

Installation guide



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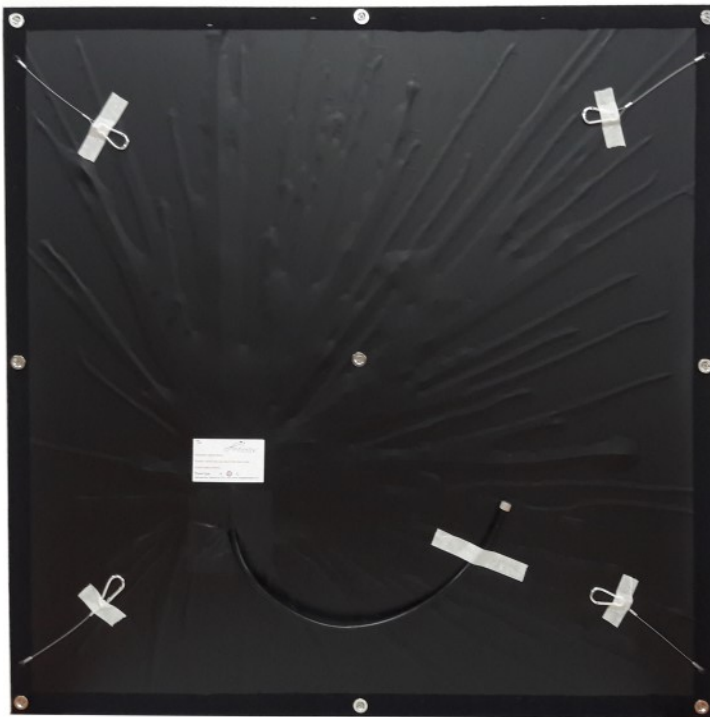
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Infinity delivery contents



Your Infinity order will comprise:

- One or more large “pizza box” cartons
- One or more boxes containing light source(s), Hydra(s) and tails
- A cling wrapped bundle of steel track
- (optional) a wrapped bundle of Infinity edge trim



The cartons contain Infinity panels. On the back of the panel there are 10 magnets, four steel safety tethers and one fibre-optic tail. The tail terminates in a metal ferrule that connects to a similar ferrule on a carrier tail with a screw fit connector.



Another carton will contain the Hydra (light splitter), carrier tails and light source.

The carrier tails will have screw ferrules at both ends and their lengths clearly labeled.

The Hydra will have screw-fit barrel connectors on the tails.



The light source(s) need a 240v socket (unless it is to be hard wired). The location of the light source in the finished array will be marked on your tail plan at the end of this booklet.



Track



Connector

The steel mounting track will be cling wrapped. There may be one or more short connectors with the track if required for the installation.

Light source

The light source must be positioned on a flat surface with no obstructions e.g. on a plywood base rather than balanced on a joist or resting on insulation. If the unit is to be wall mounted, the rear vent must not be obscured. It must be ensured that there is always suitable room for air flow around the unit.

The light source used will be one or more of the light sources shown below. The exact unit used for the installation will depend on the individual requirements of the array. The manual for the light source chosen for this installation is included in the light source box. Manuals are also available on our website.

If a hard wire kit has been requested, this should be installed by a qualified electrician.



MiniLED550



MiniLED600



MiniLED750 or 800



MiniLED850

Hydra and carrier tails

The Hydra will split the light emitted from the light source into 6 separate tails. You may not need all 6 tails; however, this system allows for flexibility. The personalised tail plan included with this manual will show the light source location(s) and the length of the tail required by each panel.



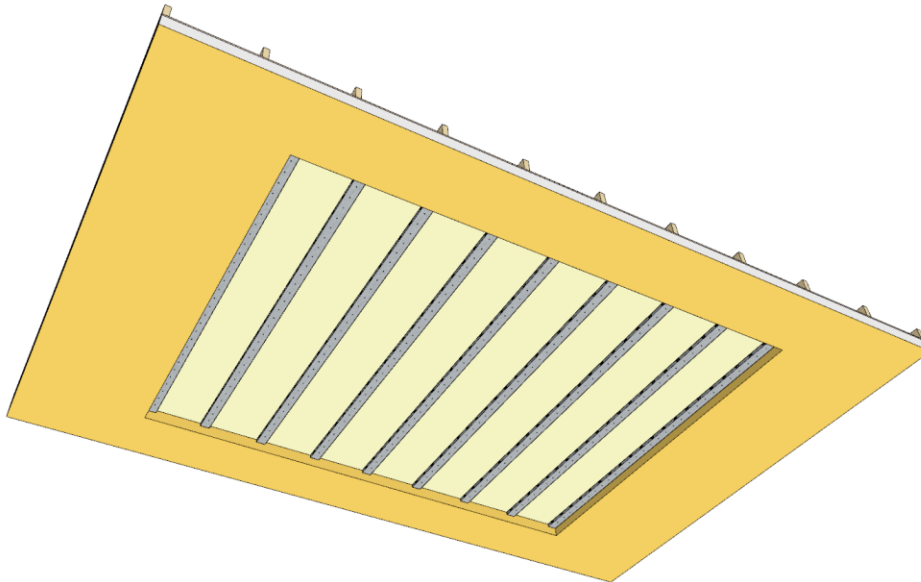
Once the light source has been situated, plug in the Hydra and tighten the small screw on the optical port.

