INSTALLATION MANUAL

Ceiling installation of fibre optic panels

Adjustable Gripple Angel suspension



Four suspension points

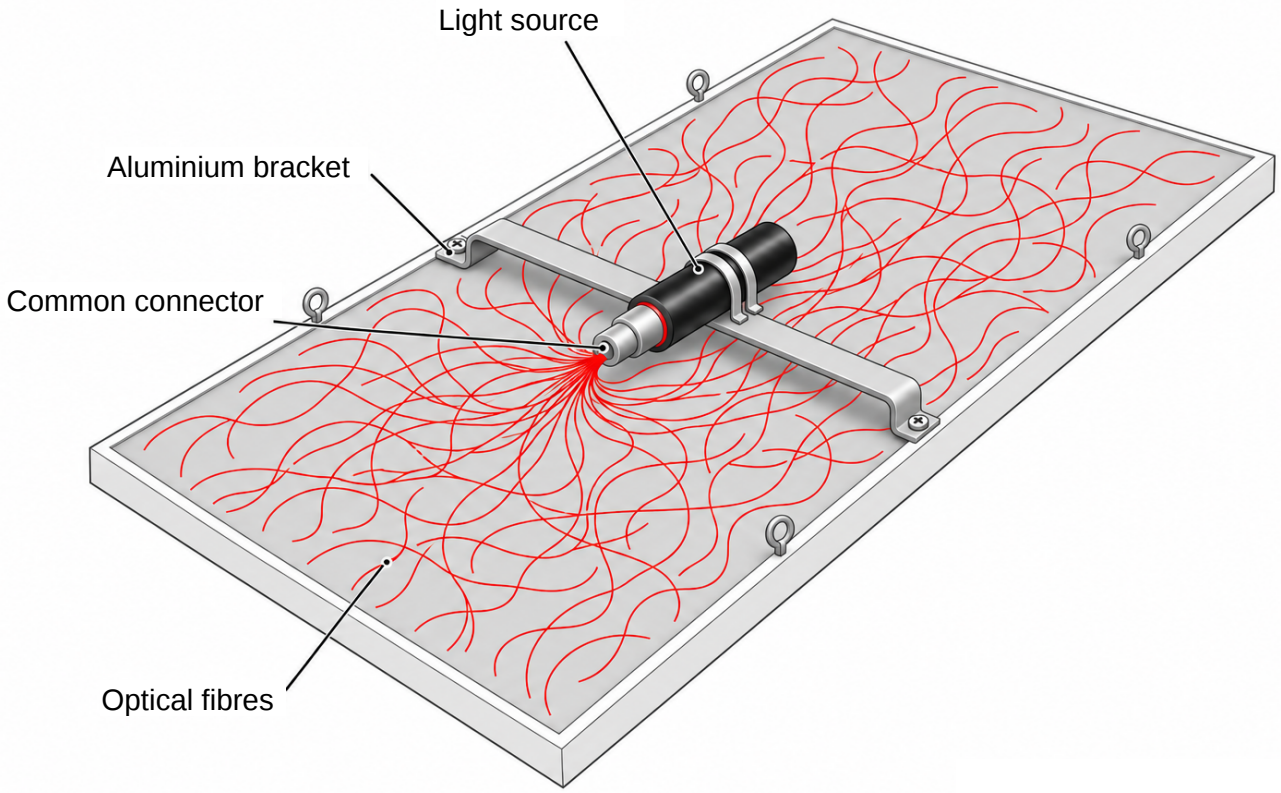
Closed eyelets pre-fitted to the panel, ED6 ceiling fittings, steel suspension wires and Gripple Angel adjusters.

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THE COBB PANEL

The light source on the back

Example: 120 × 60 cm panel with a cylindrical light source.



Bracket, light source and optical fibres

In this example, the raised bracket is attached to the panel frame and supports the light source. The fibres emerge from a single common connector and spread across the back. COBB has already fitted the four closed eyelets. The light source and its support depend on the model ordered; see page 11.

BEFORE YOU START

Prepare the work area

1 Prepare the power connection

Before installation, have an electrician connect the supplied trailing socket to the ceiling power supply point. The circuit must be isolated during this work. See page 10.

2 Protect and support the panel carefully

Wear clean gloves and place the visible face of the panel on a clean, soft surface, such as a rug, clean cardboard or its packaging. Take care not to damage the fibres.

3 Arrange help with lifting

Ask a second person to help you lift the panel and bring it into position.

