Installation
Manual

LED Sky Ceilings &
LED Wall Panels

ASPIRE®
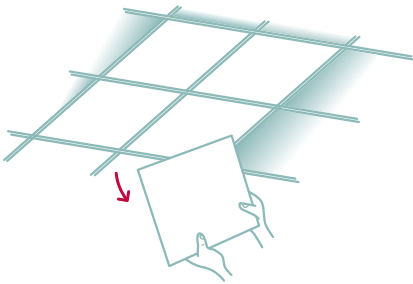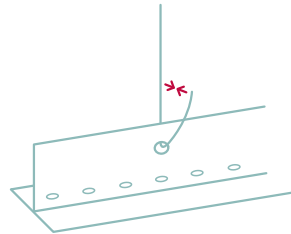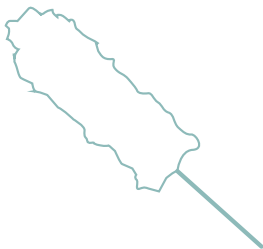
Contents

ΛSPIRE®

1 Suspended Ceiling Installation
(15mm & 24mm)

Remove current ceiling panels.

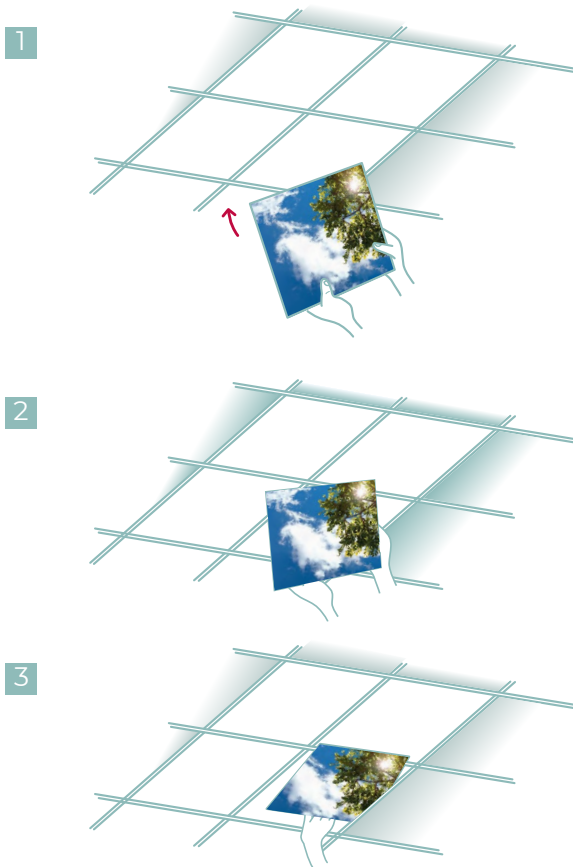Squeeze grid hangers together if necessary to create space for the panels.

Create a dust-free environment and unbox the panels.

Wear gloves (provided).

1 Suspended Ceiling Installation
(15mm & 24mm)

1

2

3

Refer to the image layout plan for proper placement. Direction arrows and numbers are placed on the back of each panel and on the corresponding layout plan.

Avoid touching the panel on the image and in the middle.
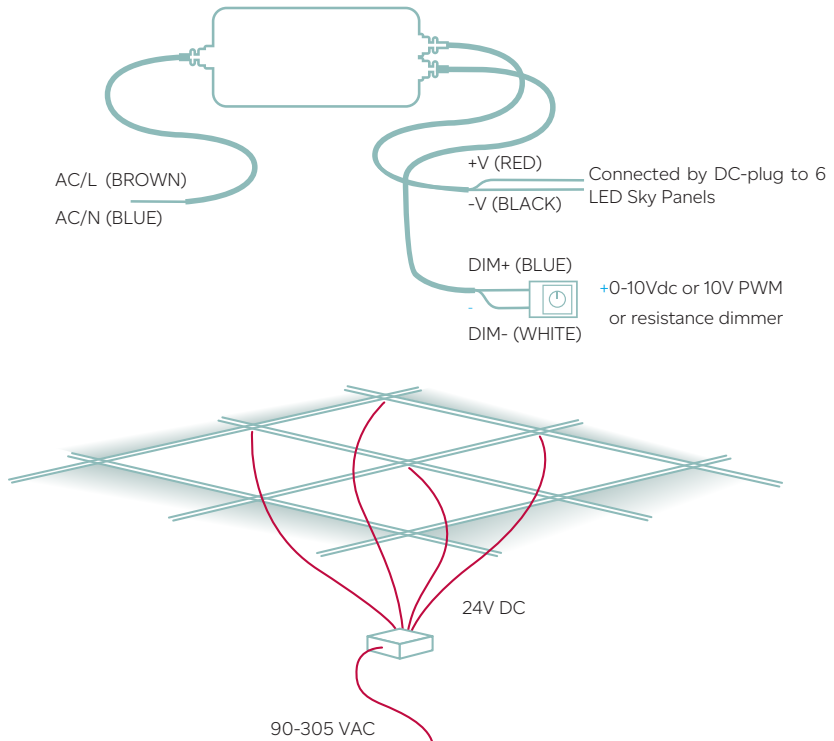Only touch the panel on the aluminium frame to avoid fingerprints and light-gaps.

