# OpenCeilings
### bring the outside inside

## Installation manual OpenWall

Article number:
Edition: 31-08-2023

CE

# Table of Contents

# 1. Introduction

This manual provides the important and necessary information about the installation of the OpenWall. Read the manual carefully so that you are familiar with the entire contents. Follow the instructions in the manual carefully. Always perform the tasks in the correct order.
This manual needs to be stored in a safe, dry and shadowy place. If the manual is lost, a new copy can be requested from OpenCeilings.

# 2. Safety measures and warnings

**Important notes:**
- When using electrical devices, all safety rules need to be taken into account to prevent the risk of fire, electric shock or bodily injury, etc.
- Please read the safety warnings and precautions before installing and commissioning the OpenWall.

- Follow the instructions and guidelines described in this manual carefully during installation. Never change the order of the steps to be completed. If any aspect of the installation process is unclear, please contact OpenCeilings or its authorised representative.
- Subject to technical changes, without written notification.

**Mounting**
- Keep to the applicable standards and legal regulations while installing.

- We recommend having the OpenWall mounted by 2 people, as a standard (qualified technicians / recognised installers).

- Check the supply immediately after receipt. We request you to contact your supplier immediately in case of damage or incomplete supply.

- The materials need to be stored in a dry, ventilated space, not exposed to direct sunlight.

- Open the package carefully. Ensure that you do not damage the product.
 Remove any available protective film and transport package of the OpenWall.

- To prevent damage to the OpenWall, place the parts on a soft, clean and flat surface.

- The OpenWall is only intended for application in a well-ventilated space.

- Mount the OpenWall on a flat, fire-proof/heat-resistant wall with sufficient load capacity.  Ensure that the surface is clean and dry and that the OpenWall is level.

- The kind of means of fastening for wall mounting depends on the type of surface (steel, concrete or wood). The means of fastening need to be determined by the installer and are not delivered by default.

- Adding or removing parts other than in the prescribed manner, may have a negative influence on the safety of the OpenWall and is thus to be strongly discouraged.

- Make sure that all means of fastening are properly tightened.

# Safety measures and warnings (continued)

### Electrical connections (general)
- The OpenWall is supplied with a Type C flat plug (ungrounded).

- Check whether the voltage, indicated on the LED Power Supply, corresponds to the voltage of the electrical point to which you want to connect. The current supply must satisfy the applicable legal standards and national legislations.

- It is recommended that customer should install overvoltage and undervoltage protection devices and surge protection devices in the power supply circuits of the light fixtures to ensure safety before connecting to electricity.

- Do not use the OpenWall in a surrounding with risk of fire close to gas tanks, gas pipes or sprays. This gives rise to risk of explosion and fire.

- Always switch off the OpenWall if you are no longer using it. Remove the plug from the socket.

- If you notice shortcomings or a fault when using the OpenWall, then immediately deactivate the device and cut off the power connection. There is risk of fire, injury or damage in that instance.

- If the OpenWall, electric cable or plug show damage or fault, contact your supplier, the manufacturer or a recognised service point for repairs or replacement. Do not carry out any repair work yourself, it may be dangerous.

### Installation LED Power Supply (with or without external dimmer)
- Before commencing any installation or maintenance work, please disconnect the power supply from the utility. Ensure that it cannot be re-connected inadvertently!

- Keep proper ventilation around the unit and do not stack any object on it. Also a 10-15 cm clearance must be kept when the adjacent device is a heat source.

- Mounting orientations other than standard orientation or operate under high ambient temperature may increase the internal component temperature and will require a de-rating in output current. Please refer to the specification sheet to receive the optimum mounting position and information about the de-rating curve.

- Current rating of an approved primary /secondary cable should be greater than or equal to that of the unit. Please refer to the appendix.

- For LED power supplies with waterproof connectors, verify that the linkage between the unit and the lighting fixture is tight so that water cannot intrude into the system.

- For dimmable LED power supplies, make sure that your dimming controller is capable of driving these units.

- Wiring: The wire color will vary by country, please refer to the appendix.

- Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician. Please do not remove the case of the power supply by yourself!

- Risk of irreparable damage. LED power supplies must be located indoors in a location where these units can be sheltered from the rain.

