

BASIC & STEPS

NOTE: Maximum ceiling channel spacing 500mm to 800mm

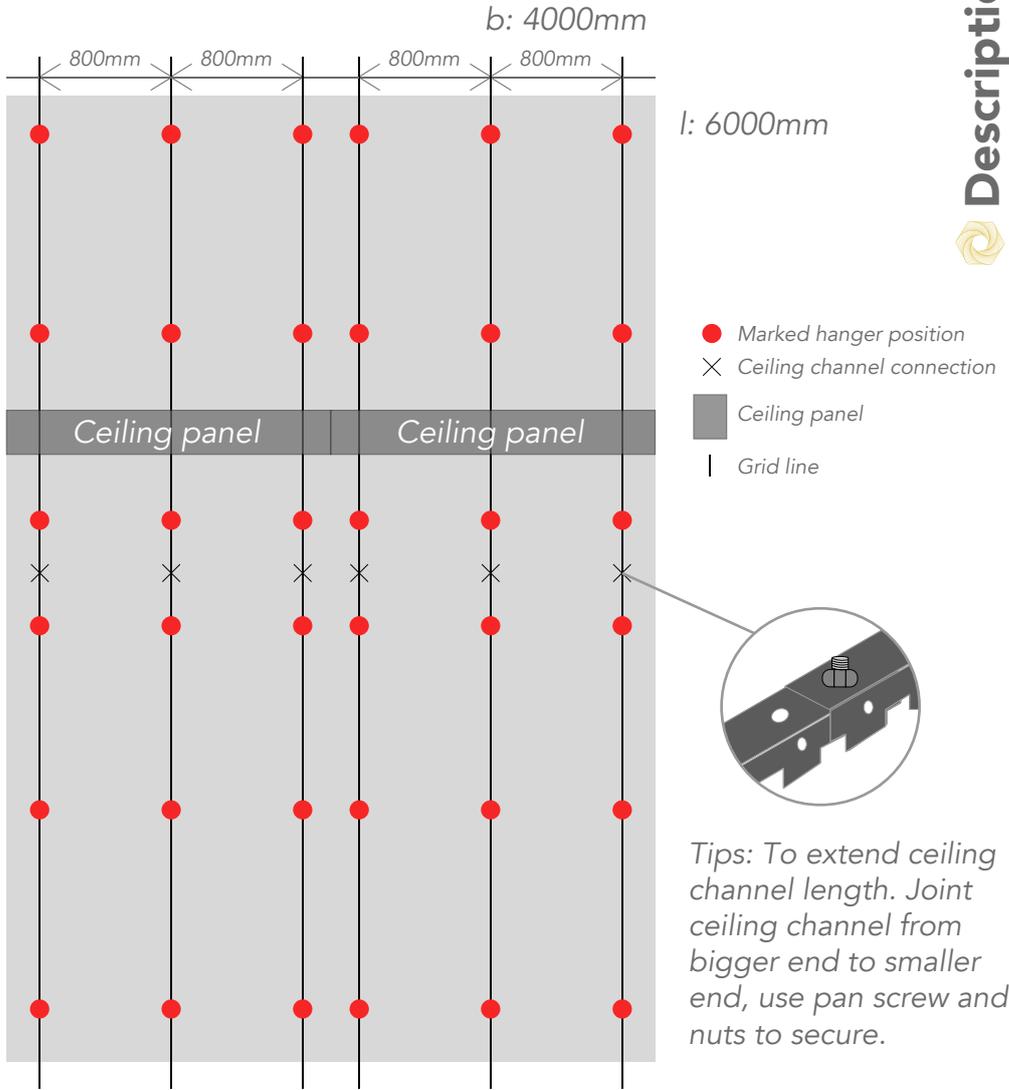
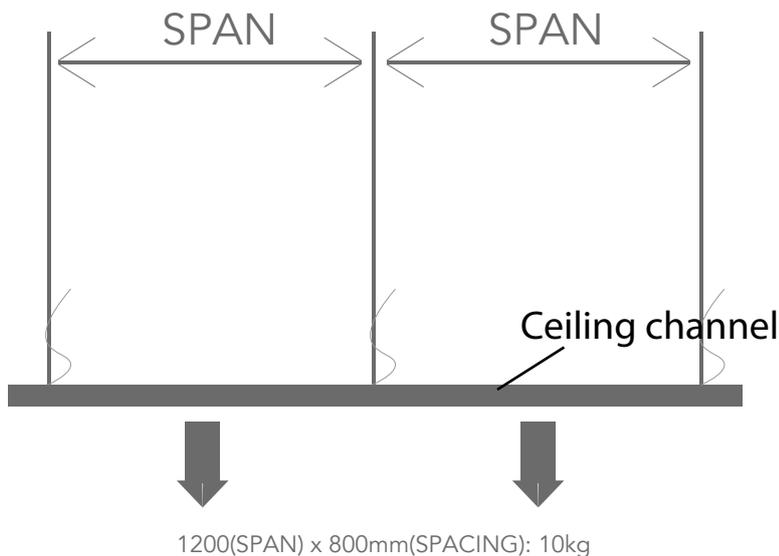