Caution: The suspended ceiling grid should have sufficient hanging supports to cater for the weight of your combined LED Sky Ceiling array.
All panels are also supplied with additional independent safety cables that are to be fixed to the structure above the grid, acting as a fail-safe.

1 Suspended Ceiling Installation
(15mm & 24mm)

AC/L (BROWN)

AC/N (BLUE)

+V (RED)

-V (BLACK)

Connected by DC-plug to 6 LED Sky Panels

DIM+ (BLUE)

-

DIM- (WHITE)

+0-10Vdc or 10V PWM
or resistance dimmer

24V DC

90-305 VAC

All LED Sky Ceiling and LED Wall panels are supplied as on/off (non-dimmable) as standard. We can also supply various types of dimmable LED drivers (DALI, Push-Dim, 0-10v etc.).
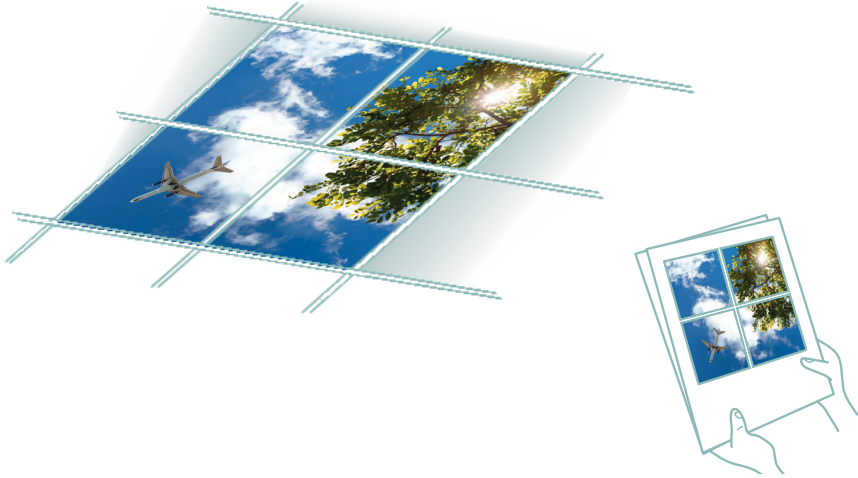
Connect the push fit DC-plugs on the back of the panel to the plugs on the LED Driver. Do not pull the cables.
Connect the LED Driver to the power source and place in a dry, safe place.

Caution: LED Drivers MUST be installed OUTSIDE of the magnetic field in an MRI suite. Check the 'Extra Information - MRI' (page 15.)

1 Suspended Ceiling Installation
(15mm & 24mm)

Final Checklist

Do all the panels sit evenly in the grid?
Hanger wire can force a panel to sit off center.
If so, re-attach the wire.

If grid is not installed square, The panels will sit
unevenly in the opening. If so, adjust grid so it is square.
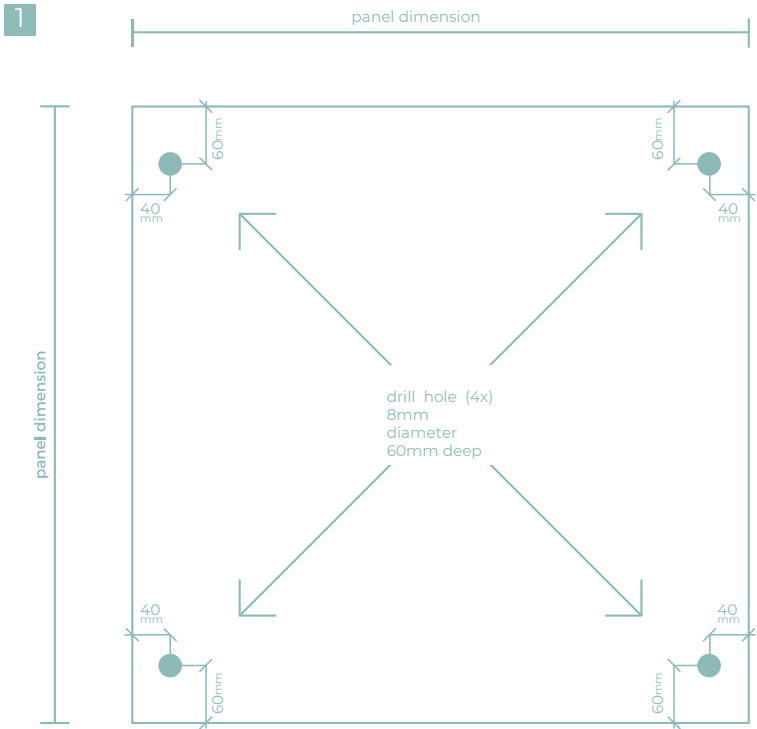
Is the image evenly lit?
If one or more panels are dark, one or more panels are not
working. Re-check wiring connection.