Components supplied by COBB

Pre-fitted: 4 closed eyelets on the panel.
Suspension: 4 Gripple Angel adjusters, 4 ED6 ceiling fittings and 4 steel wires with a stop at one end, in the length ordered.
Power connection: light source cable with an Italian plug and a compatible trailing socket.

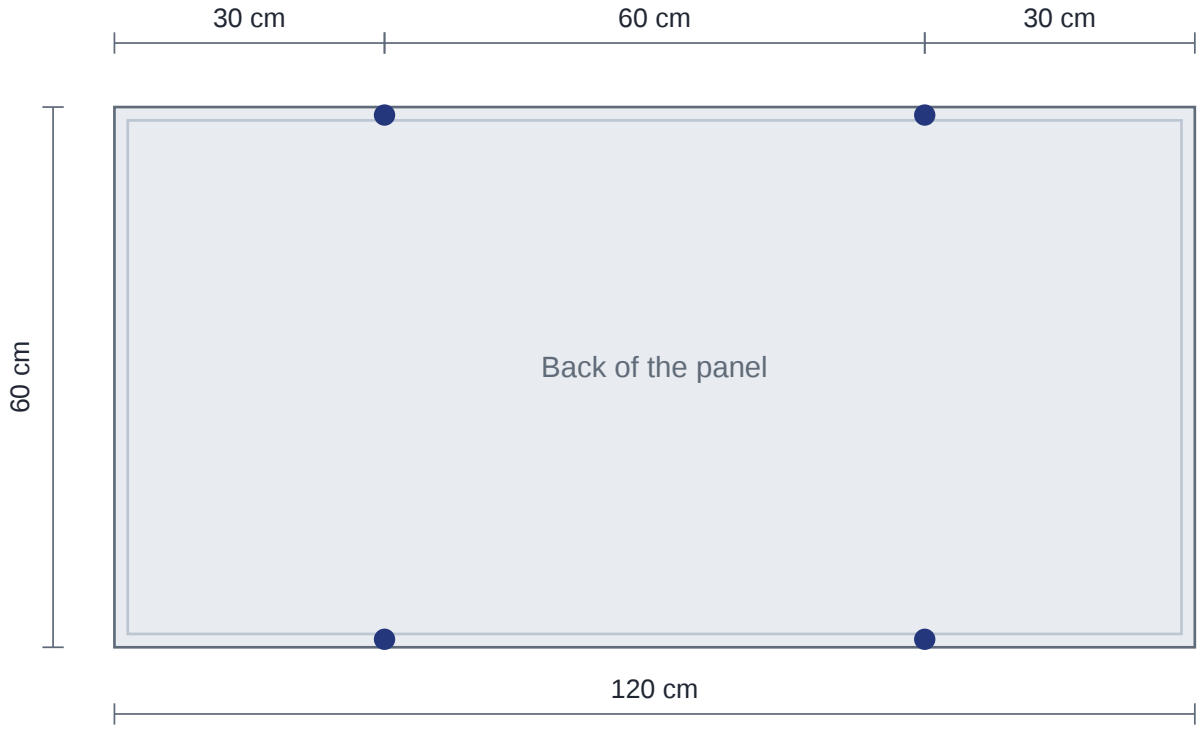
You also need four screw anchors suitable for the ceiling material and the load of the complete system. The screw must fit through the ED6 fitting and have a maximum diameter of 4.5 mm.

01 / KNOW YOUR PANEL

Four pre-fitted attachment points

Illustrated example: a 120 × 60 cm rectangular panel.

On the illustrated panel, each long edge has two eyelets, one 30 cm from each end. The two eyelets on the same edge are 60 cm apart.