Diagram 1: Planning channel layout



Description

This is one of the most important step before commencement of actual ceiling installation. Here grid layout is arrived by taking into consideration room dimensions

length(l) x breadth(b) x height(h)

Point to remember: In practical conditions, often the room dimensions are not exactly square in dimensions.

Mark hanger positions

The hanger on the main ceiling channel should be placed at or within 600mm distance from the wall angle. Refer to diagram 1.

Maximum point loads

$1200(\text{SPAN}) \times 800\text{mm}(\text{SPACING}): 10\text{kg}$

Full length ceiling channel require 2 spans to work with.

Ceiling channel less than 1200mm require 1 span to work with.

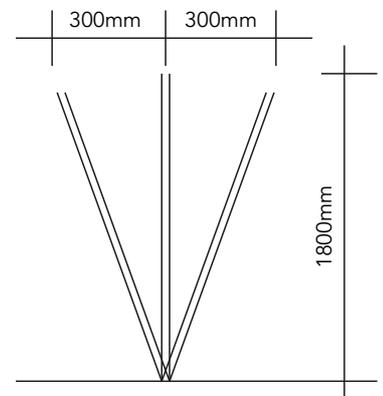
Allowable point load is specified in kg. Point loading considered as dead load only.

External applications

Our suspended ceilings system require threaded crossed tension rod for installing ceiling externally.

Limit state load capacity
 $1200(\text{SPACING}) \times 800\text{mm}(\text{CROSS}): 0.24 \text{ kPa}$
 $500\text{mm}(\text{SPACING}) \times 600\text{mm}(\text{CROSS}): 1.19 \text{ kPa}$

Installation of hangers

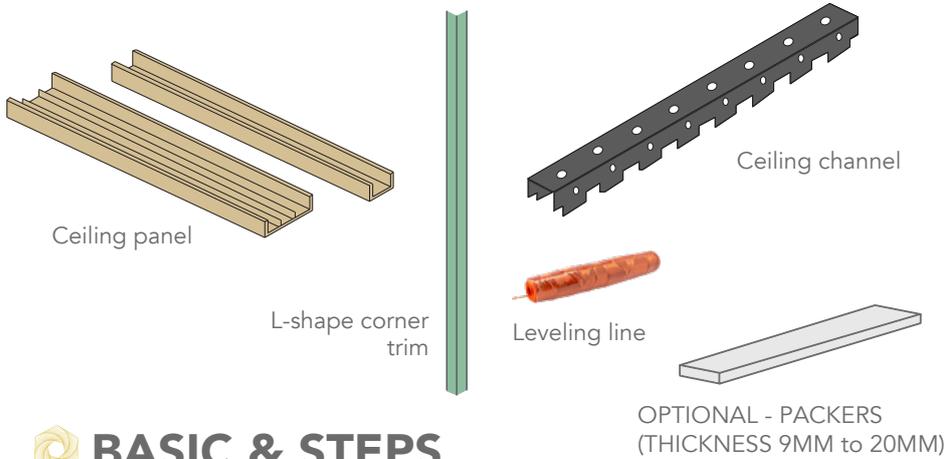


Use counter splaying wires if hanger length is over 1800mm and the MAX. SLOPE is 45 degree.

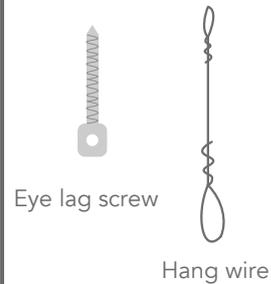
Use vertical hanger wires if hanger length is less than 1800mm.