# Safety measures and warnings (continued)

- Please do not install LED power supplies in places with high ambient temperature or close to fire source. Please refer to the specifications about the maximum ambient temperature limitations.

- Output current and output wattage must not exceed the rated values on the specifications.

- All MW's PSUs are designed in accordance with EMC regulations and the related test reports are available by request. Since they belong to component power supplies and will be installed inside system enclosure, when they are integrated into a system, the EMC characteristics of the end system must be re-verified again.

## Cleaning & maintenance
- Remove the tension from the device before you clean the device for your own safety.

- Clean the OpenWallwith a damp soft cloth and/or with a recognised neutral cleaning agent. Do not use any aggressive cleaning and/or abrasives.

- The OpenWall must be checked at least once a year for connections and damage. Immediately remove defects such as loose connections, etc.

- Repairs and maintenance to parts of the OpenWall may only be done by specialist staff qualified for the purpose / qualified installers and/or electricians.

## Disposal
- Dispose of the product in accordance with local legislation and regulation.

OpenCeilings does not accept any liability whatsoever for any damage or injury as a result of not (strictly) observing the safety regulations and instructions in this manual, or of neglecting while transporting, assembling, using and maintaining this product and any accompanying accessories.
OpenCeilings is not responsible for any kind of damage.

# 3. Product overview

## 3.1 Parts overview (exploded-view)

**1.**

**2.**

**3.**

**4.** **5.** **6.**

**7.**

**4.** **5.** **6.** **7.**
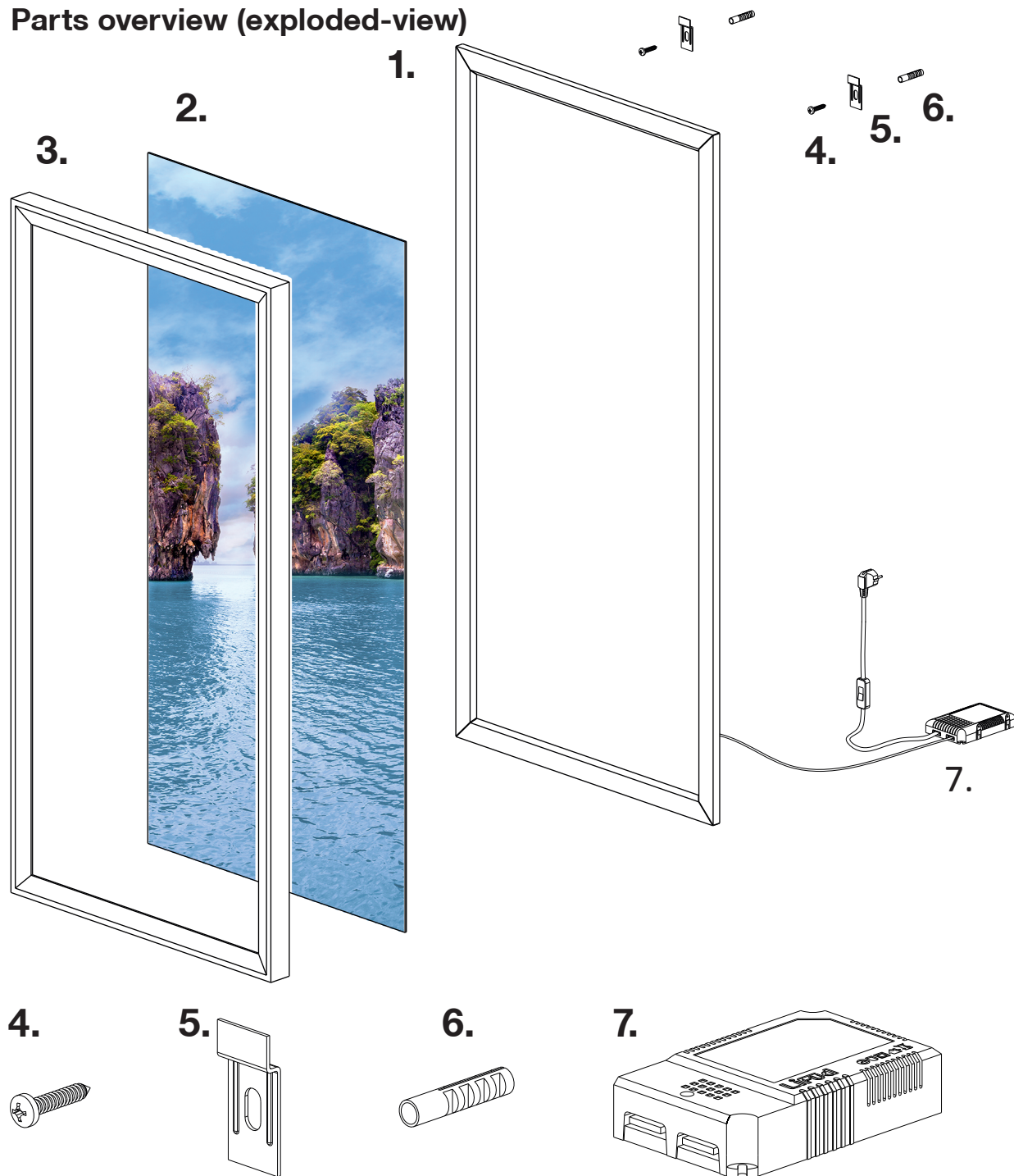
## 3.2 Parts list

| REF. NO. | DESCRIPTION | QUANTITY |
|----------|-------------|----------|
| 1 | Led panel | 1 |
| 2 | Photo panel | 1 |
| 3 | OpenWall frame | 1 |
| 4 | Screws | 2 |
| 5 | Wall hook | 2 |
| 6 | Plug | 2 |
| 7 | Driver LIFUD-GSD060YC | 1 |

**Attention!**
The OpenWall panels are available in dimensions (WxH) 60x60cm and 60x120cm. In this manual, the default is 60x120 cm.

# 4. Overview of tools

Below you will find an overview of the required tools.
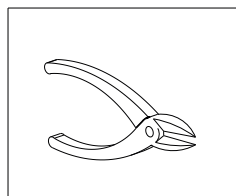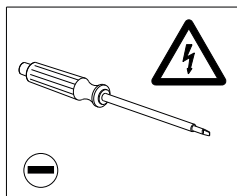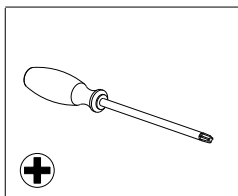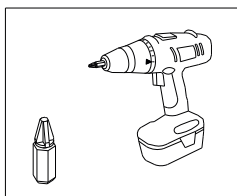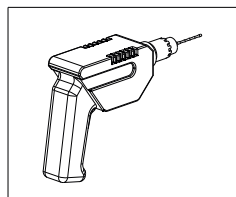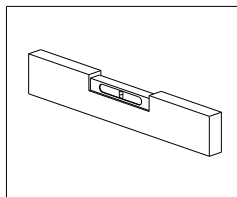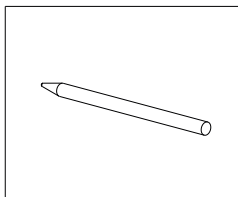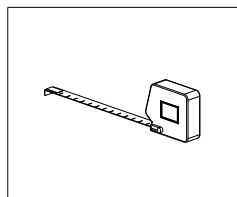
# 5. Installation steps

## 5.1 Marking and drilling assembly holes on wall

1. Determine the position on the wall where OpenWall should come and mark the contours of the Open-Wall frame with the pencil on the wall.

2. Mark the position of the mounting holes on the wall. The holes should be at a distance of 65 mm from the top edge. The heart of the holes should comprise at a mutual distance of 470 mm.

