



Live the Sauna Life!

Xperience-Series Model X2

## **INSTALLATION MANUAL**



## 1. Preparations

- Sauna package must be stored in a heated and dry room.
- Prior to installation the package must be opened and stored for 48h to adjust to relative humidity of the room (22°C, 40-60% RH).
- Ensure the sauna model fits in the designated room with sufficient extra room for ease of installation.
- Clean the location of sauna with care in order to not damage any details, elements
- Room must be well ventilated and with water drain on or near the position of the sauna.
- Sauna is intended to be installed on a level surface to ensure proper installation and quality of the installed product.
- Adequate electrical supply must be ensured for electrical components of the sauna. Refer to user manuals of respective products.
- Electrical connections to the power grid and to the sauna may only be carried out by legally competent and certified specialist.
- Producer cannot be held responsible for any errors resulting from disregard to the levelness of substructure, inadequate storing conditions, inadequate power supply, unauthorized alterations to components or any other circumstances occurring from deviations described in this manual and/or good customs.

## 2. List of tools

- Water level
- Tape measure
- Power drill
- Rubber or plastic mallet
- Silicone gun
- Screwdriver set

Installation of a sauna requires at least two (2) persons.

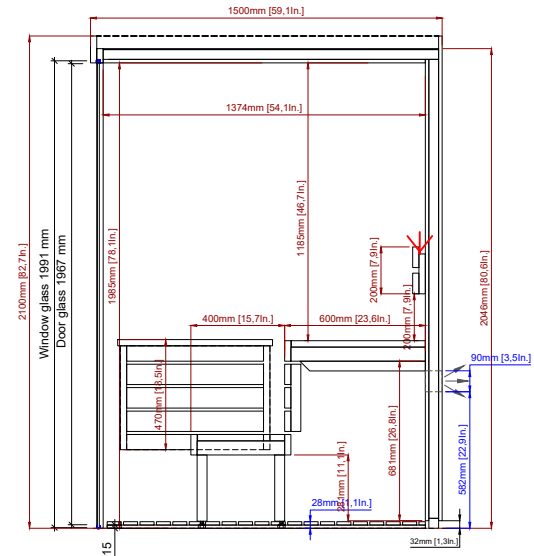
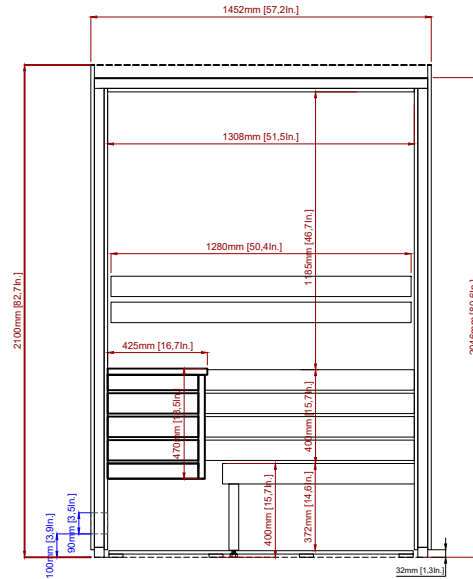
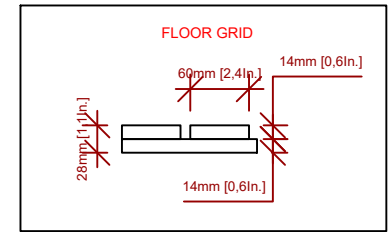
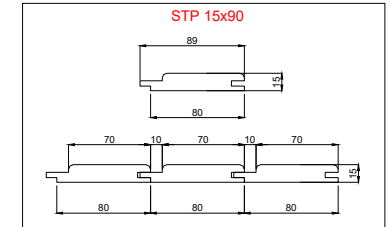
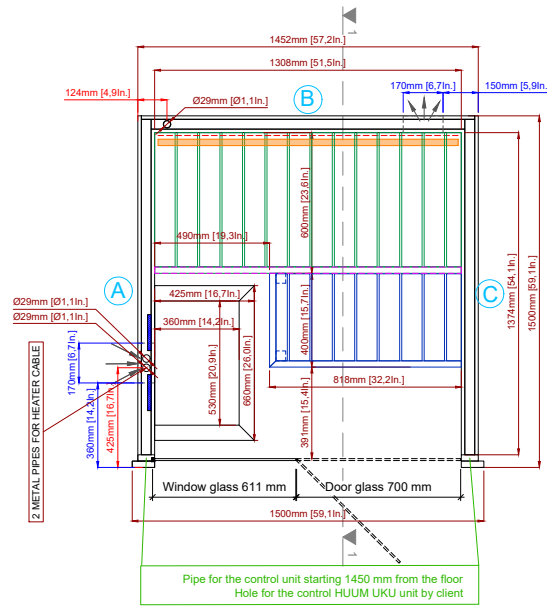
## 3. Installations

- Follow the instructions precisely.
- Always start from 1 and continuously move forward in an organized manner.
- Keep the installation site always clean and organized.
- This manual does not take into account any possible peculiarities of the installation site.
- Take care not to damage any components during installation due to dropping, dragging or careless handling.
- Special attention towards elements - they must be stored with care and kept away from any hard or sharp objects. Glasses are tempered and even smallest damages to the surface or corners can lead to concentration of stress and shattering of the glass.

NB! The sauna includes a "survival kit," which consists of additional materials for sauna repairs.

LEGEND	
	WALL LABELLING
	VENTILATION AIR INLET IN THE WALL (108x170mm)
	VENTILATION AIR OUTLET IN THE WALL (80x170 mm)
	BACKREST
	UPPER BENCH
	LOWER BENCH
	BENCH SKIRT STATIONARY
	LED STRIP

### GLASS-GLASS HINGES PREMIUM HANDLE



TECHNICAL INFORMATION	
BASE FRAME	WOODEN BASE FRAME
INSIDE WALL & CEILING PROFILE	VERTICAL STP 15x90 SPRUCE (NOT WAXED)
OUTSIDE WALL PROFILE/MATERIAL	VERTICAL STP 15x90 SPRUCE (NOT WAXED)
INTERIOR MATERIAL	ASPEN (NOT WAXED)
INTERIOR (PRIVATE USE)	BENCHES, BACK GRID, BENCH SKIRT, FLOOR GRID (FULL FLOOR)
SAUNA DOOR/WINDOW	CLEAR 8 mm TEMPERED
HINGES	2x HINGES
HANDLE	PREMIUM HANDLE (WOOD / METAL)
LIGHTING	LED STRIPS BEHIND THE BACKREST (UP) + REMOTE CONTROL
HEATER AND CONTROL UNIT	BY CLIENT
CONTROL UNIT	BY CLIENT
PALLET LOADING	HORIZONTALLY PACKED

## BASE FRAME

1. Check substructure level. Sauna must be installed on a level surface.
2. Connect the base frame elements
3. Fix the elements with screws
4. Check baseframe diagonals for equality and right corners
5. Apply silicone under baseframe and fix in place

NOTE! If the sauna is to be moved after installation, silicone can be installed afterwards.

Figure a.