Suspension hanger wire minimum 2.5mm dia (12 Gauge). Insert wire of required length into hanger wire hole and encircle the wire 3 times within 75mm.

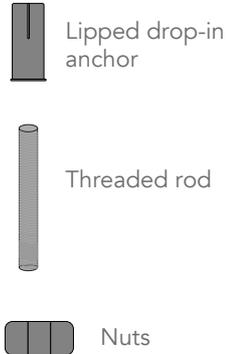
YOU WILL NEED



Suspended wire fixing system

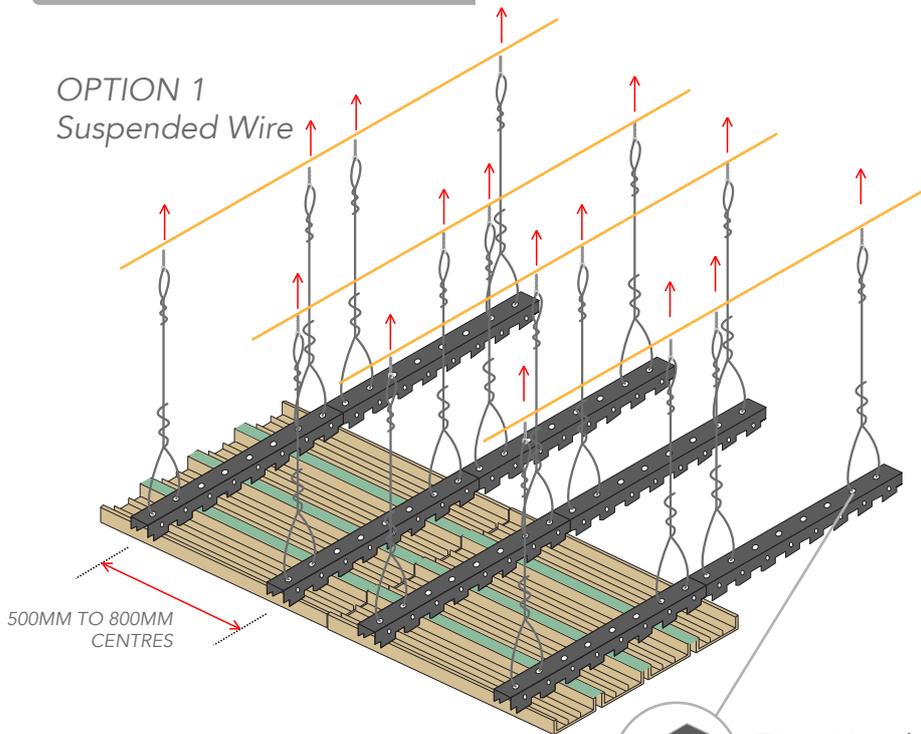


Ceiling threaded rod fixing system

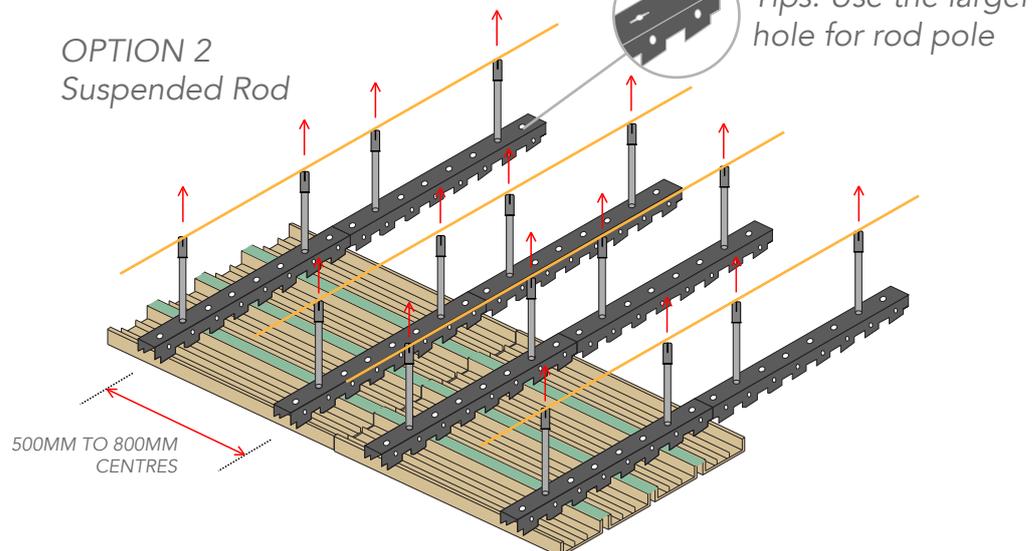


BASIC & STEPS

OPTION 1 Suspended Wire



OPTION 2 Suspended Rod



Description

OPTION 1
Using suspended wire fixing system to support our lightweight suspended ceiling.