Does the image match the layout image?
Are the tiles in the correct position and orientation?

1

panel dimension

panel dimension

60mm

40 mm

60mm

40 mm

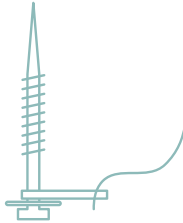drill hole (4x)
8mm
diameter
60mm deep

40 mm

40 mm

60mm

60mm

Drill the holes according to
this drilling instruction.

Caution: Make sure your surface and materials are strong enough to support the weight of the panel.

2

Attach safety cord to the screw

3

Sideview of the ceiling
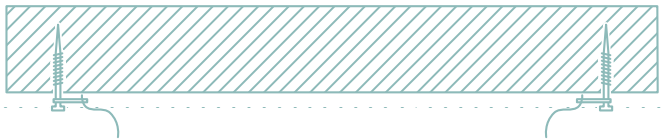
Turn the plugs and screws
into the ceiling

4

Attach safety cord to the panel.

5

90-305
VAC

24
V
DC

24
V
DC

Connect the LED Driver.

6

Slide the panel on to the screws.

7

Lock the panel.

1

panel dimension

panel dimension

60mm

40
mm

60mm

40
mm

drill hole (4x)
8mm
diameter
60mm deep

40
mm

40
mm

60mm

60mm

Drill the holes according to
this drilling instruction.

Caution: Make sure your surface and materials are strong enough to support the
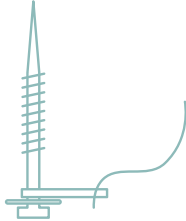weight of the panel.

2
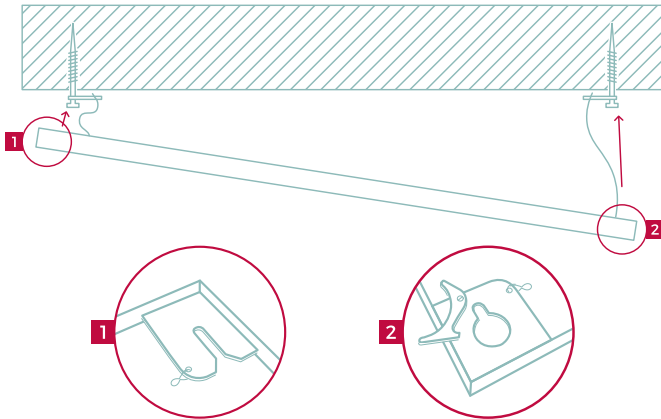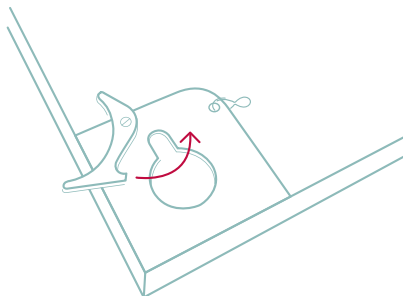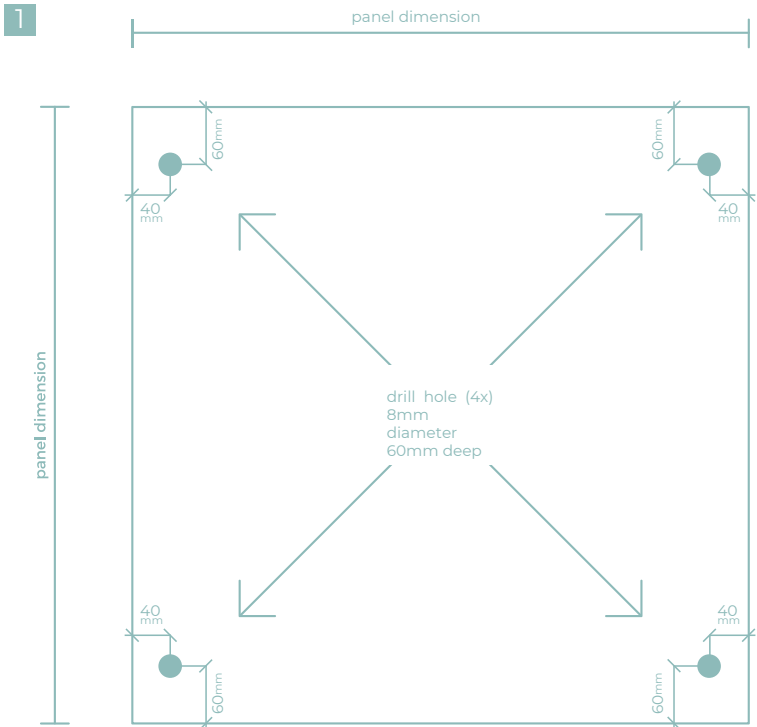
Attach safety cord to the screw

