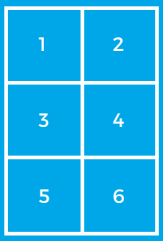
Installation Guide



■ Image Layout

■ Gloves

■ LED driver

■ Installation Guide

Installation Overview

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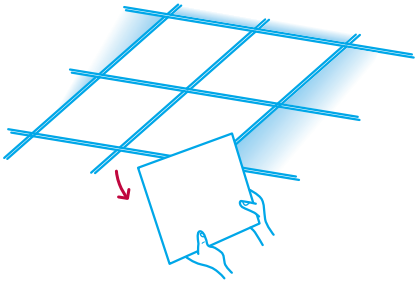
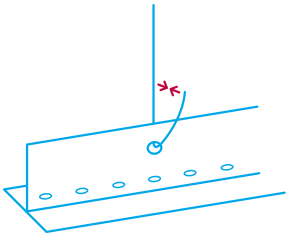
Terms of Use

- Do not pull the cable with force.
- Only use the supplied power adapter. Failure to follow this instruction could result in permanent damage to the lightbox.
- The panels are suitable for internal use only.
- Keep the display away from areas of high humidity.
- Do not locate the panel in areas subject to extreme temperatures, max. +35ºC.
- 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 warranty.

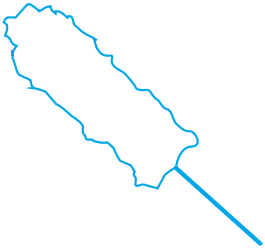
1 Prepare Installation
Grid 15mm+24mm



Remove current ceiling panels



Sqeeze gridhangers together if necessary to create space for the panels

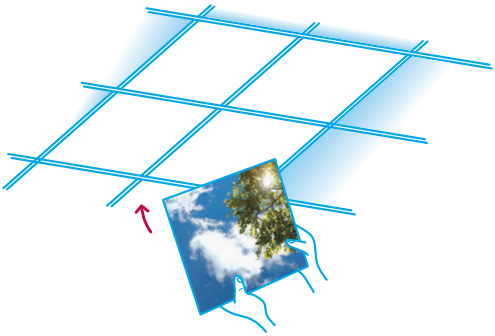


Create a dustfree environment and unbox the panels

Wear gloves

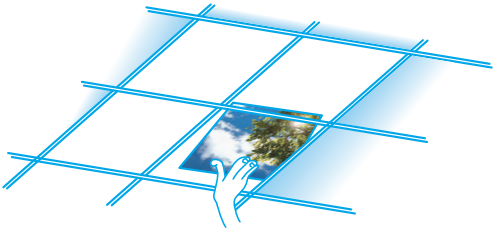
2 Place the panels

1



2

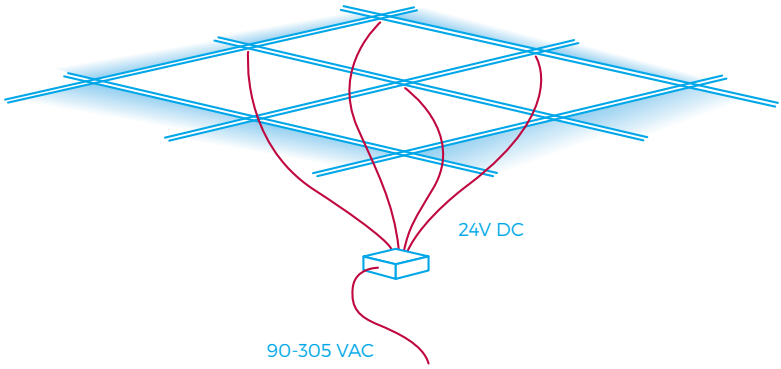
3



- Check out the layout for proper placement. Direction arrows and numbers are placed on the back of the panel and on the layout.
- Avoid touching the panel on the image and in the middle. Preferable only on the aluminium frame to avoid fingerprints and lightgaps.

Caution: if the panels are provided with safety cables, please attach them to concrete ceiling.

3 Connect the LED driver



- Connect the 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 powersource on a dry and save place.

Notice: LED drivers MUST be installed OUTSIDE of the magnetic field in an MRI suite. Check the 'Extra Information - MRI' (step 5) on page 8.