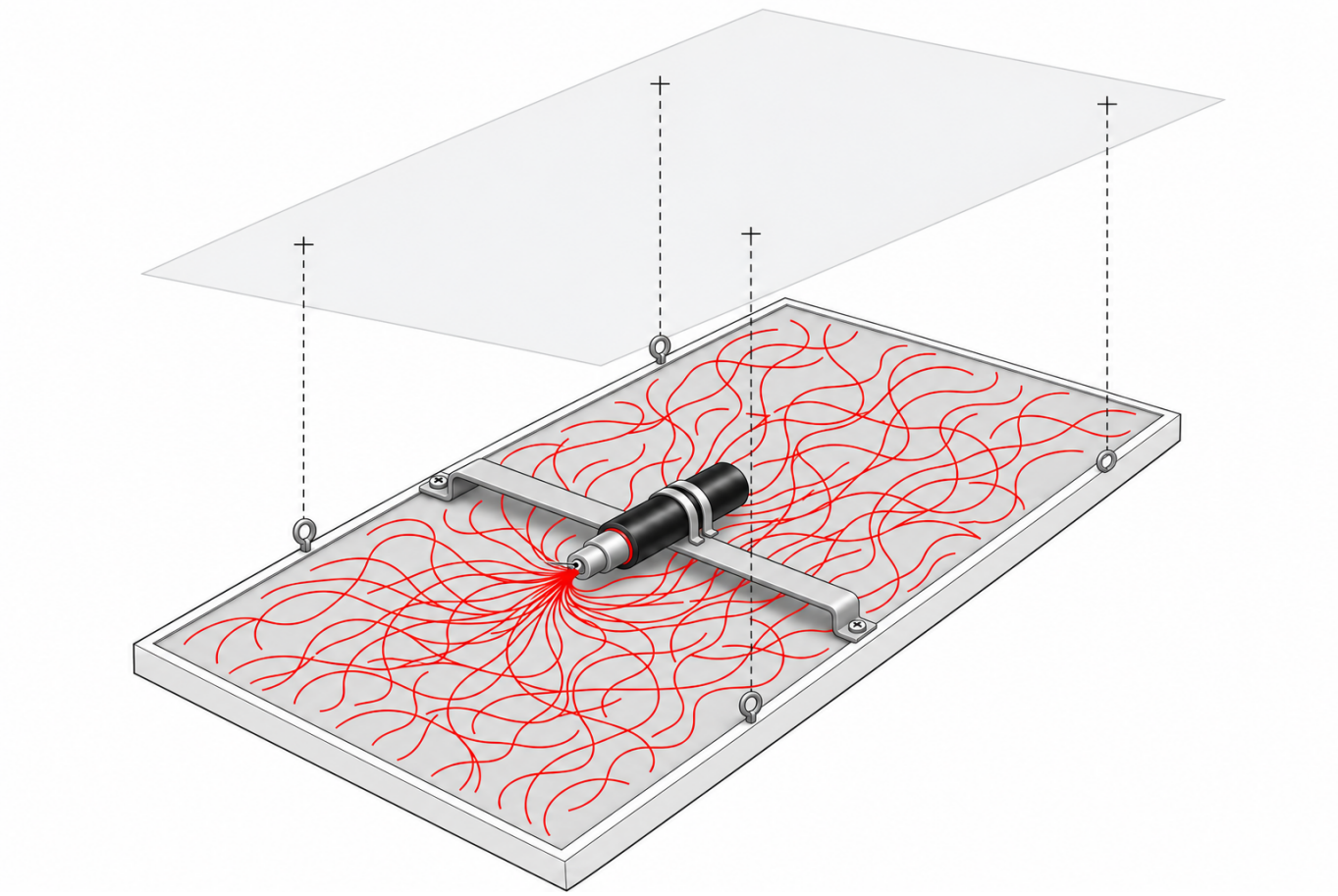
Measure the eyelets on the panel received

Measure the actual centre-to-centre distances between the four attachment points. The panel's outer dimensions of 120 × 60 cm are not the spacing of the holes to drill in the ceiling.

02 / MARK THE POINTS

Transfer the measurements to the ceiling

Choose the panel position and accurately mark the four attachment points on the ceiling. Each mark must correspond to an eyelet already fitted to the panel.



The dashed lines show how the panel’s attachment points align with the ceiling marks. They do not represent suspension wires or the final installation clearance.

Check before drilling

Recheck the spacing and orientation of all four points against the actual panel.

03 / SECURE THE ED6 FITTINGS

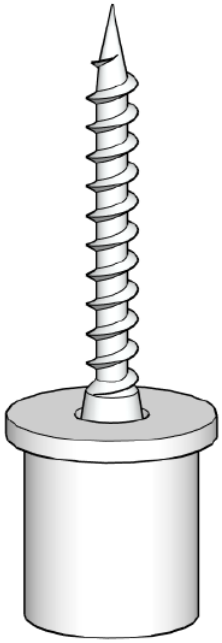
Prepare the ceiling fixings

1. Install the four anchors

Drill at the four marked points and install anchors suited to the ceiling material and total load, following the anchor manufacturer's instructions. For a suspended ceiling, identify a suitable load-bearing fixing point.