The carrier tails transfer the light from the Hydra to the Infinity tail. All tail components fit together using the LightFlow optical joint.



Track Installation

Throughout this guide the example install is a 4m x 3m array within a 6m x 4m coffered ceiling



Accurately measure and mark out the location of the track as shown on the plan at the rear of this manual. If the installation uses standard sized panels, then the enclosed spacers can be used to help with laying out the track.

Screw the track to the ceiling or supporting frame. It is important to ensure that the steel track is level; this will help to make the panel joints less noticeable.

It is recommended that the track is screwed to timber, and that it runs across the joists. If fixing into plasterboard is unavoidable, then expanding or “butterfly” fixings must be used rather than screwed in plugs.

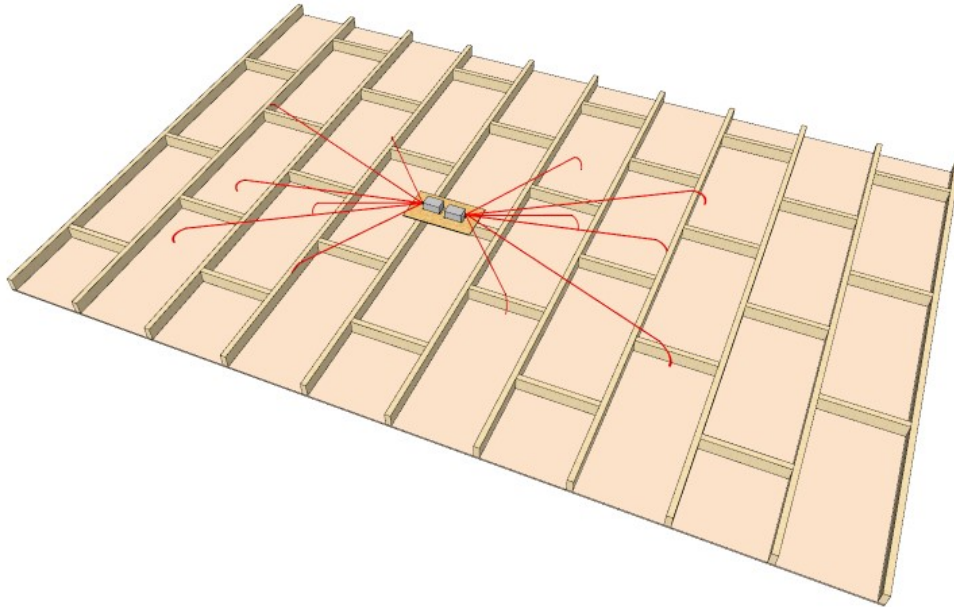
THE TRACK MUST BE FITTED WITH THE OPEN SIDE TO THE CEILING AND THE FLAT SIDE FACING DOWN INTO THE ROOM