**CAUTION:** Make sure the holes are level and completely level with respect to each other.

3. Drill the 2 holes in the wall. **CAUTION:** Match the diameter of the mounting holes on the required fasteners.
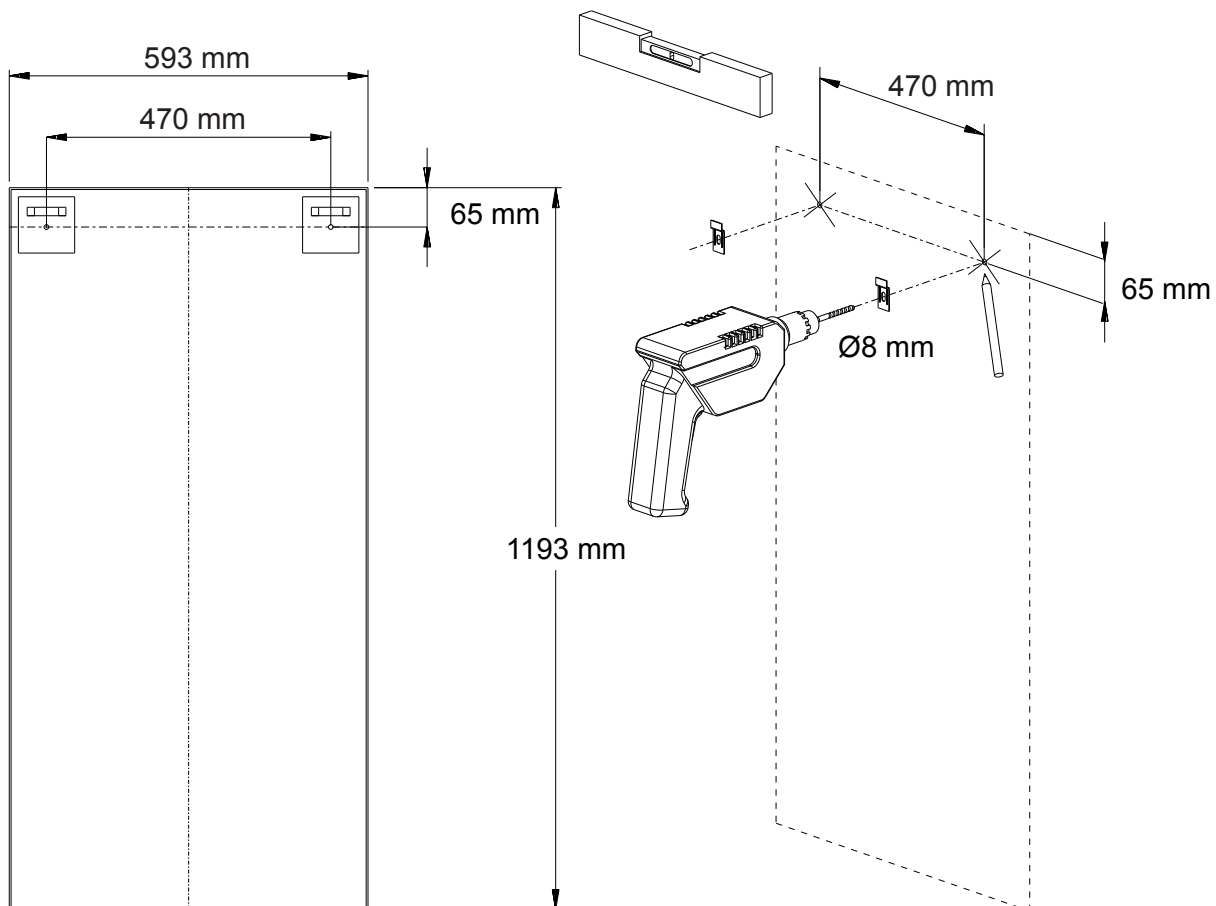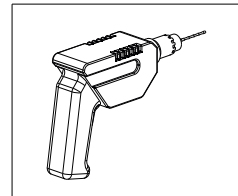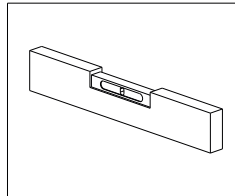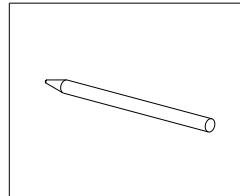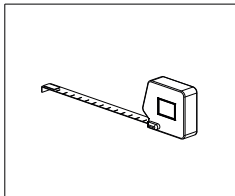
BACKSIDE OPENWALL