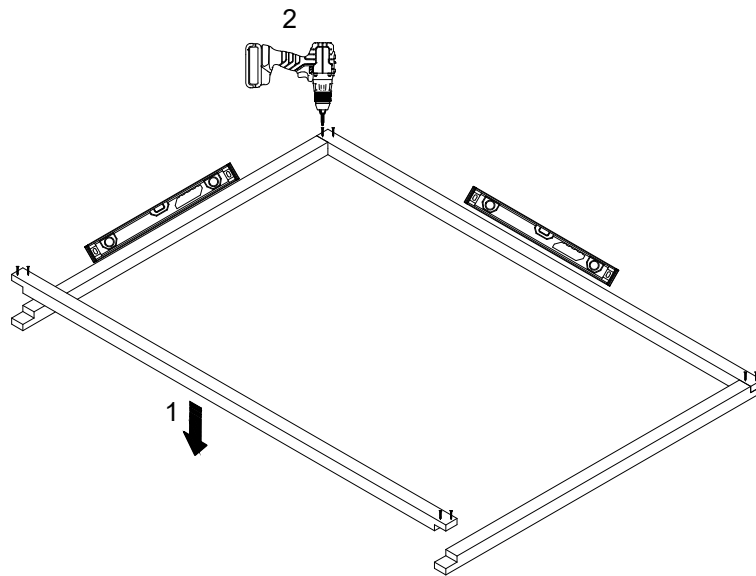
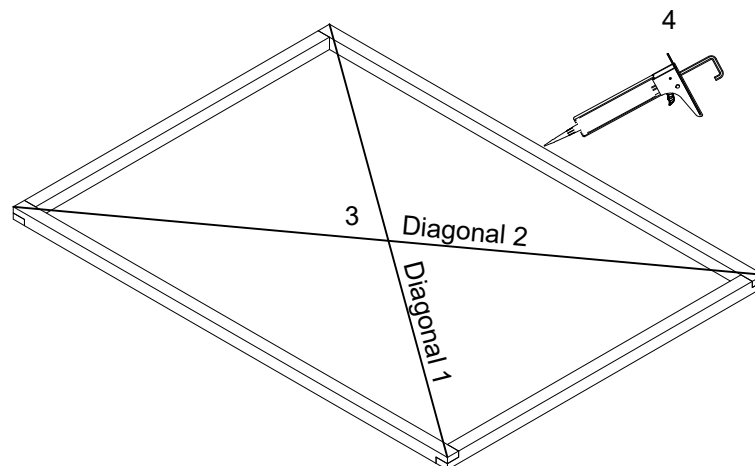
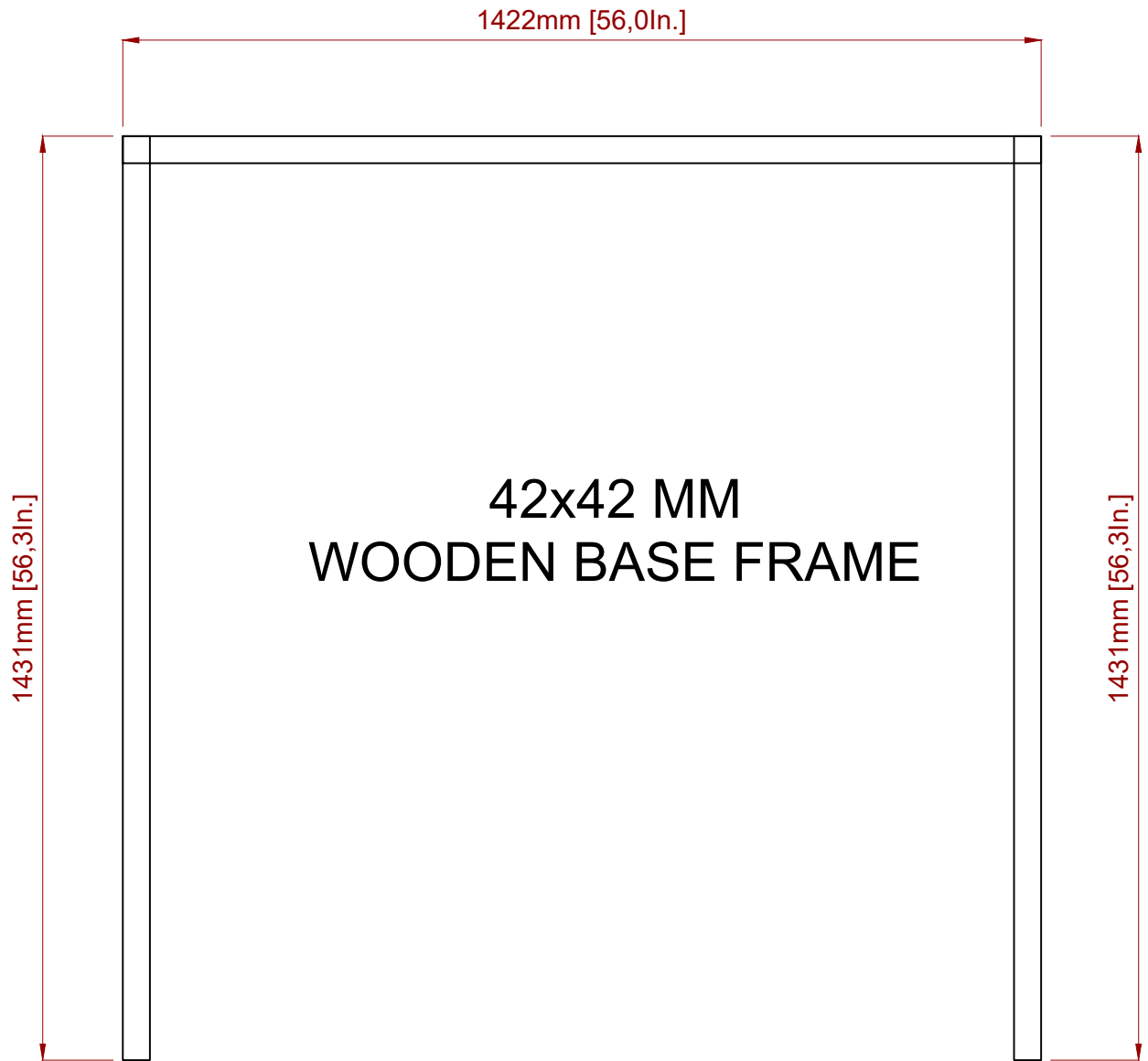


Figure b.