Track connectors

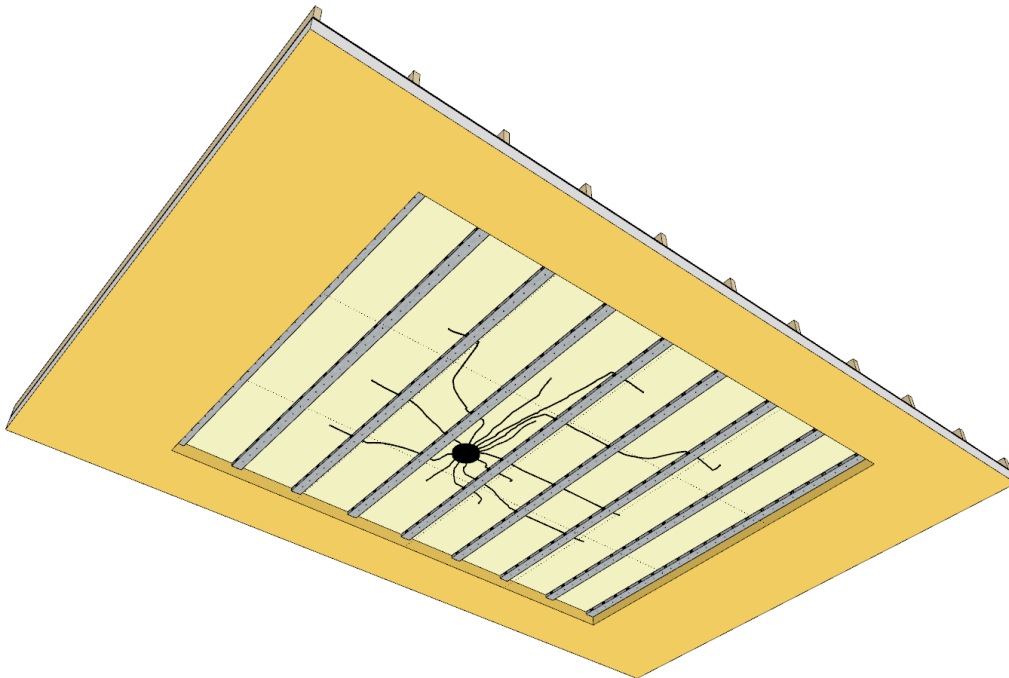
If shipping restrictions require the track to be shorter than ideal, there will also be a set of 280mm long track connectors supplied. These slot inside the track and allow two pieces to be joined into a single longer length. The joint is not as strong as a solid piece of track, and care must be taken when handled the jointed pieces. Unless specified otherwise on the enclosed track plan, connectors must **NOT** be used to create length of track greater than 3m.

When fitting the connector into the track, take care not to bend either the track or the connector. A block of wood or a mallet may be used to gently tap the track and connector together

Panel and carrier tail Installation

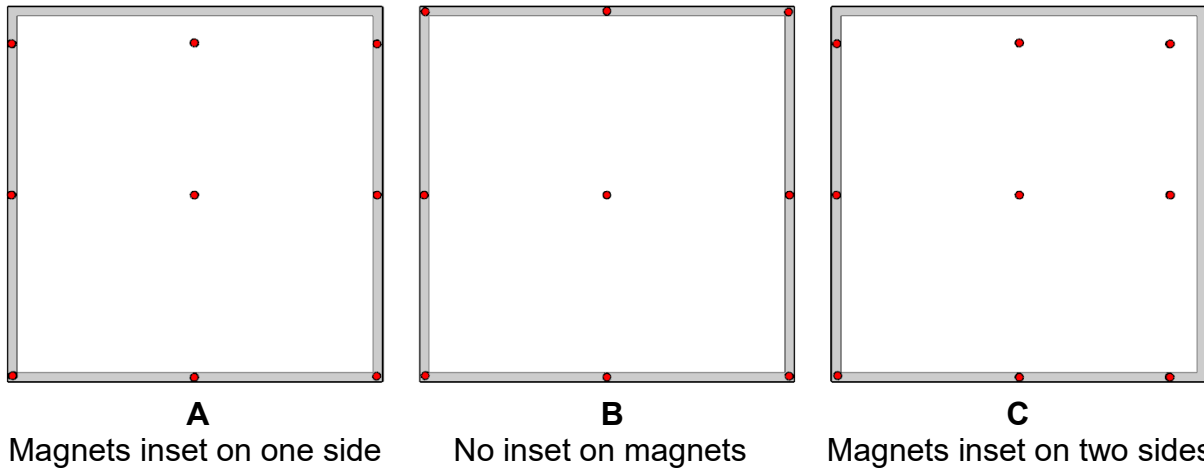


Ensure the Hydra-6 is firmly attached to the optical port on the light source. Connect the carrier tails to the Hydra-6. The carrier tails can be run in the ceiling voids (see above) or through the holes in the track (see below).