2. Secure the ED6 cylinder

Pass the screw through the ED6 cylinder before inserting it into the ceiling anchor, as shown. Tighten the screw to secure the cylinder to the ceiling. Repeat for all four fittings.



Screw compatibility

The screw must have a maximum diameter of 4.5 mm and pass through the hole in the ED6 fitting. The type and length of the anchor and screw depend on the fixing substrate.

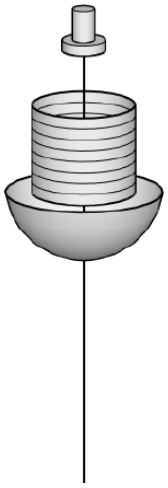
The ceiling-mounted cylinder will receive the dome cap containing the steel wire.

04 / PREPARE THE SUSPENSION

Fit the wires and adjusters

1. Feed the wire through the ED6 cap

Feed the steel wire through the ED6 dome cap. The stop at one end of the wire must remain seated inside the cap, as shown.

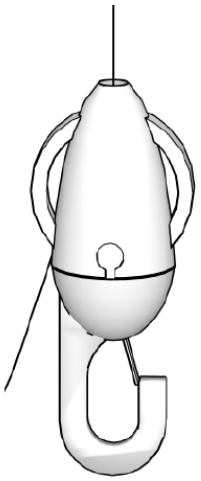


2. Complete the ceiling fitting

Screw the cap containing the wire into the ED6 cylinder already secured to the ceiling. Check that the fitting is fully closed.

3. Feed the wire into the Gripple Angel

Insert the free end of the wire into the top hole of the adjuster. Feed it out through the side opening and leave the tail length specified in the instructions for the supplied Gripple kit. Do not cut the wire flush with the adjuster.



4. Prepare all four connections

Repeat with the remaining wires and adjusters. Keep them free and separate from the optical fibres.

05 / HANG AND ADJUST

Connect the panel to the wires

1

Lift with a second person

Lift the panel towards the ceiling, holding it by its perimeter frame. Do not lift it by the light source, bracket or fibres.

2

Attach the four Gripple Angel hooks

Attach each adjuster’s hook to one of the closed eyelets already fitted to the panel. Check that all four connections are properly engaged.

3

Adjust the height and level the panel

Keep the panel supported while adjusting. Press the Gripple Angel wings to change its position on the wire, then release them and check that it locks. Adjust all four points until the panel is level.

Support the panel during every adjustment

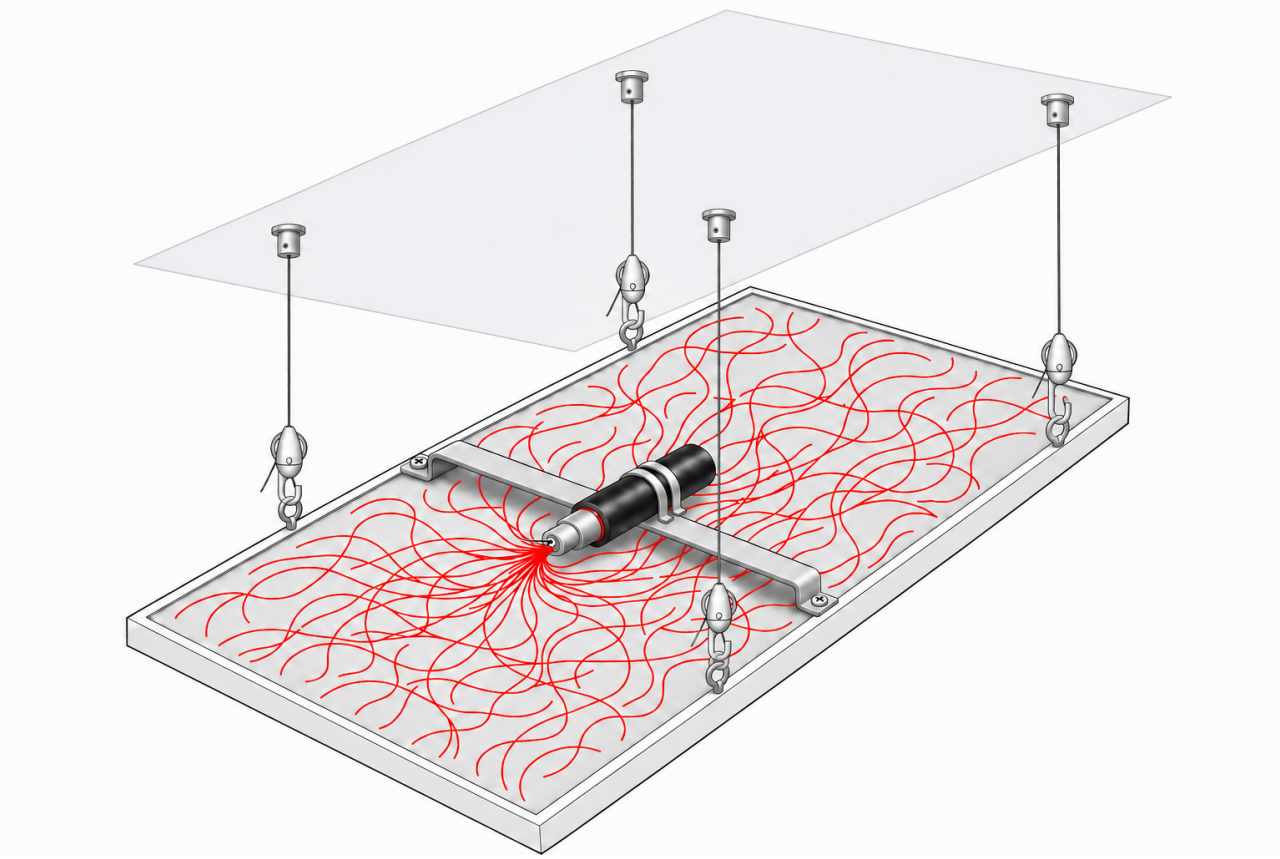
Support the panel’s weight before operating the adjusters. Check all locking mechanisms before leaving the panel suspended.