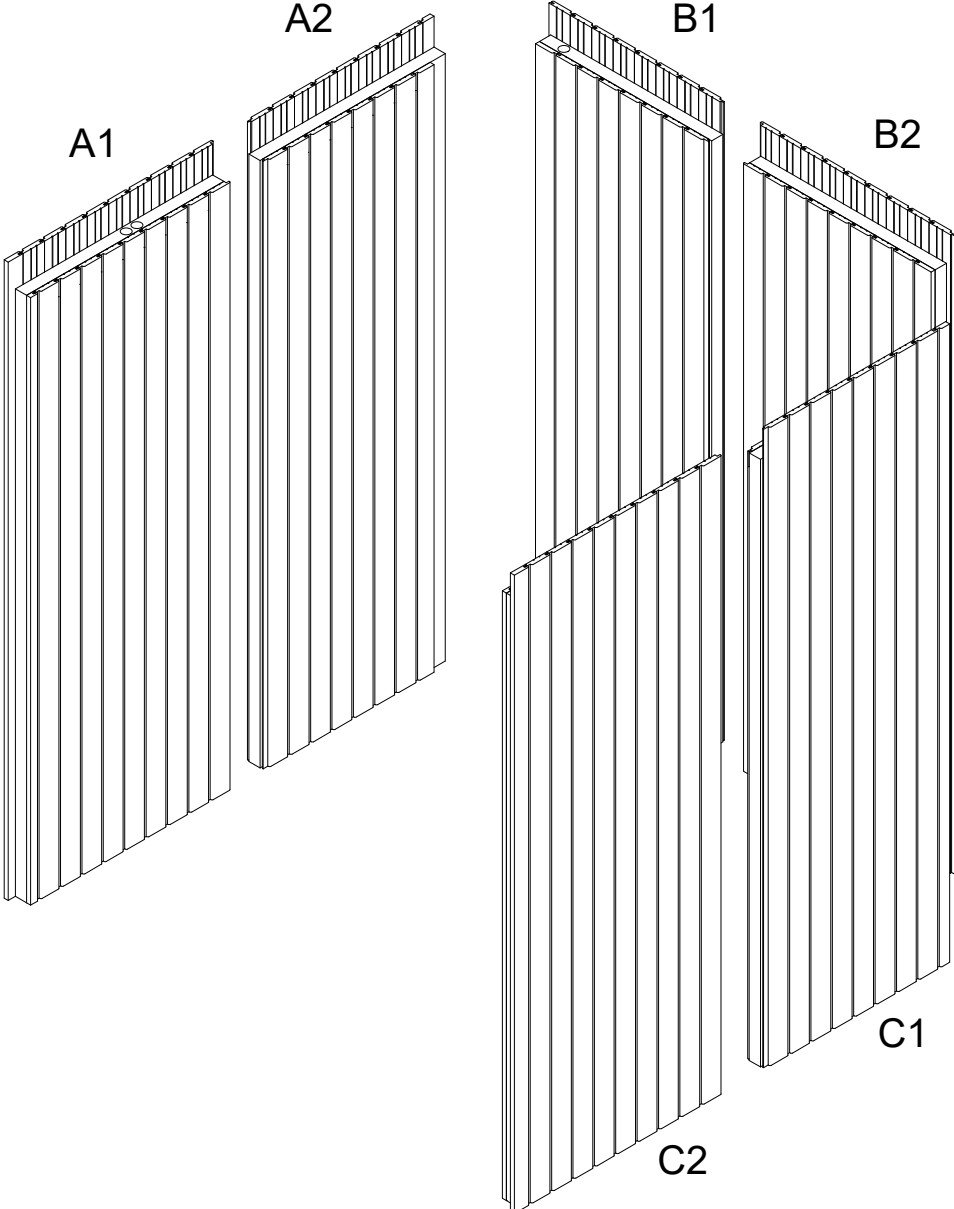


BASE FRAME



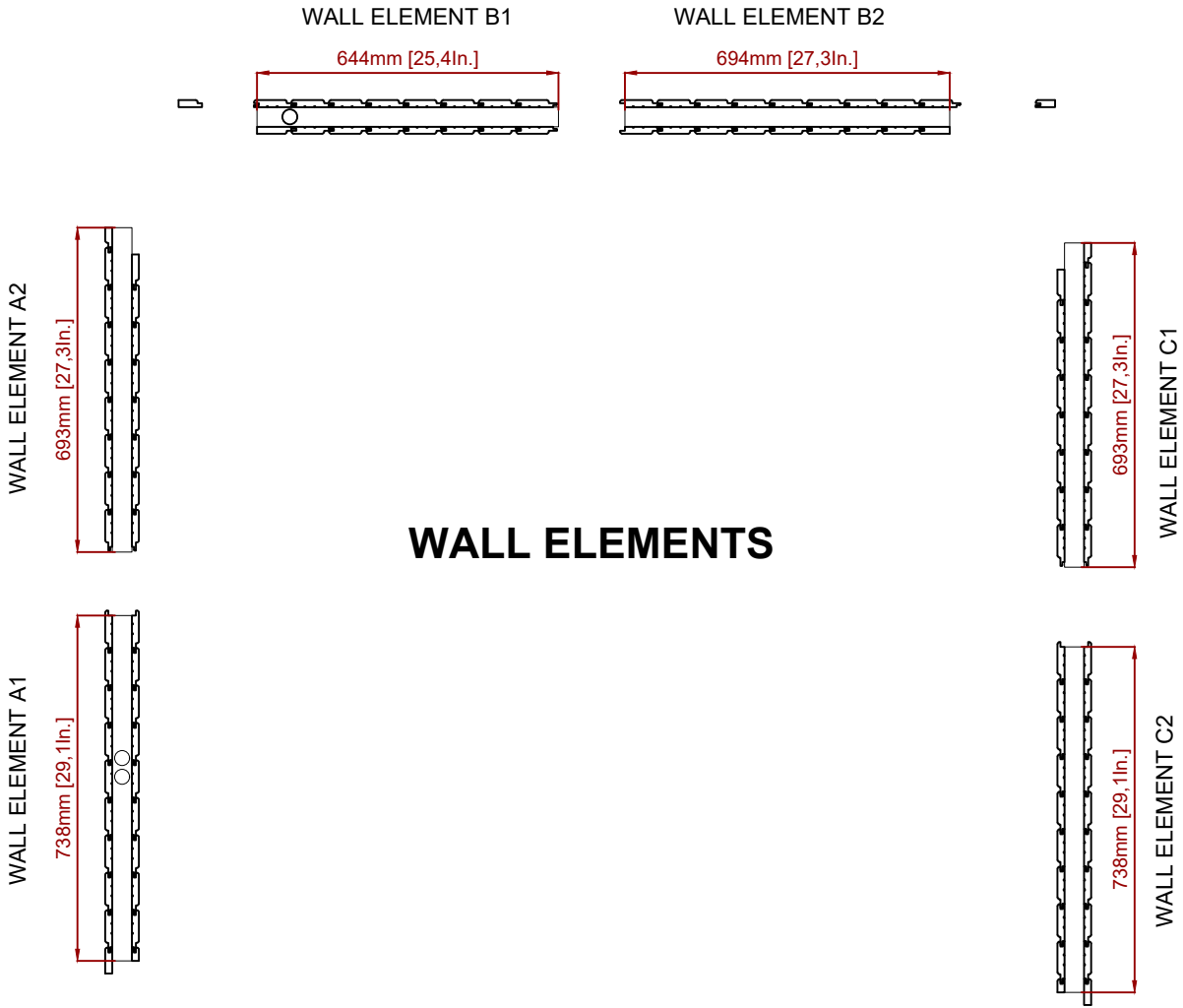
# VERTICAL WALL ELEMENTS

- 1. See your technical drawing on next page
- 2. Separate walls by letters
- 3. Control wall symbols on base frame



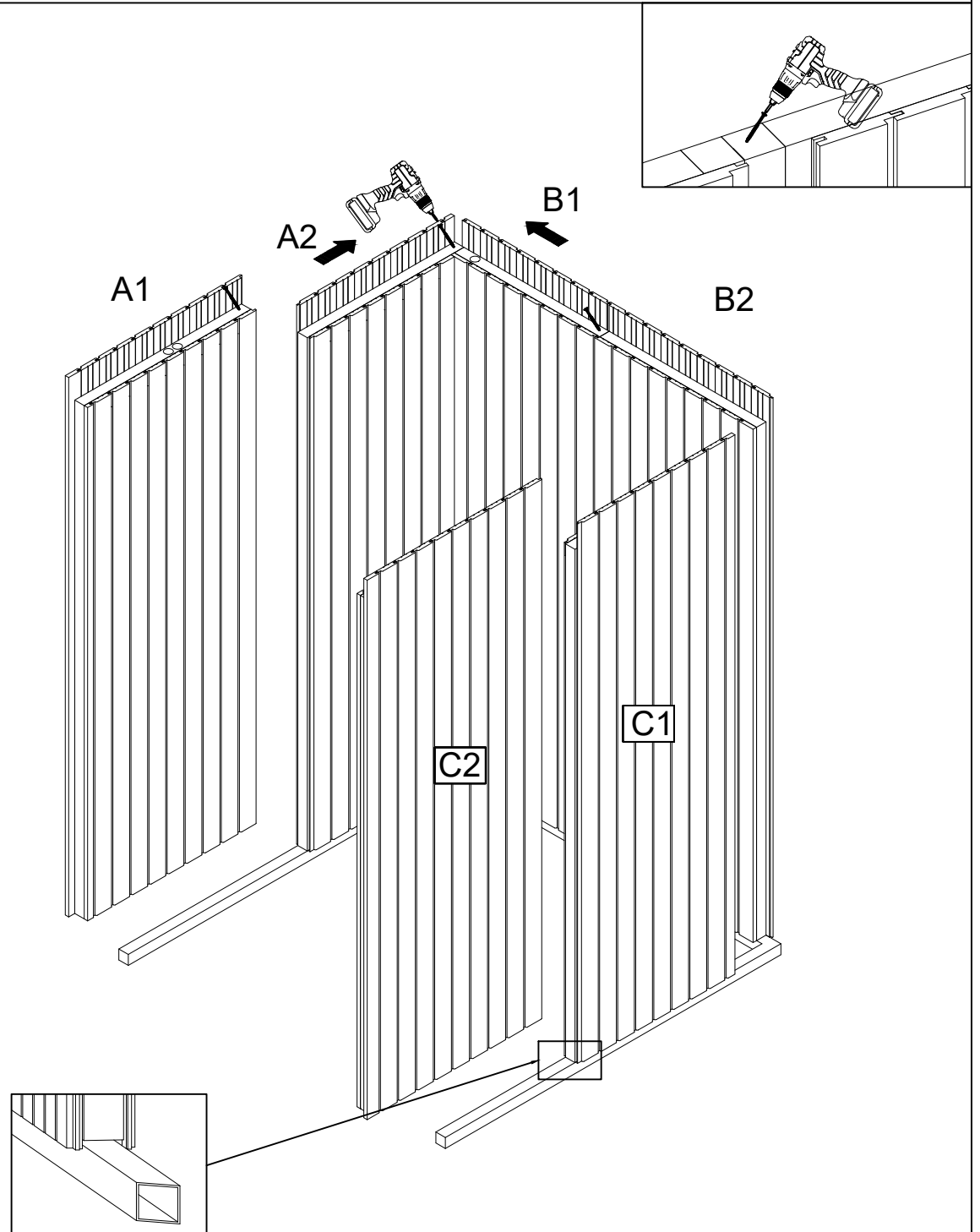
\*Example picture

# VERTICAL WALL ELEMENTS



# VERTICAL WALL FIXING

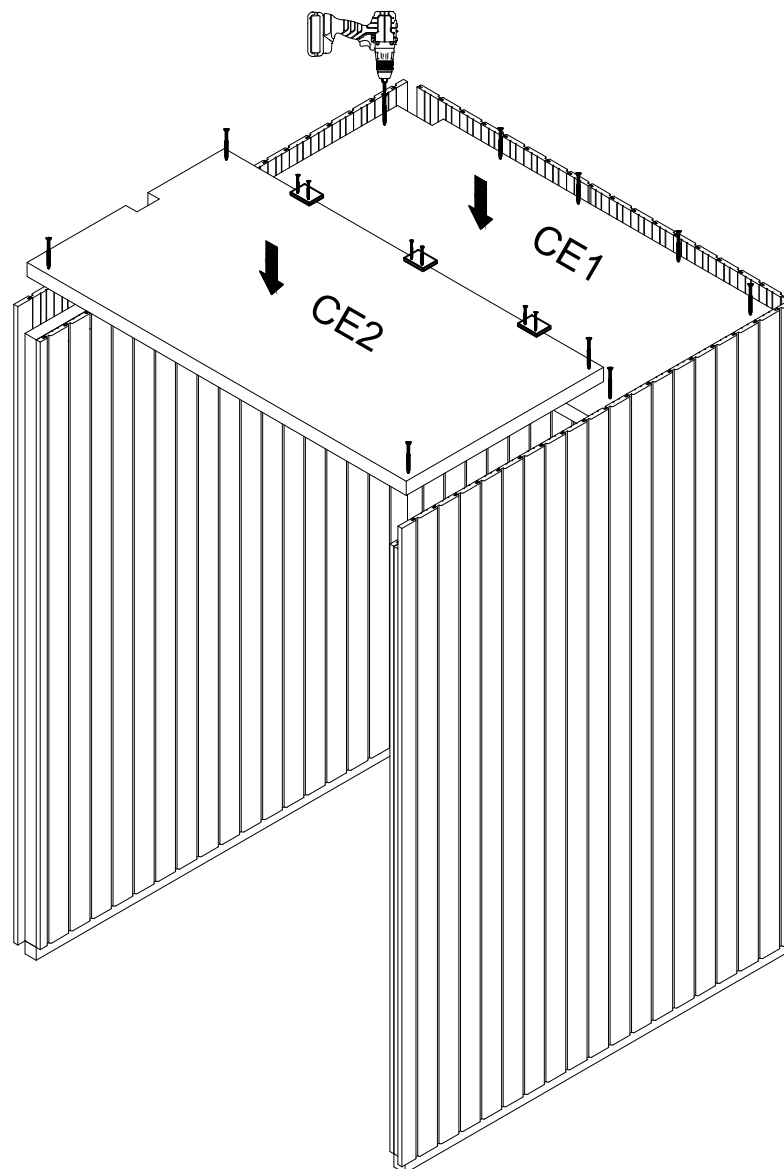
1. Start fixing walls from A-B corner
2. Place walls on base frame
3. Fasten screws from top
4. Fix corners outside