## 5.2 Attach wall hooks with screws & plugs

1. Insert the plugs into the wall. **CAUTION:** Use only plugs with a wall of stone, concrete or plaster.
2. Fit the 2 wall hooks with the screws on the wall.
3. Adjust the wall hooks at the same height. And make sure they are level.
4. Tighten the screws firmly.
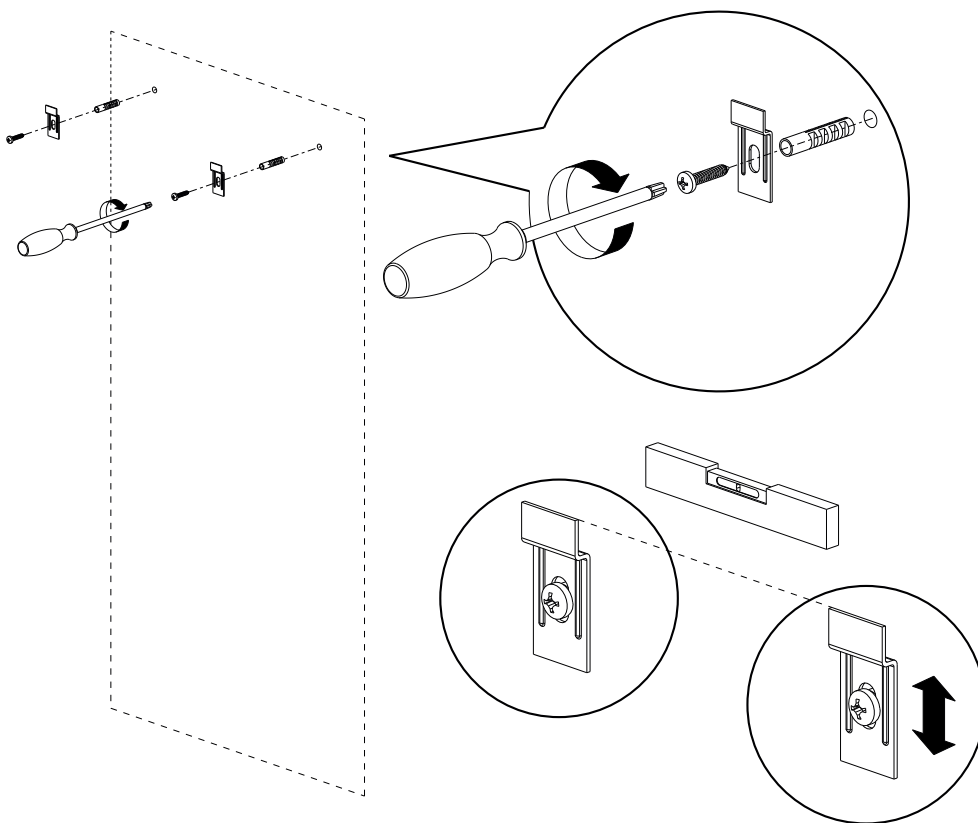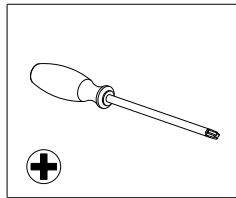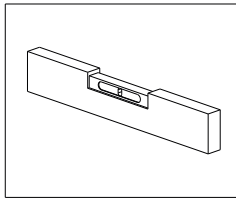
## 5.3 Connect the Lifud-GSD060YC driver

### Description Lifud-GSD060YC

Lifud-GSD060YC is a 60W LED AC/DC constant current mode output LED driver featuring the multiple levels selectable by dip switch. The input voltage range is 198-264VAC. The output current can be adjusted via the DIP switch from 1100mA to 1500mA, in steps of 50mA.
Lifud-GSD060YC is equipped with various functions, such as the dimming function and synchronization.

**CAUTION:** Before commencing any installation or maintenance work, please disconnect the power supply from the utility. Ensure that it cannot be re-connected inadvertently!