Maximum spacing between ceiling channel is 500MM to 800MM.

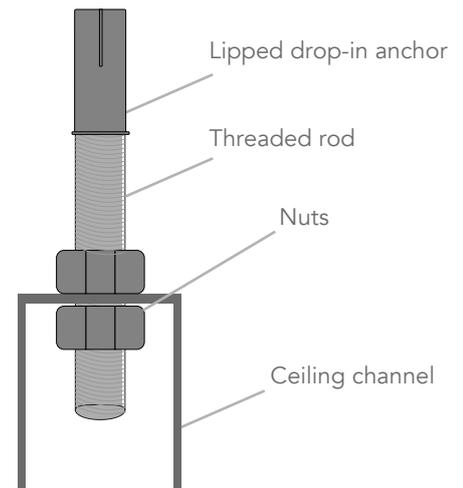
Lineup with leveling line before installing drop ceiling grid.

Identify solid fixing points in the existing structure. Use drill adapter for eye lag screws to secure on the overhead structure. Then, tie up wire on holes of the ceiling channel to suspend.

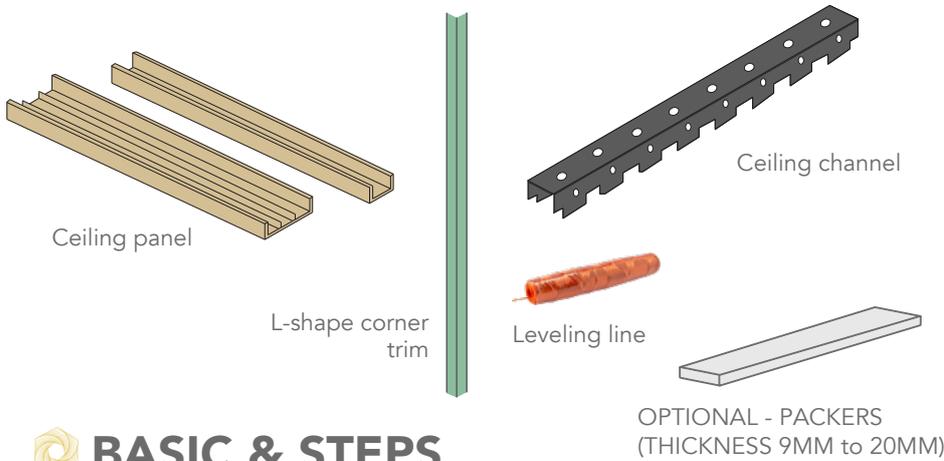
OPTION 2
Using ceiling threaded rod fixing system secure with ceiling rod & nuts to support our ceiling channel.

Lineup with leveling line before installing drop ceiling grid.

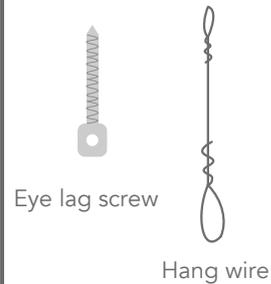
Identify solid fixing points in the existing structure. Place the lipped drop-in anchor for threaded rod. Then, secure minimum of two hex nuts to secure the ceiling channel.