\*Example picture

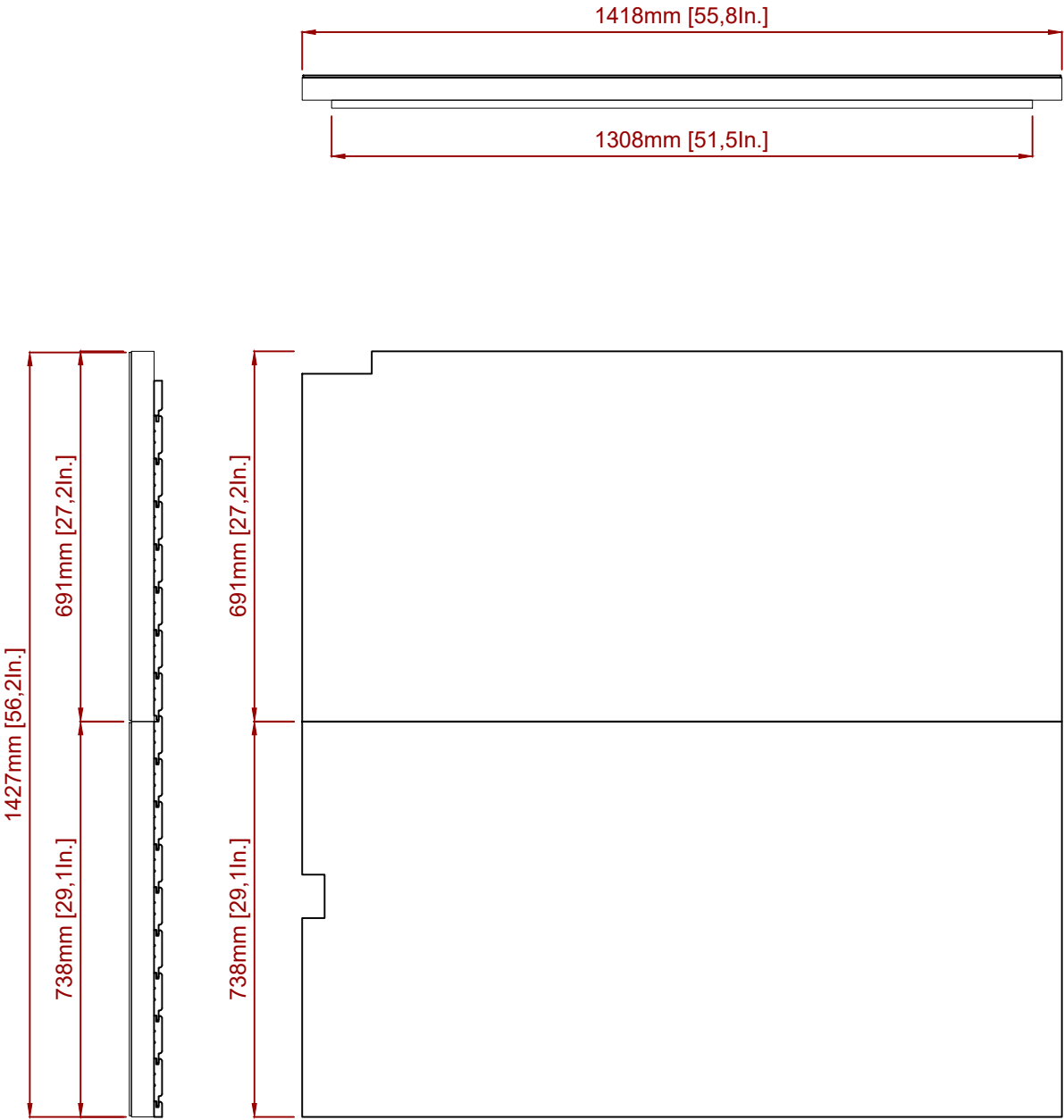
## CEILING ELEMENTS FIXING

1. See your technical drawing on next page
2. Start fixing from ceiling element 1
3. Pay attention to inside paneling
4. Fix screws from top
5. Use plywood blocks against paneling bend