4 Final Checklist

Do all the panels sit evenly in the grid?

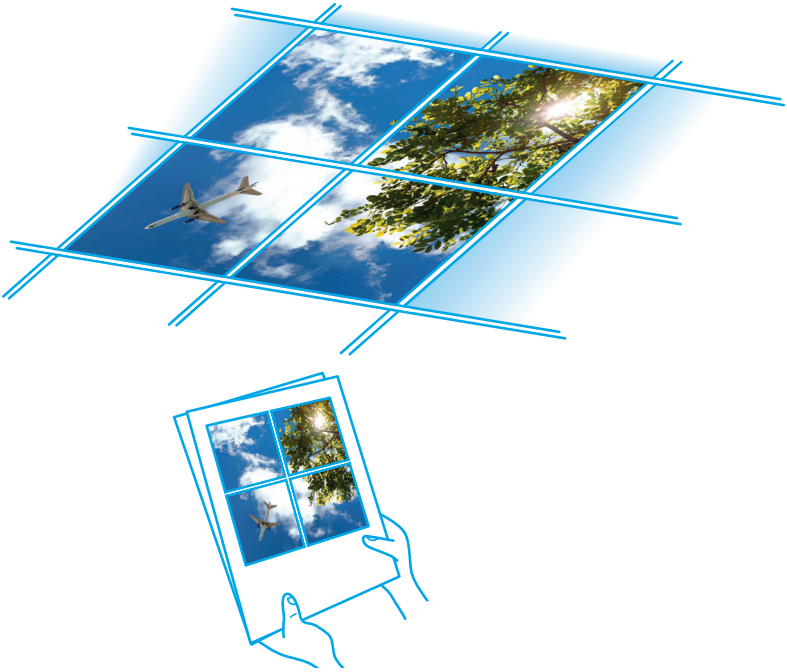
- Hanger wire can force a panel to sit off center. If so, re-attach the wire.
- If grid is not installed square, the panels will sit unevenly in the opening. If so, adjust grid so it is square.

Is the image evenly lit?

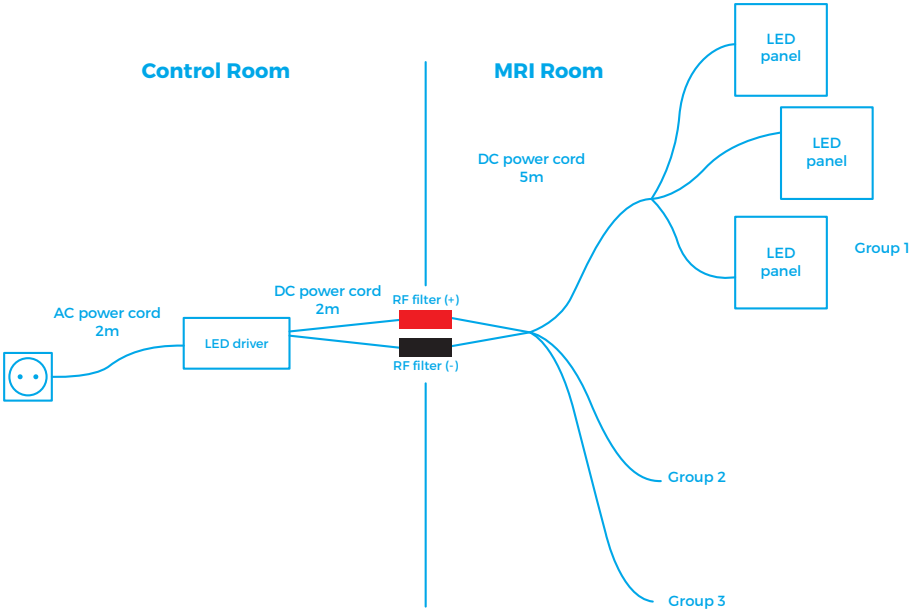
- If one or more panels are dark, one or more panels are not working. Re-check wiring.

Does the image match the layout image?

- Are the tiles in the correct position and orientation?