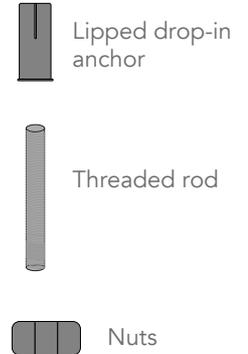
YOU WILL NEED



Suspended wire
fixing system

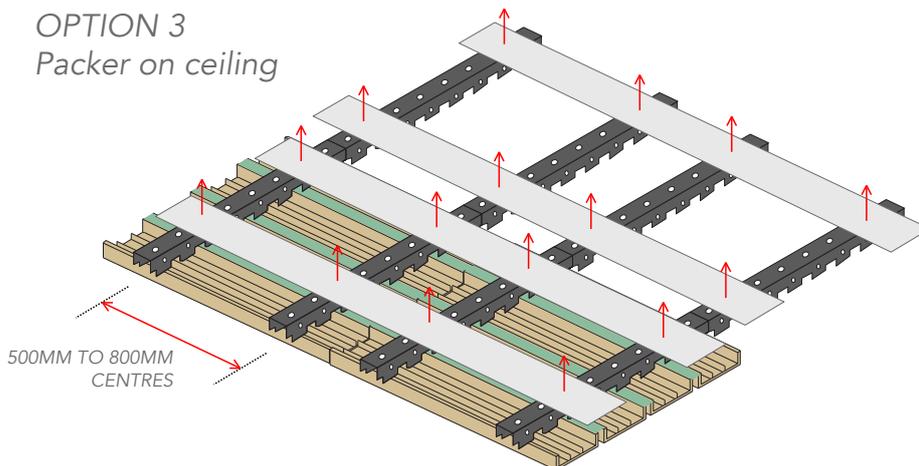


Ceiling threaded rod
fixing system

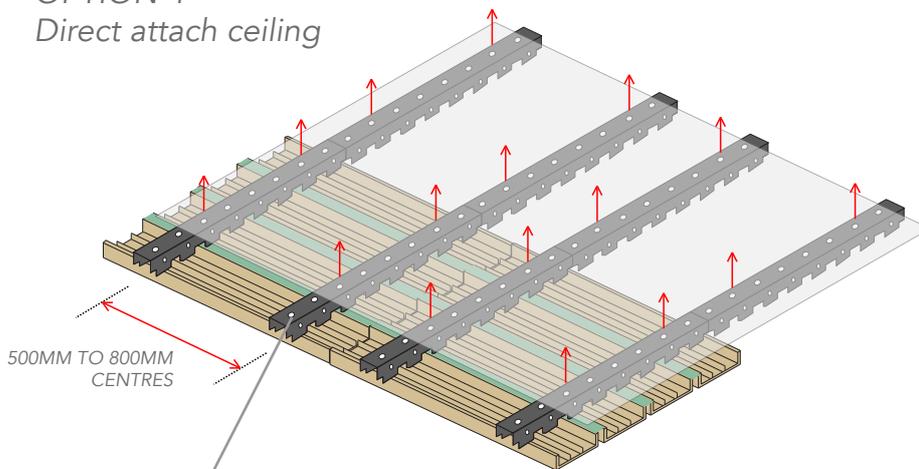


BASIC & STEPS

OPTION 3 Packer on ceiling



OPTION 4 Direct attach ceiling



Description

OPTION 3
Using 9MM to 30MM wood packer to support our lightweight suspended ceiling. Allow light cable to run above our ceiling panel. Also to avoid leveling issues.

Maximum spacing between ceiling channel is 500MM to 800MM.

Identify solid fixing points in the existing structure, lineup with leveling line and secure packer.

Secure ceiling channel to packer using standard building screw.

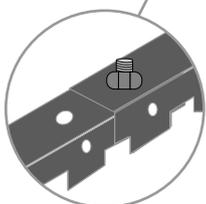
OPTION 4
Direct attach ceiling to existing wall or framing. Make sure the overhead structure is true and level.

Identify solid fixing points in the existing structure. Lineup with leveling line for ceiling channel to place on.

NOTE

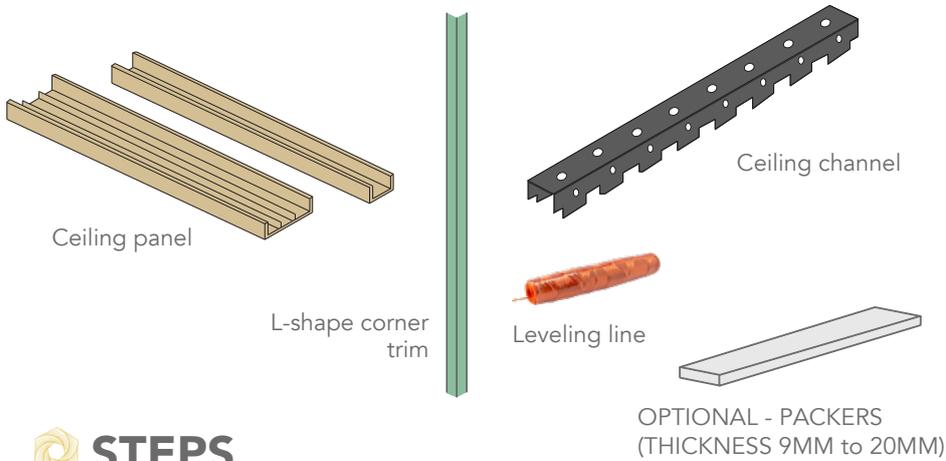
To extend the length of the ceiling channel

Our ceiling channel have one smaller end, by jointing from bigger end to smaller end allow our channel to extend the length to the requirement.