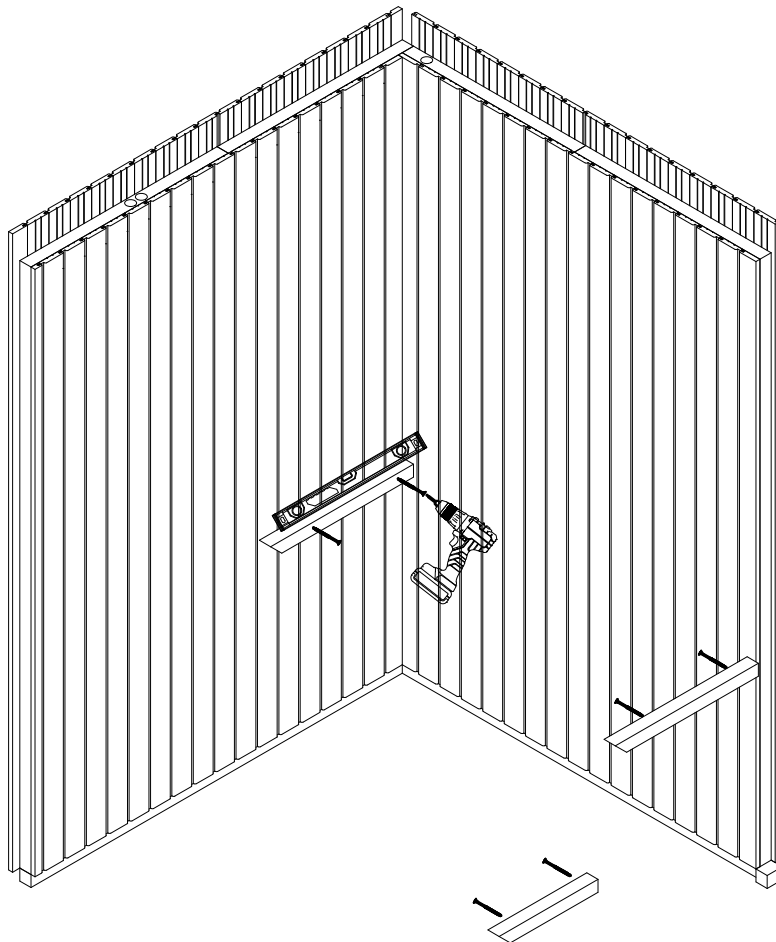
\*Example picture

# CEILING ELEMENTS



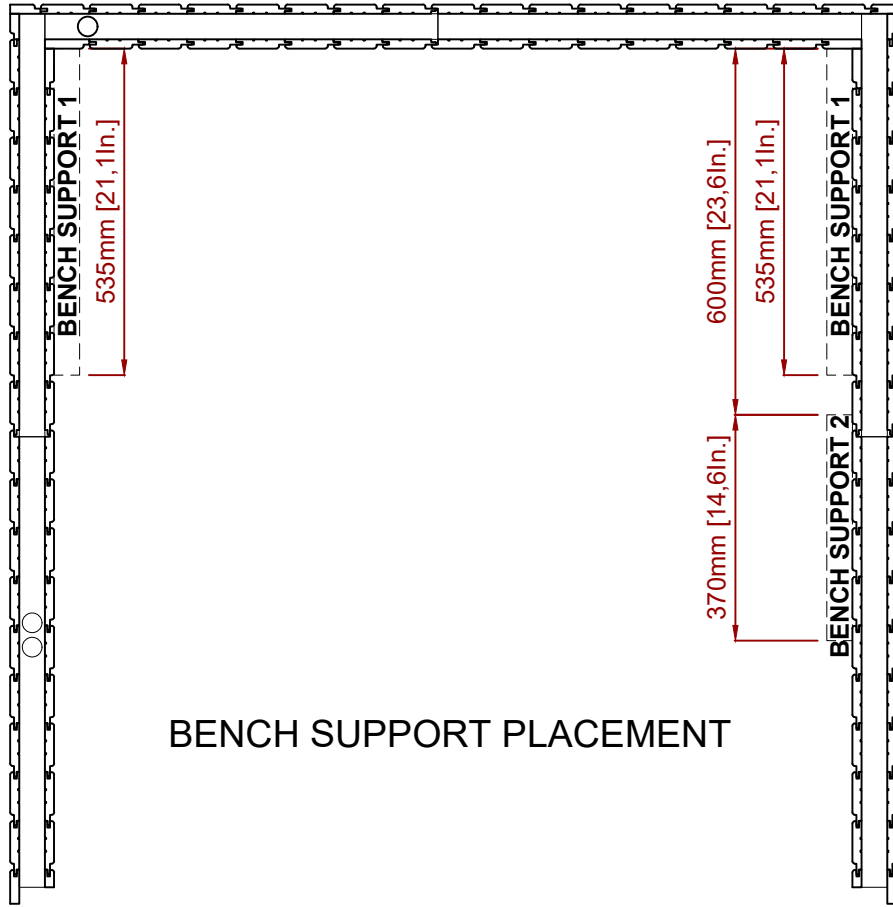
## HORIZONTAL BENCH SUPPORTS

1. See your technical drawing on next page
2. Measure right placement of supports
3. Check level
4. Fix screws

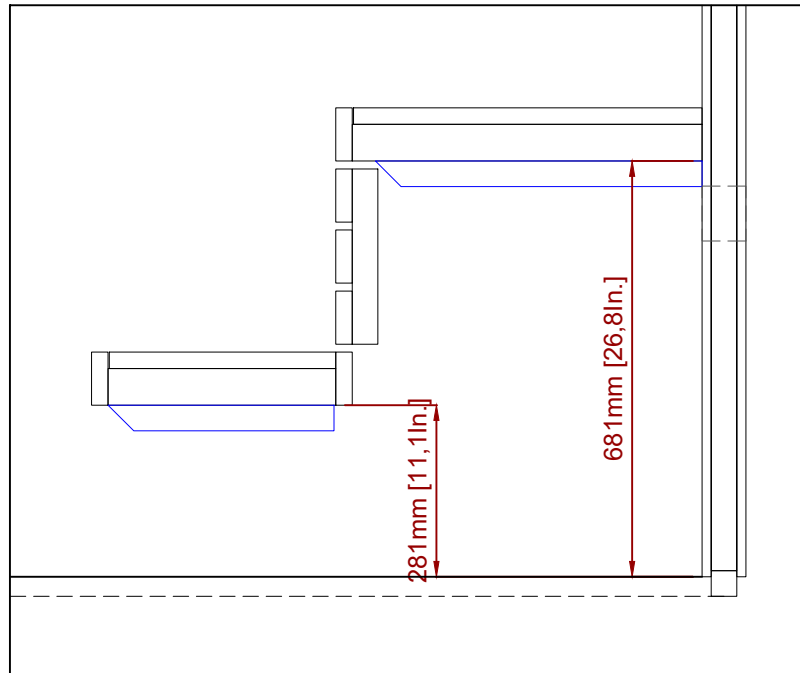


\*Example picture

# HORIZONTAL BENCH SUPPORTS



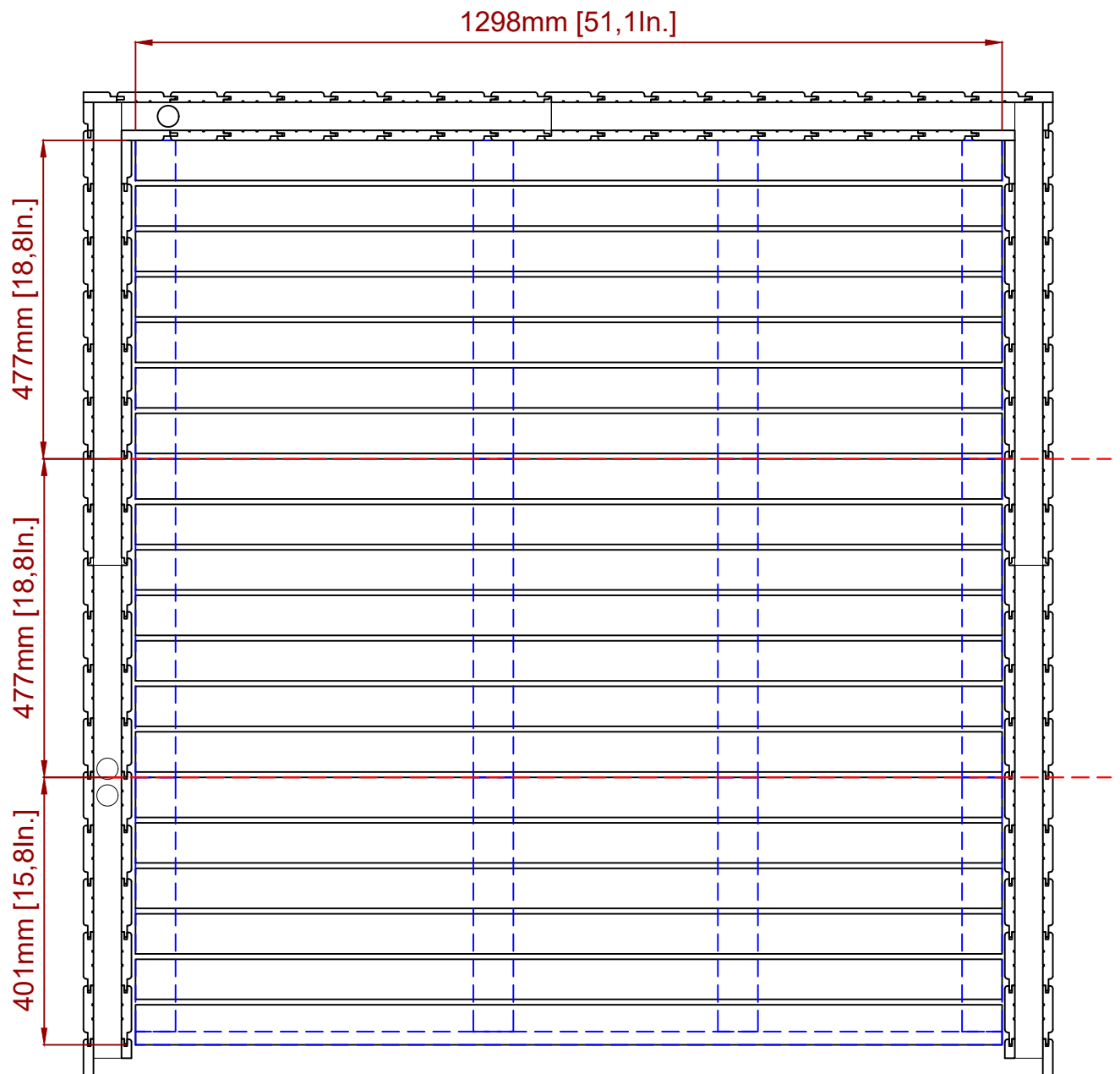
BENCH SUPPORT PLACEMENT



## 5. Floor grids

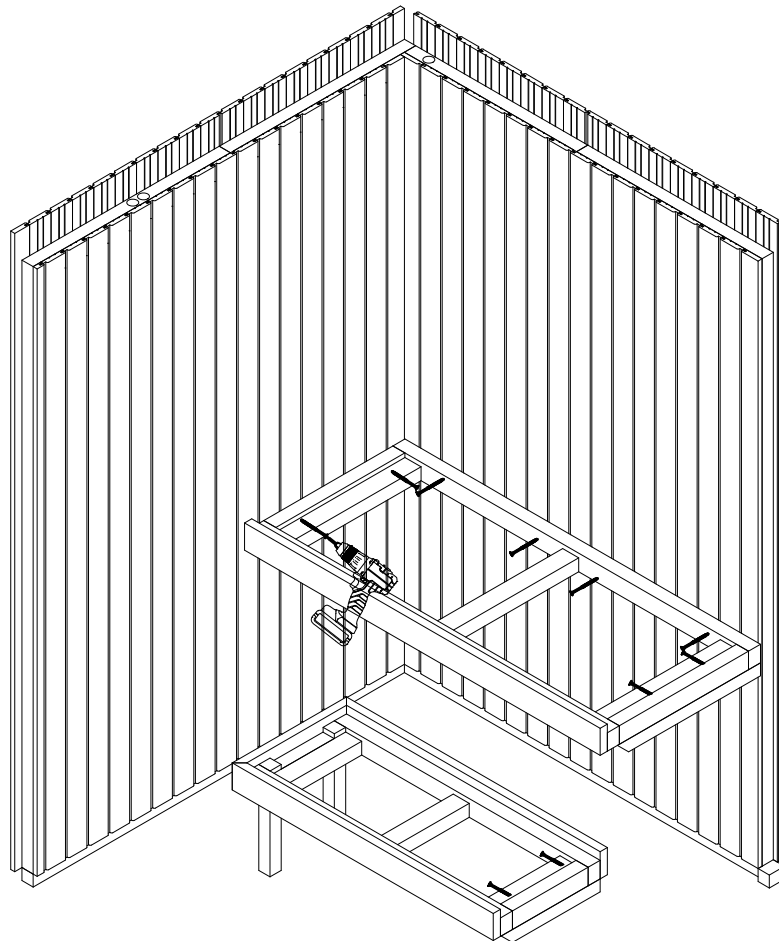
1. Place grids on the floor as indicated in the drawing.

Figure 4a.



