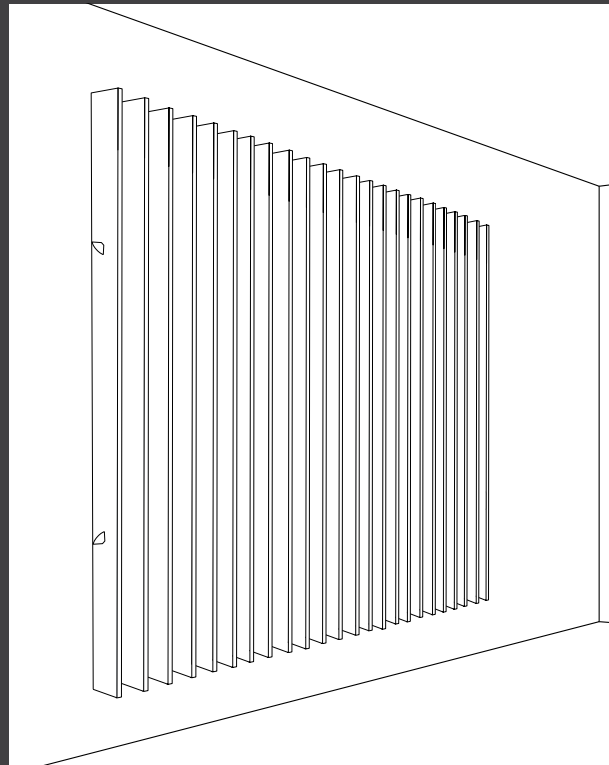
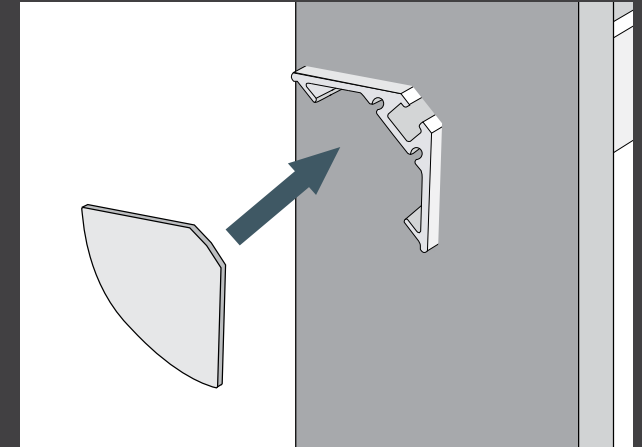
LED lighting strips can be fitted to the extrusions prior to installation, the 'pig tail' connections to each strip can be concealed within the extrusion's location slot and/or blades to the desired outlet where a transformer can be located.

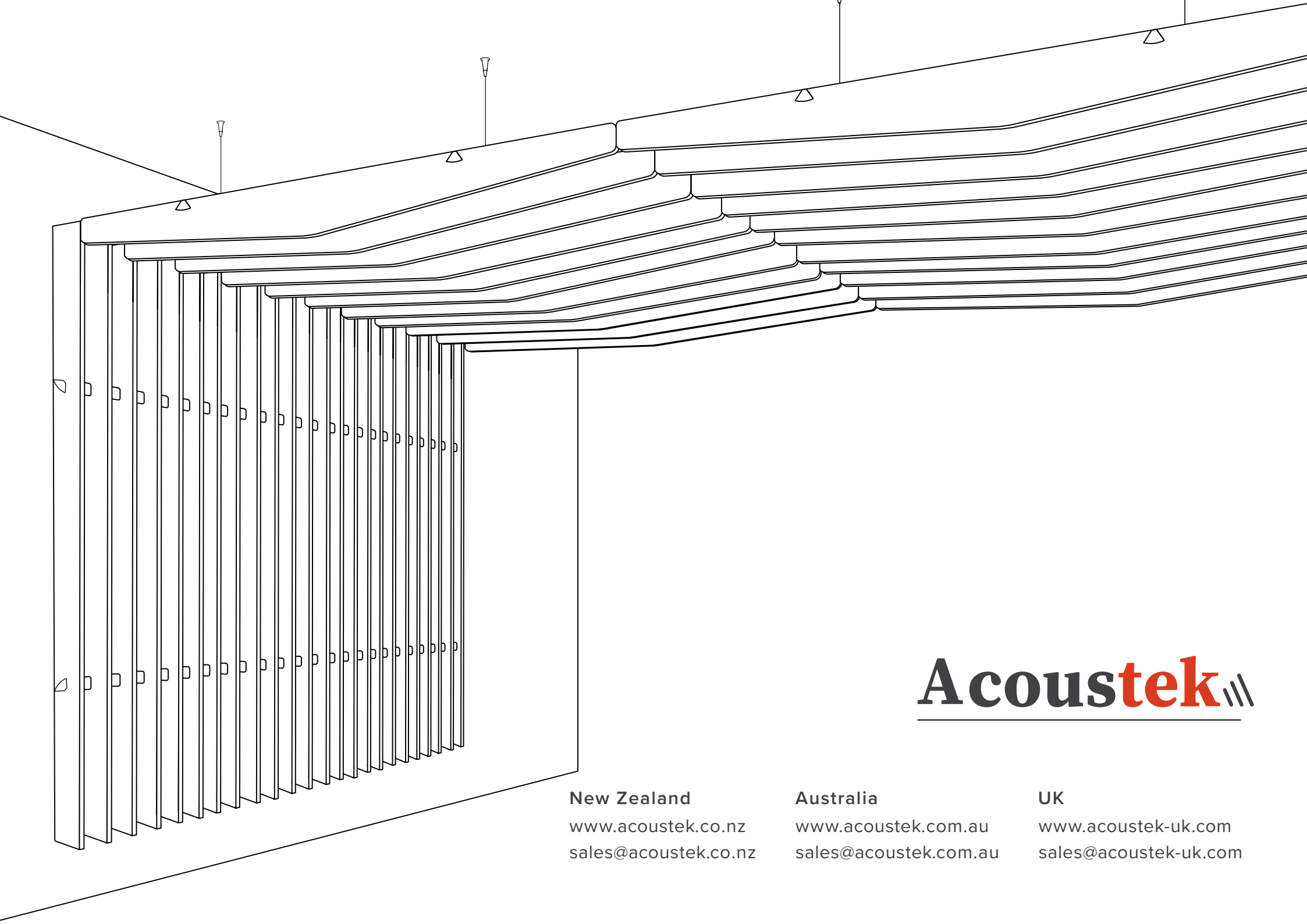
The resultant 'wall wash' lighting effect of the LEDs can then be controlled via remote dimmer.

4. Load the remaining 6 blades onto each end and locate all blades with diffuser spacer.



5. End caps are then placed onto each end of the extrusions.





# Acoustek

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