



## Installing pre-fibred plasterboards



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## Installation of pre-fibred plasterboards

### Components

Lightsource	The unit that provides the light and effects for your ceiling.
Hydra-6	6 short tails (each terminated in a loose nut ferrule) gathered in a single large ferrule
Carrier tails	Sheathed fibre which carries light from the light source to the infinity tail. Lengths will be as required for your project. These tails will have a small metal ferrule at each end.
Plasterboards (OPTIONAL)	One or more plasterboards with one, two or three tails exiting the board, usually in a corner. These are only present when Starscape has supplied the boards.

**THIS MANUAL COVERS THE INSTALLATION OF ALL PRE-FIBRED PLASTERBOARDS; EITHER SUPPLIED BY STARSCAPE OR MADE ON SITE BY CONTRACTORS**

### Lightsource fitting

Ensure the lightsource is positioned on a flat surface e.g. on a plywood base rather than balanced on a joist. If the unit is to be wall mounted, the rear vent must not be obscured. There must always be space for air flow around the unit.

The manual for the lightsource is included in the box.

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

### Hydra-6 and Carrier tails

The Hydra will split the light emitted from the lightsource into 6 separate tails. You may not be using all 6 tails; however, this system allows for flexibility.

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

The carrier tails transfer the light from the Hydra to the Infinity tails on the plasterboards. All components fit together using a screw joint.

### Cutting the pre-fibred plasterboards (Starscape supplied boards only)

All plasterboards supplied by Starscape will be delivered as complete sheets and any trimming or cutting down is to be done on site. The boards will have been pre-marked

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approximately where necessary; however this was only for guidance while the fibres were fitted; all measurements will need to be accurately made on site. Care must be taken not to cut or damage the fibres unless they are in the removed waste area.

### **Carrier tail Installation**

Ensure the Hydra-6 is firmly attached to the optical port on the lightsource. Connect the carrier tails to the Hydra-6. The carrier tails can be run in the ceiling void or through gaps in battens or other framing.

When connecting the carrier tails to the Hydra and panel tails, ensure all ends are clean and free of dirt, grease etc before screwing together. Care must be taken to not pull or apply pressure to the point where the tail exits the board.

### **Fitting the plasterboards**

As the board is lifted into place, connect the carrier tails to the board tails and then plasterboards can be fitted as normal, with care taken to avoid crushing the tails or trapping them between the board and any framing.

While fitting the boards, the lightsource should be turned on in order to perform a visual check that all connectors have been fully attached and that light output across the boards is even.

### **Finishing the plasterboards**

**NOTE: SANDING MUST BE DONE BY HAND, NOT USING A POWERED SANDER!**

The supplied boards will be TE (Tapered Edge) dry lining plasterboards. This means that only the joints and screwheads will need to be filled and sanded. In order to help with this, only the most flexible 0.5mm fibres will be in the tapered joints, with the thicker fibres in the main part of the board. The boards will be shipped with the fibres left approximately 50mm long. If this is too long for applying filler/plaster, they may be clipped shorter, but not to less than 5mm in length.

Once the boards have been filled and sanded, cut the projecting fibres to approximately 5mm long, then finish decorating using a **roller or spray**. Fibres can then be cut to approximately 2mm long

The fibres can be cut using scissors or nail clippers. Care should be taken when handling boards with cut fibres as the cut ends can be sharp. Once the board is finished, the face should be lightly brushed with a soft handbrush to remove any loose fibre clippings.