1. Remove the driver's cover with a screwdriver.
2. Connect the LED panel wiring to the driver.
3. Connect the power supply (AC) to the driver. At TB1 at position 1: AC / L and position 2: AC / N
4. To set and use the dimming and synchronization see the information of the Driver Lifud-GSD060YC (https://www.lifud.com)
5. Install the driver's cover with a screwdriver.
6. Turn on the power supply and check that the LED panel is operating properly.
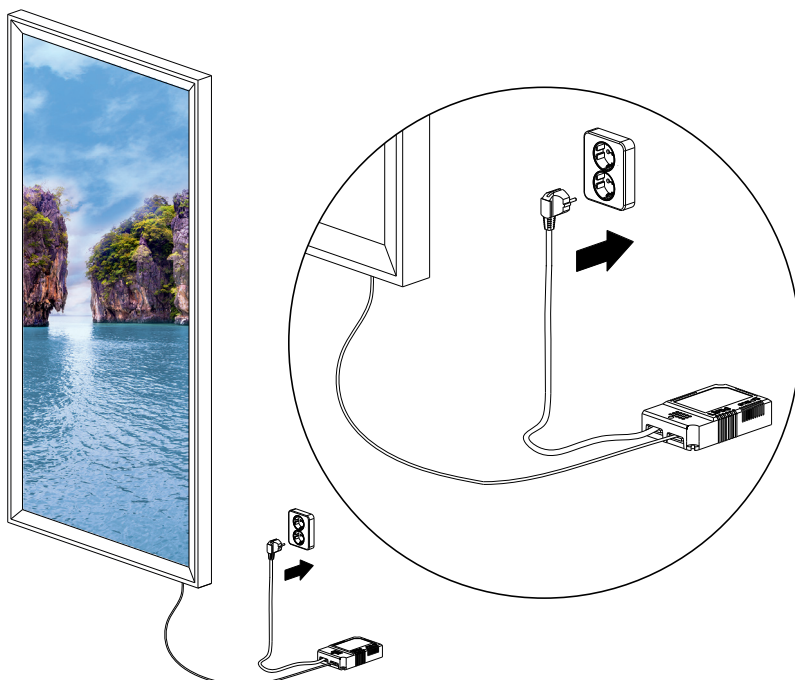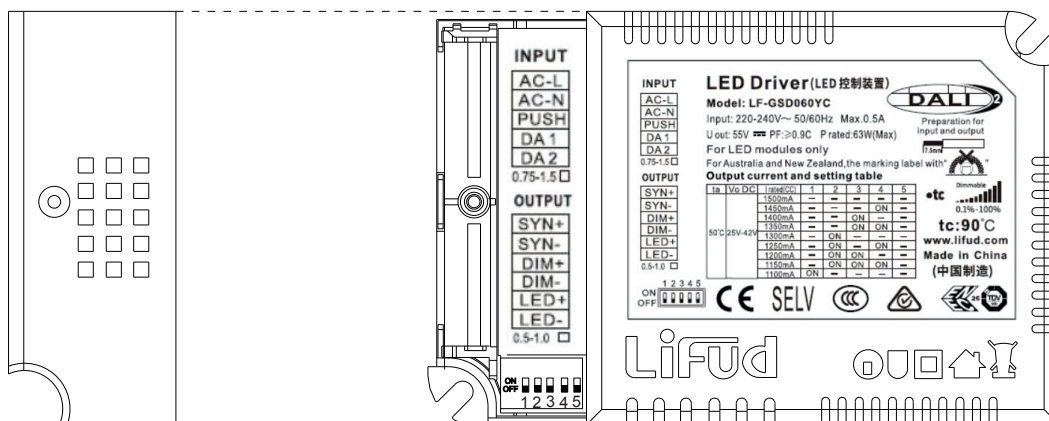
## 5.4 Attach OpenWall to wall hooks