3

Turn the plugs and screws
into the wall
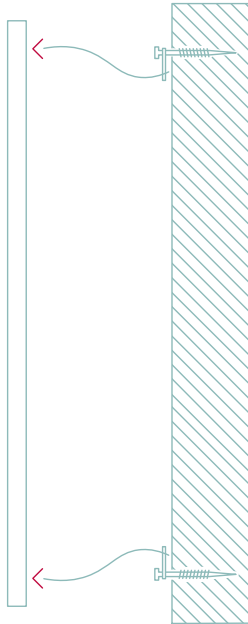
4

Attach safety cord to the panel.

5

| 90-305 VAC | | 24V DC | 24V DC |

Connect the LED driver.

6
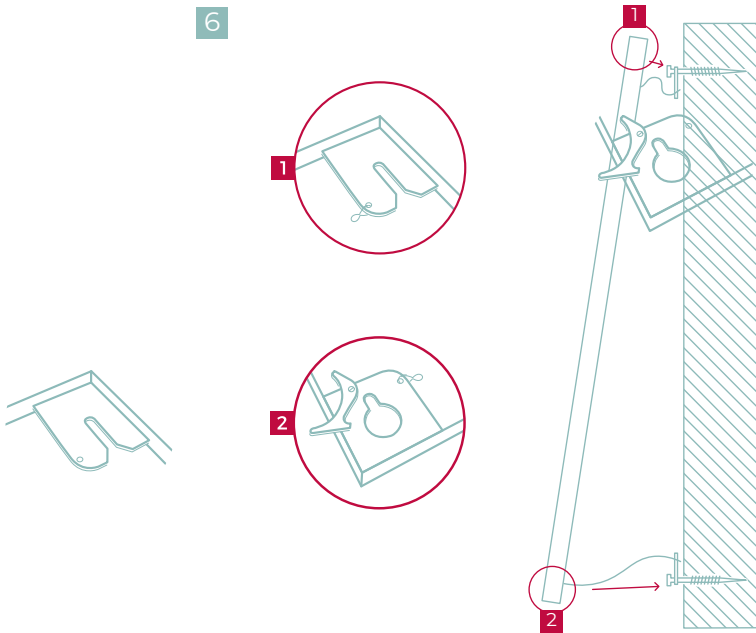
Slide the panel on to the screws.

7
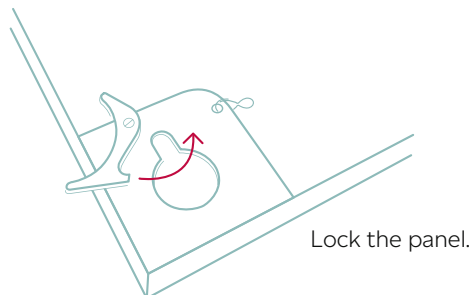
Lock the panel.