## FIXING BENCH FRAMES

1. Place bench frames on supports
2. Control measures from cross-section drawing
3. Level benches
4. Fix side screws to tighten walls
5. Fix back screws



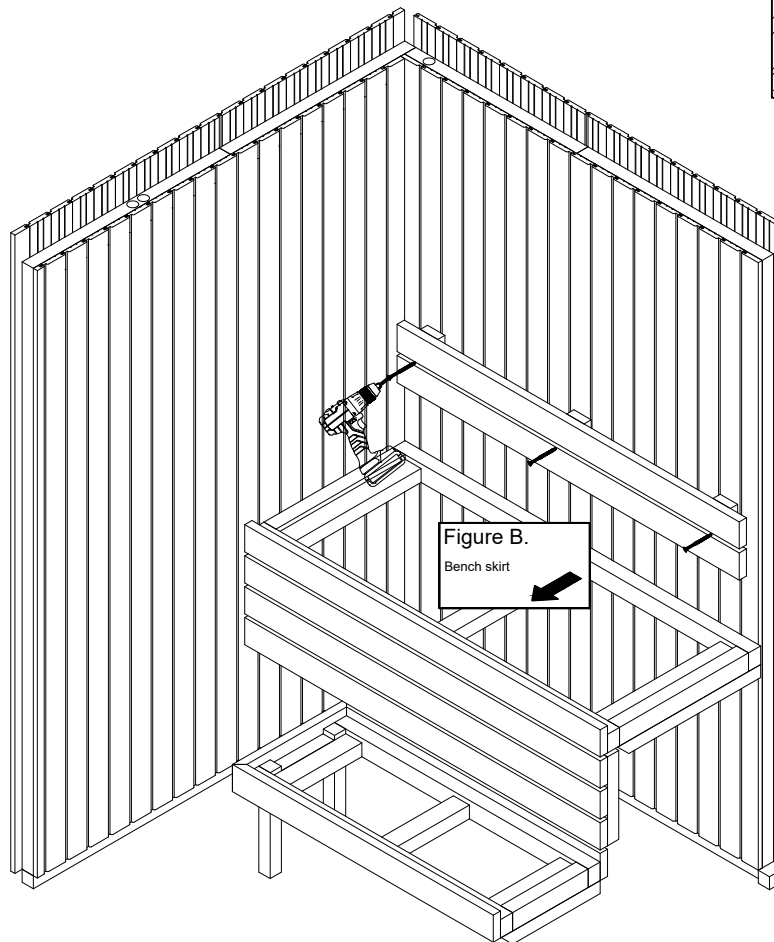
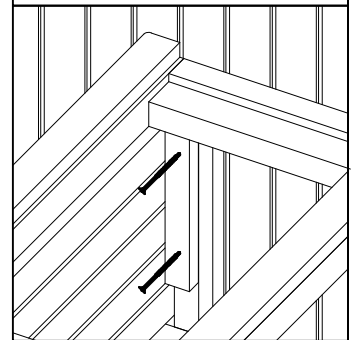
\*Example picture

## FIXING BENCH SKIRT AND BACK REST

1. Control measures from cross-section drawing
2. Fix bench skirt with screws
3. Fix backrest to wall with screws
4. Fix the led strip to the metal clips.

Figure B.

Bench skirt

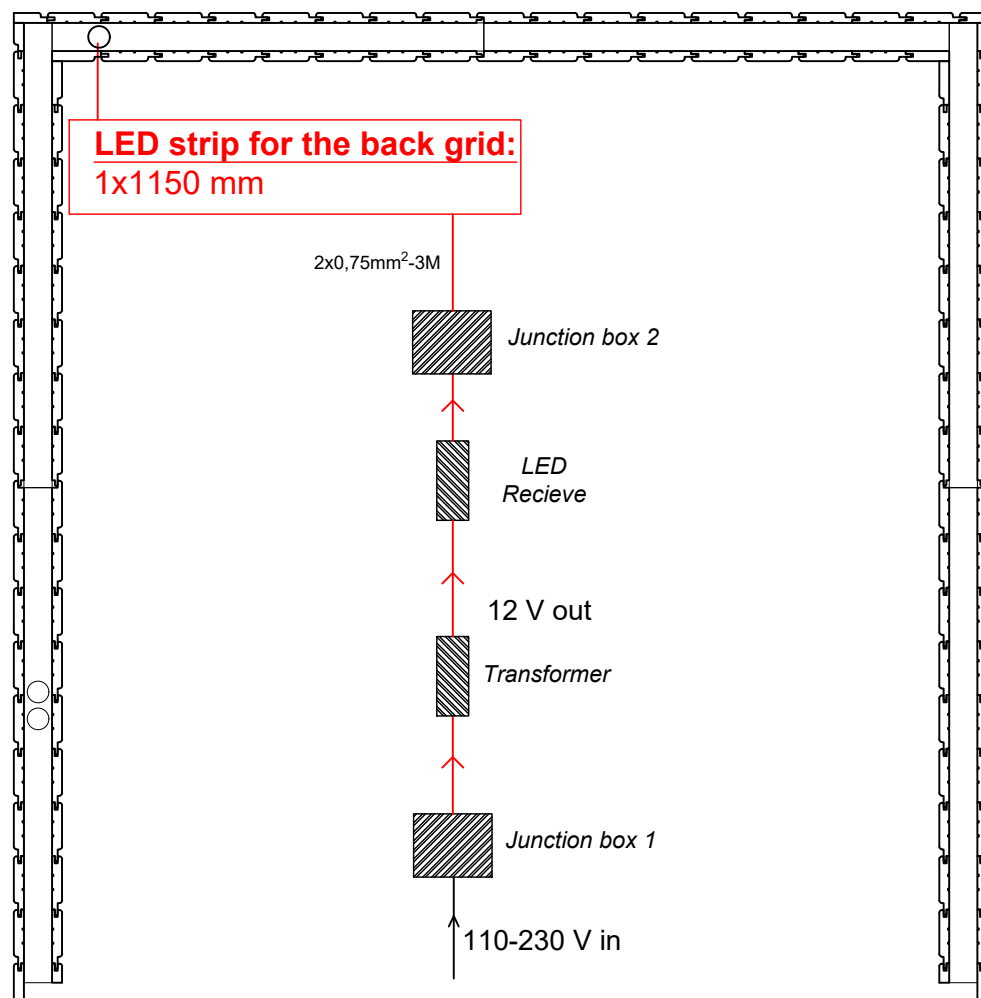


\*Example picture

# ELECTRICAL

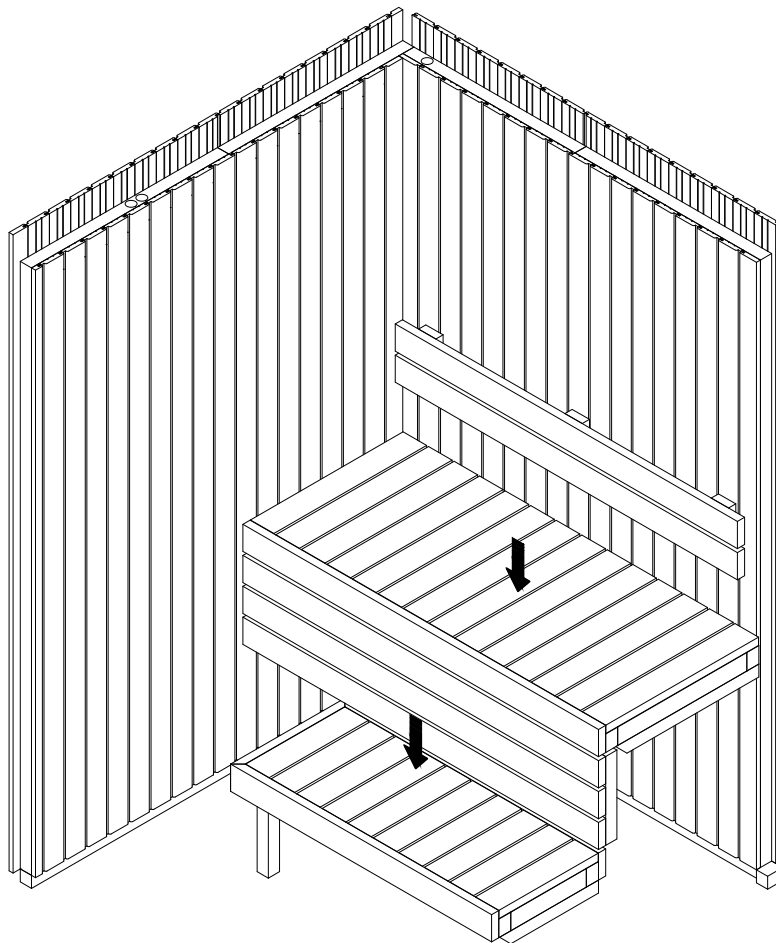
1. Run cables through pre drilled holes in the walls to the ceiling

NOTE! ALL ELECTRICAL CONNECTIONS **MUST** BE MADE BY CERTIFIED ELECTRICIAN!