Tips: To extend ceiling channel length. Joint ceiling channel from bigger end to smaller end, use pan screw and nuts to secure.

YOU WILL NEED

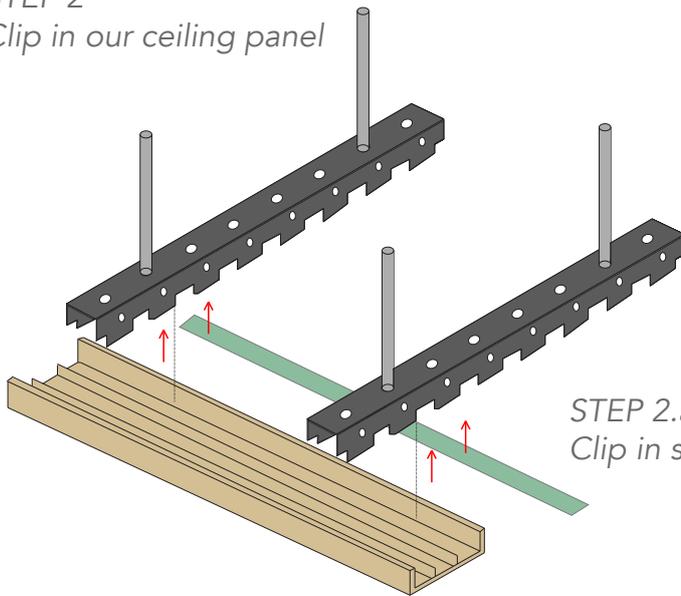


Suspended wire fixing system

Ceiling threaded rod fixing system

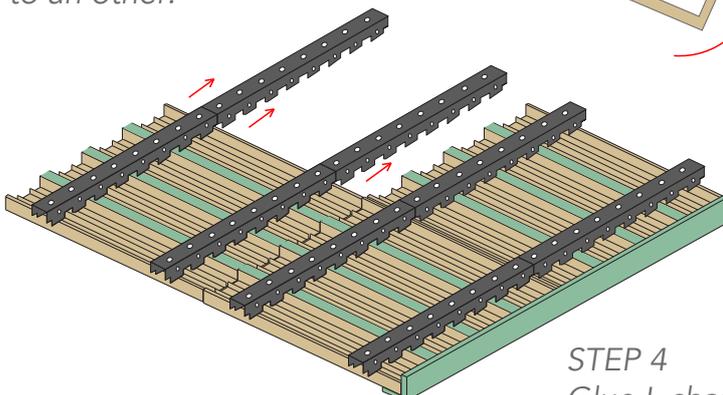
STEPS

STEP 2
Clip in our ceiling panel



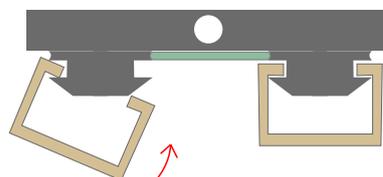
STEP 2.a
Clip in slat (Optional)

STEP 3
Clip in from one direction to an other.



STEP 4
Glue L-shape trim to cover edges.

SIDE VIEW



Tips: Clipping in from an angle

Description

STEP 2
Measure and cut the ceiling panel to fit.

Clip in our ceiling panel from an angle.

STEP 2.a
Apply slat to fulfill the suspended ceiling. This is an optional way to seal gaps between ceiling panels.

Measure and cut slat to fit.

Clip in slat from an angle.

STEP 3
Continue step 2 and step 2.a (optional) until ceiling area is fully covered.

FINISHING

STEP 4
Glue L-shape trim or slat to cover edges for better finish.

NOTE

Joint ceiling panels require extra ceiling channel for the end support.

STEP REVIEW

1. Preparation for ceiling channel suspend
2. Measure, cut, and joint ceiling channel
3. Lineup and secure ceiling channel
4. Measure and cut ceiling panel and slat
5. Clip in ceiling panel and slat
6. Measure and cut L-shape trim for cover