Adjustment guidance checked against the Gripple Angel instructions. Also follow the instructions for the kit actually supplied.

06 / CHECK THE INSTALLATION

The panel suspended from the ceiling

The panel is supported by four wires connected to the ED6 ceiling fittings and to the panel eyelets through the Gripple Angel adjusters.



Clearance from the panel’s back to the ceiling

Allow at least 15 cm for the 9 W, 12 W RGB+W and 12 W tunable white models. Around 20 cm is recommended for the 15 W twinkle model. Measure from the back of the panel, not from the top of the light source. Leave the light source, bracket and fibres unobstructed. See page 11.

Check all four attachments and wire locks; ensure the panel is stable and level. Power connection: page 10.

07 / ELECTRICAL CONNECTION

Connect the light source

Light source	**Model selected in the order (page 11)**
Electrical ratings	**See the supplied model’s label and manual**
Supplied connection	**Italian plug and compatible trailing socket**

1 Have the trailing socket prepared

Before installation, an electrician must connect the supplied trailing socket to the ceiling power supply point, with the circuit isolated, and check compatibility and the supplied model’s electrical ratings.

2 Plug in the light source

Once mechanical installation is complete, with the power switched off, insert the Italian plug into the prepared trailing socket. Keep the connection accessible and the cable free from tension or crushing.

3 Check operation

After the final checks, restore power and use the supplied control to check that the fibres light up.

Power supply electrical protection

A power supply marked Class II (double insulated) does not require an earth connection. The socket and electrical installation retain their own protective measures. Any fixed wiring must be carried out by an electrician.

08 / CUSTOMER'S SELECTED MODEL

Standard and optional configurations

One installation manual for the model selected and confirmed in the order.

Standard configurations use either the 12 W RGB+W or the 9 W white light model. Tunable white and twinkle effects are available as options on request. The drawings are examples: the light source and support may vary by model.

Supply	Light source / model	Power	From panel back to ceiling
Standard	RGB+W LED RF-LRGB+W/LED12	12 W	At least 15 cm
Standard	White LED LWH-LED9+RF/PLUS 2700 / 3000 / 4000 / 5500 K	9 W	At least 15 cm
Optional	Tunable white LED LWH-LED12-DIN	12 W	At least 15 cm
Optional	RGB+W LED with twinkle LRGBW-LED15-TW	15 W	Around 20 cm recommended

Clearances apply to the COBB configurations described. Check the overall size of the supplied assembly and allow any greater clearance required by its instructions. Always measure from the back of the panel to the ceiling.

Model-specific documentation

For electrical ratings and control operation, consult the technical data sheet and instructions for the selected light source.