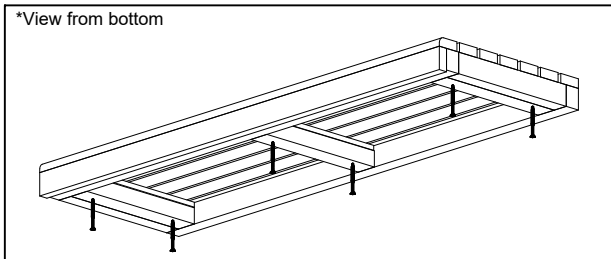


## FIXING BENCH GRIDS

1. Place bench grids on bench frames
  2. Fix bench grids from below with screws
- \*Fixing bench grids helps to prevent bench grid from bending



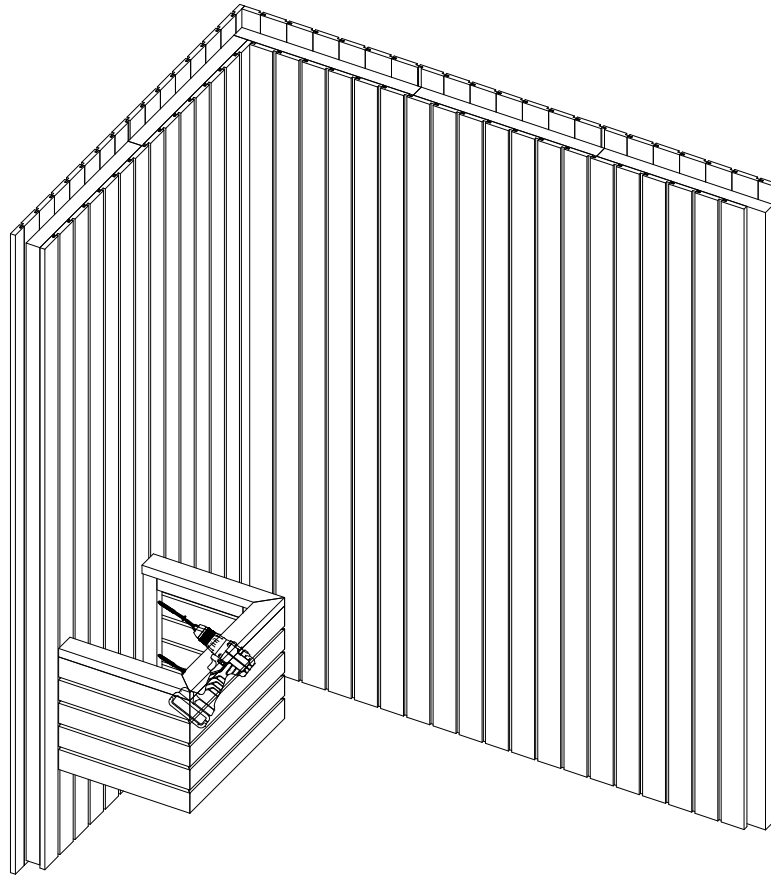
\*View from bottom



\*Example picture

## FIXING HEATER GUARD

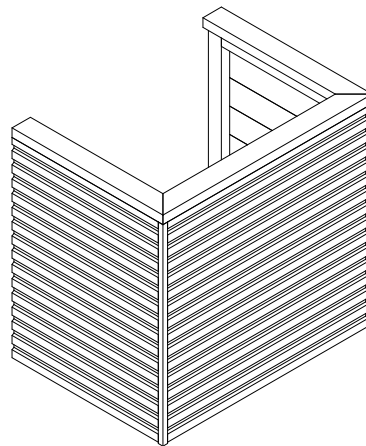
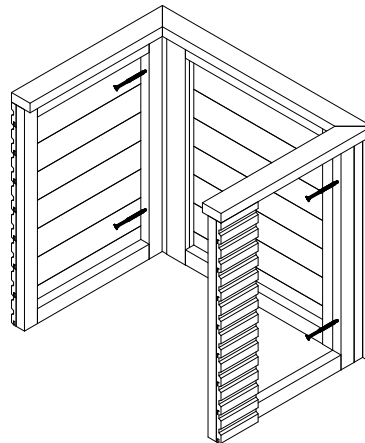
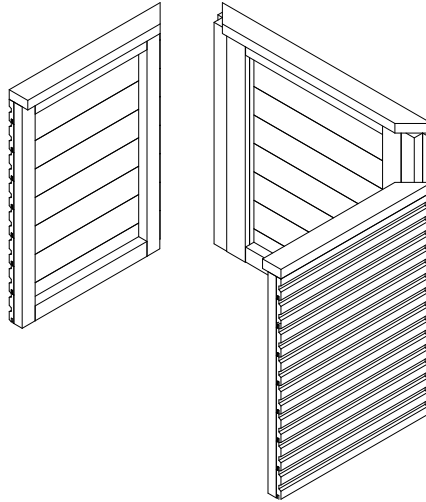
1. See your technical drawing on next page
2. Control heights with your heater
3. Fix heater guard to wall with screws



\*Example picture

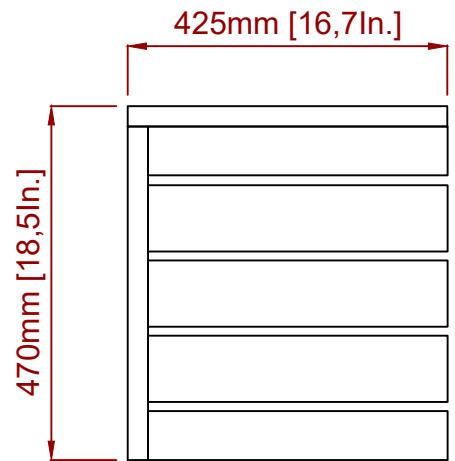
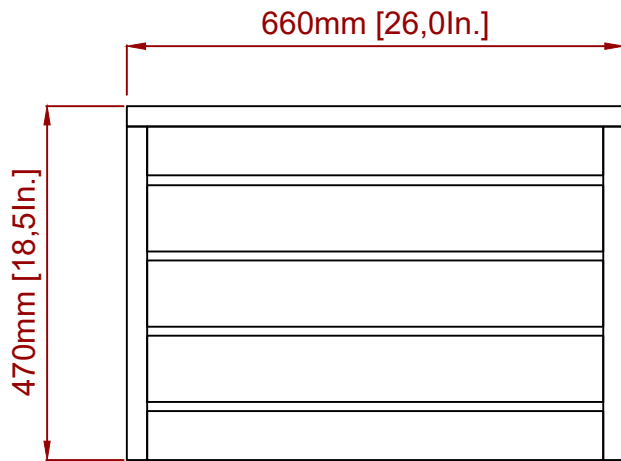
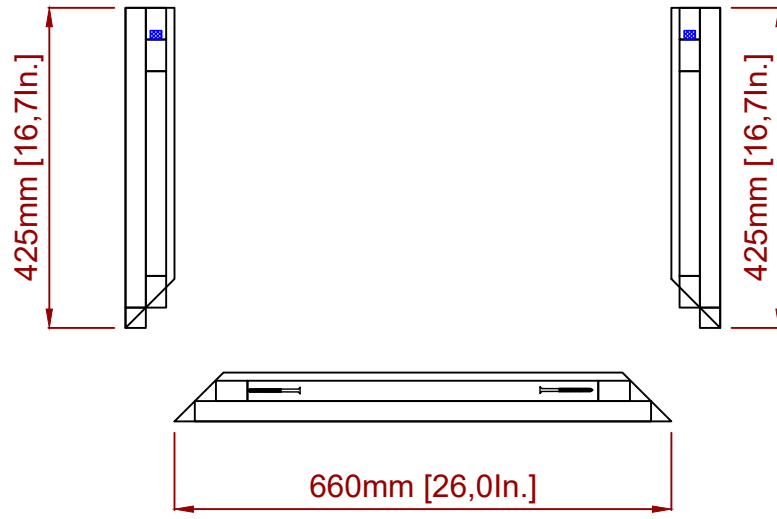
## FIXING HEATER GUARD

1. Fix the three heater guard sides together with screws.
2. Place the heater guard in the sauna.
3. Fix with screws from inside.