1. Carefully place the OpenWall over the wall hooks.
2. Center the OpenWall and make sure it is straight and level.
3. The OpenWall installation is now ready!
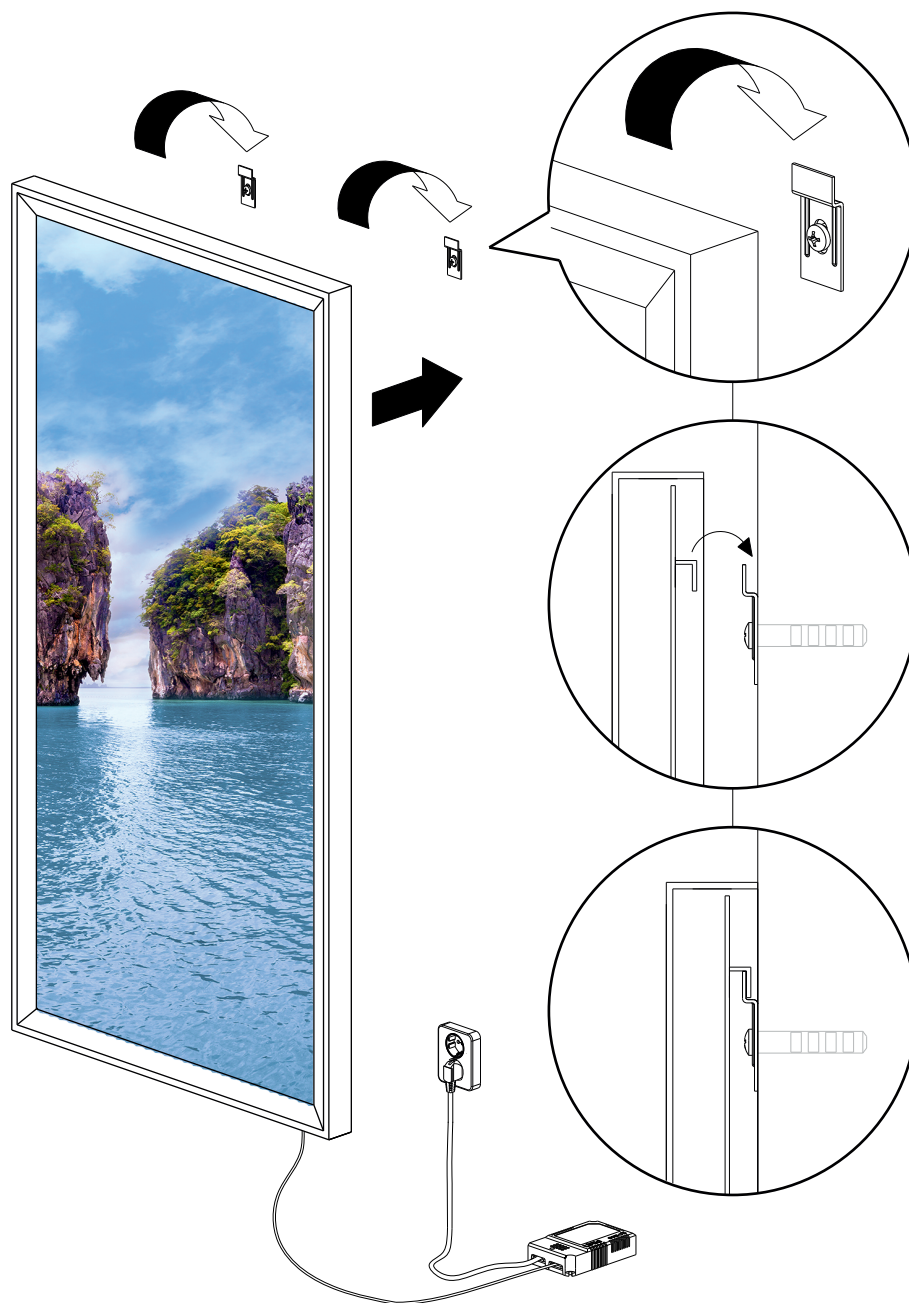
# 6. Declaration of Conformity

## EC DECLARATION OF CONFORMITY

Manufacturer:        OpenCeilings
Amsterdamsevaart 24
2032 EB, Haarlem
The Netherlands

Declares with some responsibility that the product the OpenWall, a system with LED-Illumination with which a photographic illusion of a window can be realized. Article number:
Is compliant with the following standards:

Low voltage directive 2006/95/EC.
EMC directive 2004/108/EC.
WEEE-directive 2002/96/EG
RoHS-directive

According to the harmonised standards under the directive:

-NEN-EN-ISO 12100:2010
-NEN-EN-IEC 60204-1:2006
-NEN-EN-IEC 61547:2009

City:        Haarlem
Date:        31-08-2023
Name:        OpenCeilings

Director:        Dhr. Roderick Villevoye

# 7. Contact

**OpenCeilings**
Amsterdamsevaart 24
2032 EB, Haarlem
The Netherlands

| | |
|---|---|
| Tel: | +31 (0)20 8202190 |
| E-mail: | info@openceilings.nl |
| Internet: | www.openceilings.nl |

# 8. Appendix

**Technical specifications**

LIFUD-GSD060YC-specs (PDF)
LIFUD-GSD060YC datasheet (PDF)
LED_EN (PDF)