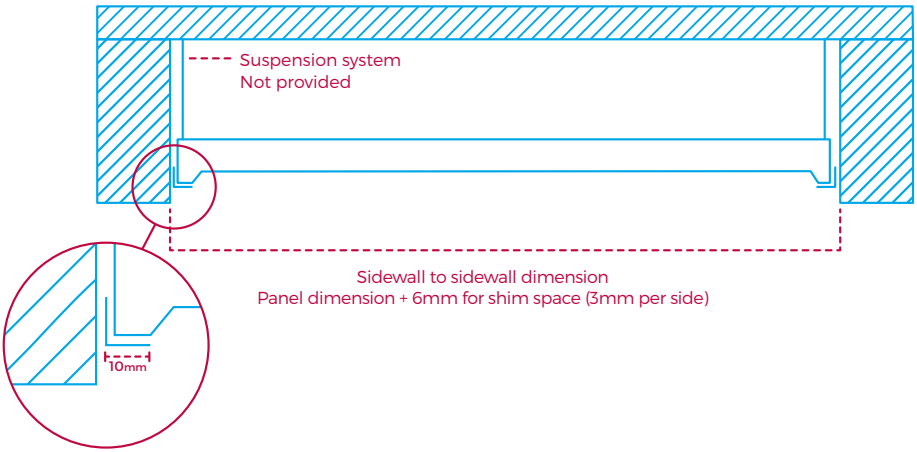
5 Extra Information
MRI



Installation in MRI Suites goes according to previous steps. This step is in continuation to step 3. The LED driver should be placed outside the MRI Suite. The use of RF-Filters is advised.

Caution: use only non-ferro equipment.

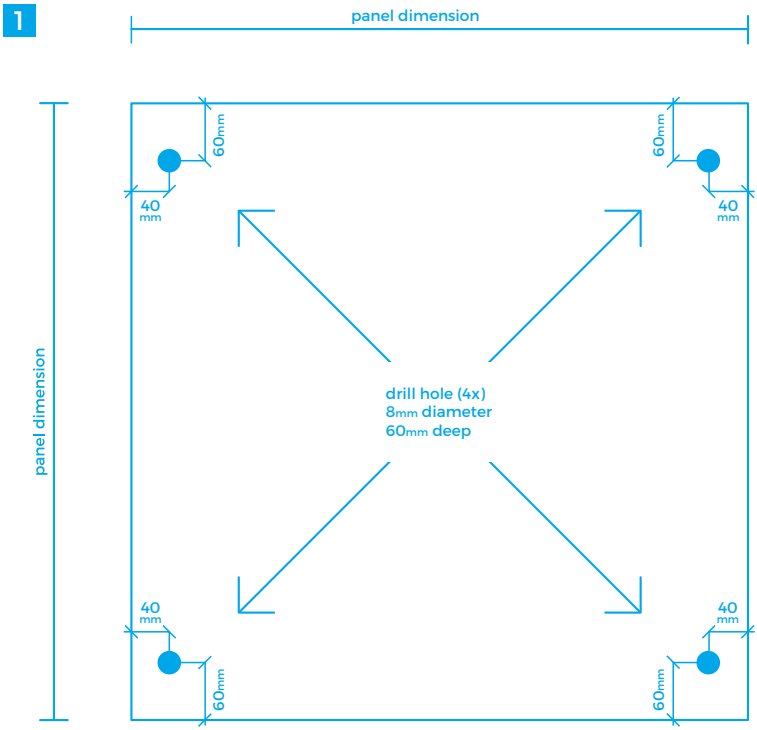
6 Extra Information
Recessed installation



Recessed installation goes according to previous steps. However there is no grid system. So a profile needs to be created for the panels. Please advise a skilled installer for the right materials and right construction.

Caution: please check panel weight for construction to be sure.

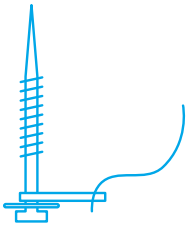
7 Extra Information
Surface installation



Drill the holes according
to this drilling instuction

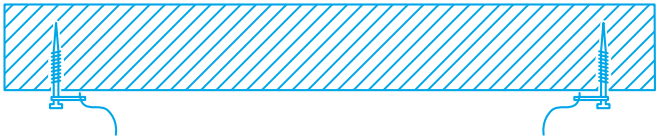
Caution: make sure your surface and materials are strong enough to support the weight of the panel.