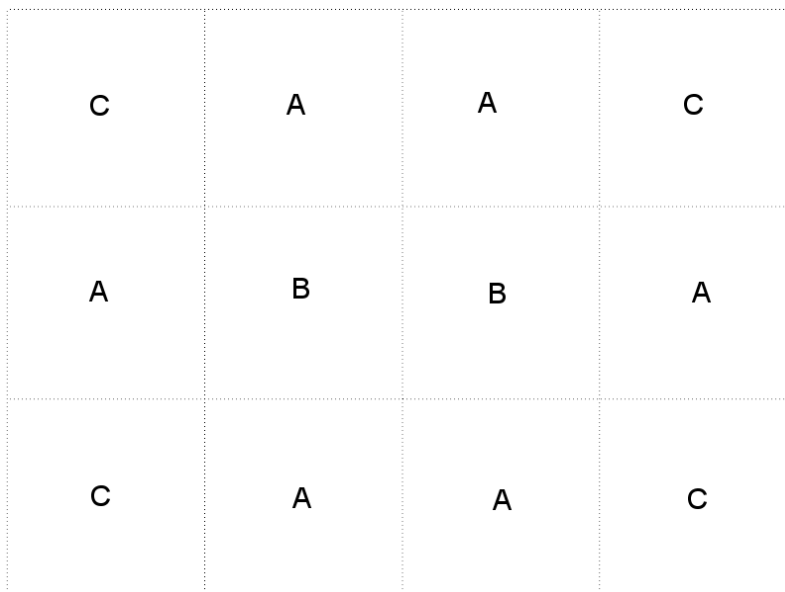
Passing through access holes in the steel track, lead the carrier tails to their approximate locations in the array. The tails should be tied into the tracking as necessary to avoid excess weight on the rear of the panels.

Once the carrier tails are in place, the first panel can be installed. All panels have a letter designation (as seen on the rear sticker) that denotes the magnet configuration of the panel. The three standard designations are shown below.



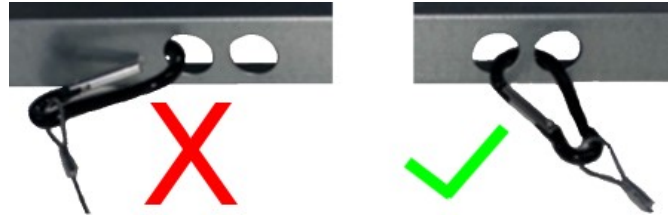
Coffered installations (or any installation where the edge/end of the track will not be seen) use type B panels.

Raft installations (where the track is inset from the edge of the panel) generally use all three panel configurations. Type A panels on the outer edges of the array, Type C for the corners and Type B for any inner panels, as shown on the image below.



In a raft installation where the panels are not square and thus have further panel variation, i.e. some A panels inset on the long edge and some on the short edge, the panels will be labelled accordingly with A1/A2 and C1/C2. B panels are unaffected.

Once the correct panel type has been selected, clip two safety tethers to the steel track so that the panel hangs. Connect the carrier tail to the Infinity tail. Attach the last two safety tethers to the steel track and lift the panel until the magnets engage with the track.



ALL CARABINERS MUST BE CLOSED WHEN CONNECTED!

Continue installing the panels, ensuring the magnets contact with the steel track and that all the safety tethers are attached.

Once all the panels have been attached to the track, the array can be measured, and any adjustments made. The magnetic system allows for a certain amount of realignment without the panels having to be taken down. Panels should be butted tightly to one another to minimize the appearance of the joints.

The final stage of installation is to brush the whole array with a stiff nylon bristled brush.

This will remove any finger marks or lint from installation and will raise the fabric, and further minimize the appearance of joints.

Finally, turn it on and enjoy your.....



Installation animation (YouTube)



Installation video (YouTube)

Edge trim (optional)

The Infinity edge trim features a magnetic fixing that attaches to the outer pieces of the steel tracking. This will have been laid out to form a perimeter, as shown on the attached tracking plan. The edge trim plan will show the layout of the various pieces of the trim.

The edge trim is fitted into the gap between the Infinity panel and the ceiling until the magnets engage. This should leave the front of the trim approximately flush with the outer edge of the panel. It is recommended to fit the overlapping sides first and then fit the inner pieces to ensure a tight fit. Example: in a 2m x 2m array, two sides would have trim at 2m and two sides would be 1.97m. The 2m lengths would be fitted first and then the 1.97m lengths inserted into the gap.

If the magnets on the trim align with one or more of the holes in the tracking, the magnets can simply be unscrewed and moved slightly in either direction so that they engage with the track.

AS THE PANELS AND EDGE TRIM ARE TO BE FLUSH WITH ONE ANOTHER, IT IS CRITICAL DURING THE LAYING OUT OF THE CEILING TO ENSURE THAT THE TRACK IS COMPLETELY SQUARED UP WHEN INSTALLED