4 Extra Information
Recessed Installation

Suspension system
Not provided by Aspire

Sidewall to sidewall dimension
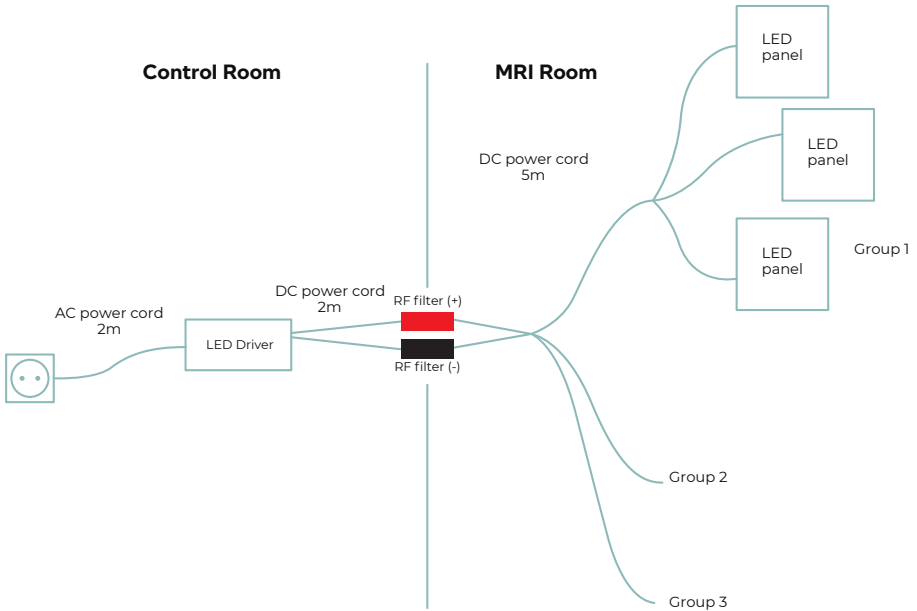Panel dimension + 6mm for shim space (3mm per side)

10 mm
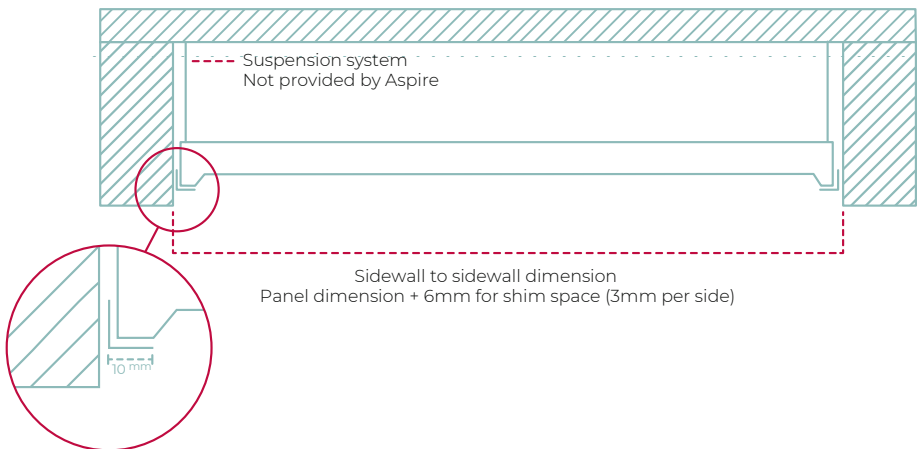
Recessed installations are as per the previous steps. However, as there is no grid system, a profile needs to be created for the panels. Please consult a skilled installer for the right materials and construction.

Caution: Make sure your surface and materials are strong enough to support the weight of the panel.

5 Extra Information
MRI

Control Room

MRI Room

LED
panel

LED
panel

DC power cord
5m

LED
panel

Group 1

AC power cord
2m

DC power cord
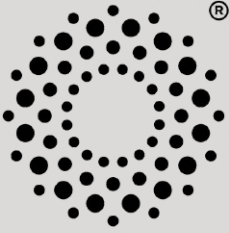2m

RF filter (+)

LED Driver

RF filter (-)

Group 2

Group 3

Caution: LED Drivers MUST be installed OUTSIDE of the magnetic field in an MRI suite.
Use only non-ferrous equipment.
The use of RF-Filters is advised (not included, to be provided by others).

6 Terms of Use

- Do not pull the cables with force.
- Only use the supplied power adapter/s. Failure to follow this instruction could result in permanent damage to the LED Panel/s.
- The panels are suitable for internal use only (IP20).
- Keep the LED Panels away from areas of high humidity.
- Do not locate the panel in areas subject to extreme temperatures, max. +35 Degrees Cel.
- LED bulbs have life expectancy of more than 50.000 hours subject to the unit being switched on for a maximum of 12 hours per day and kept out of direct sunlight. After this time brightness may reduce up to 30%.
- The panel must be installed by a competent, trained person, following the instructions provided.
- Damage caused by failure to follow the instructions provided, modifications to the electrical components or incorrect installation procedures will void the 2 year warranty.

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