2



Attach safety cord to the screw

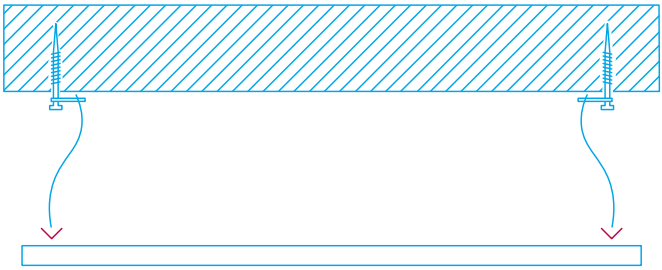
3



Turn the plugs and screws
into the ceiling

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

4

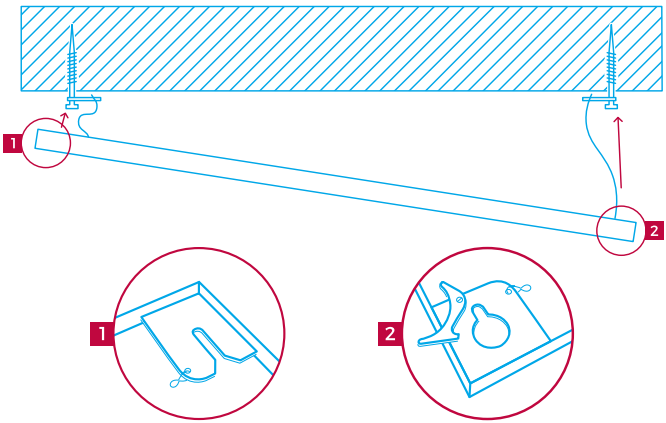


Attach safety cord to the panel

5

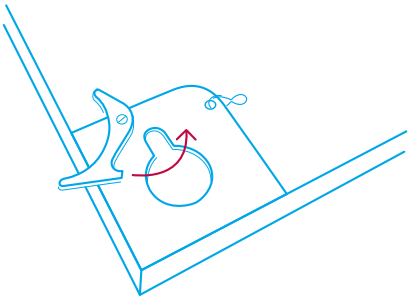
Connect the LED driver

6



Slide the panel on to the screws

7



Lock the panel

Specifications
Standard & Plus 60x60, 60x120, 120x120

1 Light panel

- Color temperature: 6500K
- Strict LED binning standards assure consistent & high quality illumination
- Housed in white powdercoated lifter, extruded (non-ferrous) aluminium frame
- Use in MRI, and other RF-free environments

2 Graphic

- High resolution reproduction from digital image file
- Color-calibrated for daylight quality light source
- Non-glare lamination
- Fade resistant
- Pigmented ink with UV protection

3 Acrylic

- Acrylic, Acrylite or polycarbonate substrate
- Glare finish
- Non-glare matte finish optional

4 Lifter frame

- Moist resistant, light weight aluminium
- Quick and easy installation
- Powdercoated, white matte finish to match standard grid
- Other colours are optional
- Compatible with 15 or 24 grid systems
- Precision machined corners

5 Electrical

- Meanwell LED driver
- Size and quantity per installation calculated by us
- Converts 90-305V AC to 24V DC
- Dimmable options on request
- Technical Specifications sheet can be delivered on request

Items not provided:

- Dimmer wiring between 24V DC power system and switch/dimmer control box
- RFI/EMI filters for MRI installations

		Standard	Plus (extra LED)
Size	60x60 EU	592 x 592 x 50mm	592 x 592 x 50mm
	60x60 DE	617 x 617 x 50mm	617 x 617 x 50mm
	60x120 EU	1192 x 592 x 50mm	1192 x 592 x 50mm
	60x120 DE	1217 x 617 x 50mm	1217 x 617 x 50mm
	120x120 EU	1192 x 1192 x 50mm	1192 x 1192 x 50mm
	120x120 DE	1217 x 1192 x 50mm	1217 x 1192 x 50mm
Weight	60x60	4kg	4kg
	60x120	8kg	8kg
	120x120	16kg	16kg
Durability		>50.000hrs	>50.000hrs
Watt	60x60	12,5	25
	60x120	25	50
	120x120	50	100
Lumen	60x60	1250	2500
	60x120	2500	3750
	120x120	5000	5000