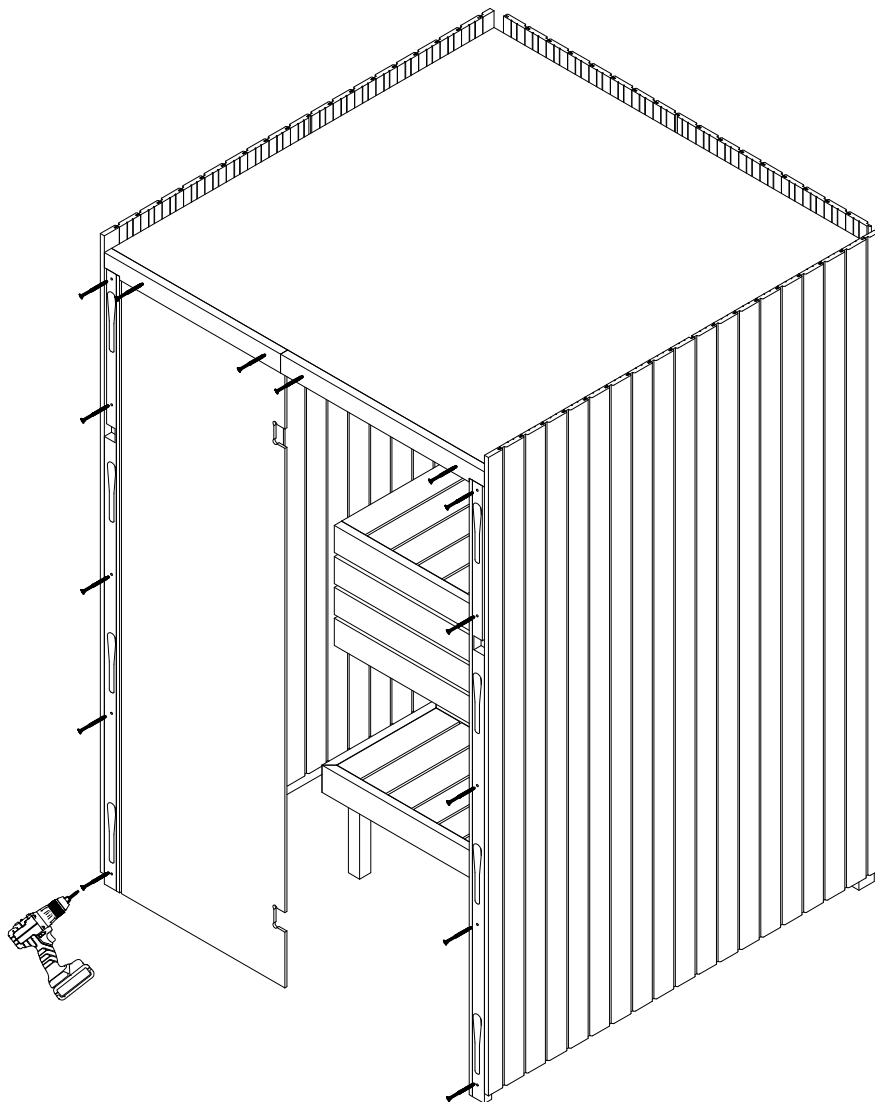
\*Example picture

# FIXING HEATER GUARD



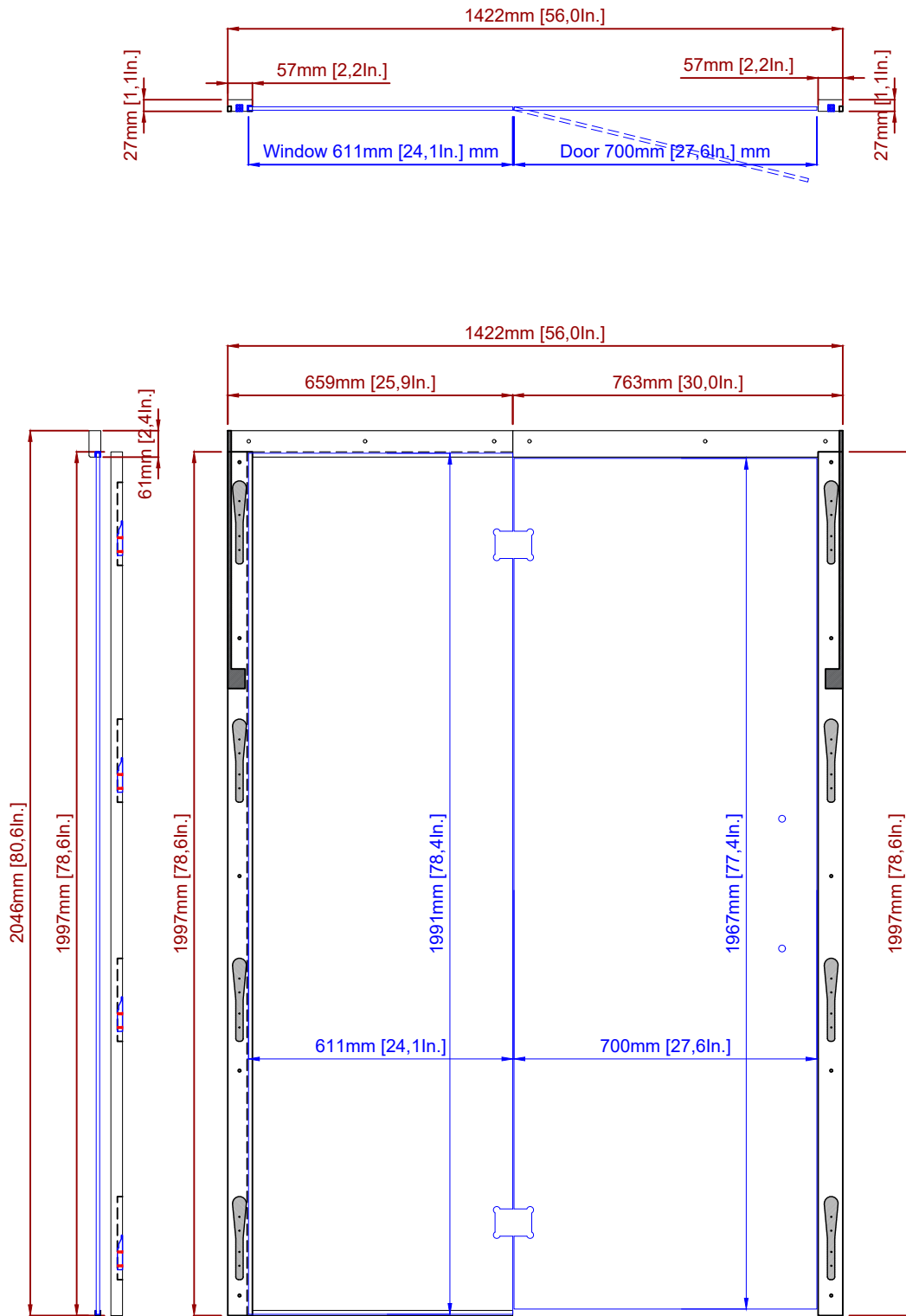
## FIXING GLASS WALL

1. See your technical drawing on next page
2. Fix window frames
3. Fix door frame detail
4. Install door glass



\*Example picture

# FIXING GLASS WALL



# DOOR GLASS

1. Fit the hinges on door according to Figure C.
2. Fit the door to glass wall according to Figure C.
3. Fit the handle to the door according to Figure B.

**NOTE!** Door must not be supported directly to a hard (tiled, concrete or other) floor due to risk of shattering. Always when not installed rest the door on a protected floor. Do not remove protection material from door until it is finally and properly fitted.

Figure A.

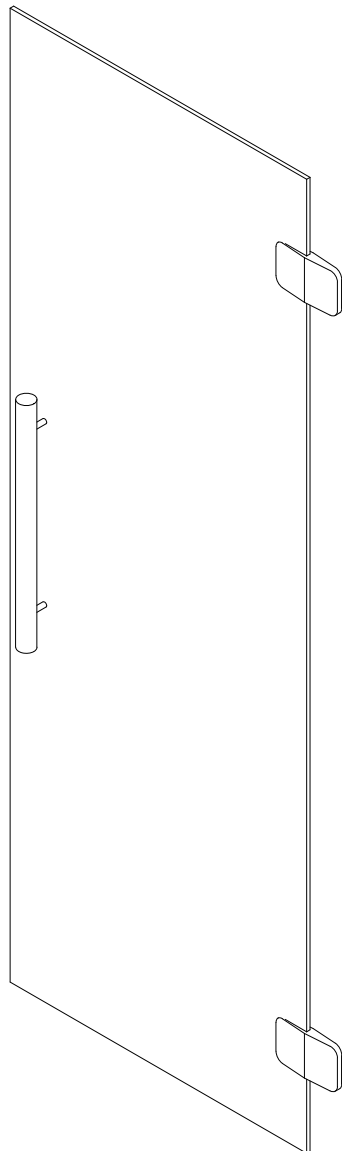


Figure B.

Premium handle

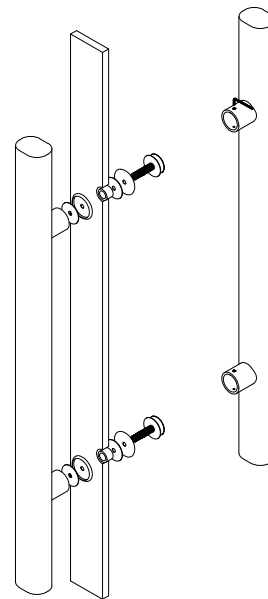
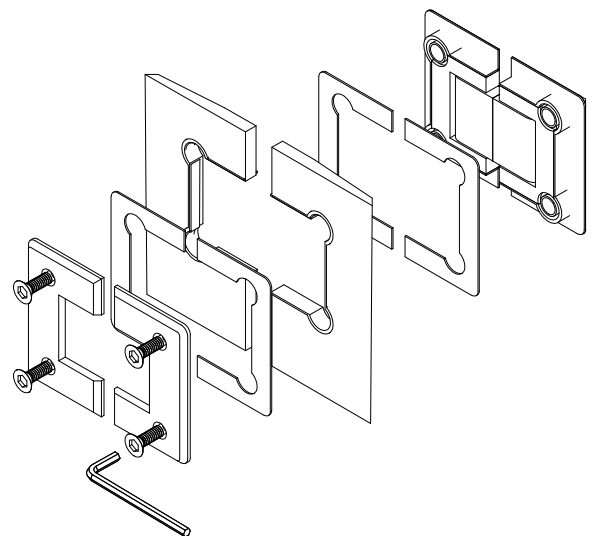


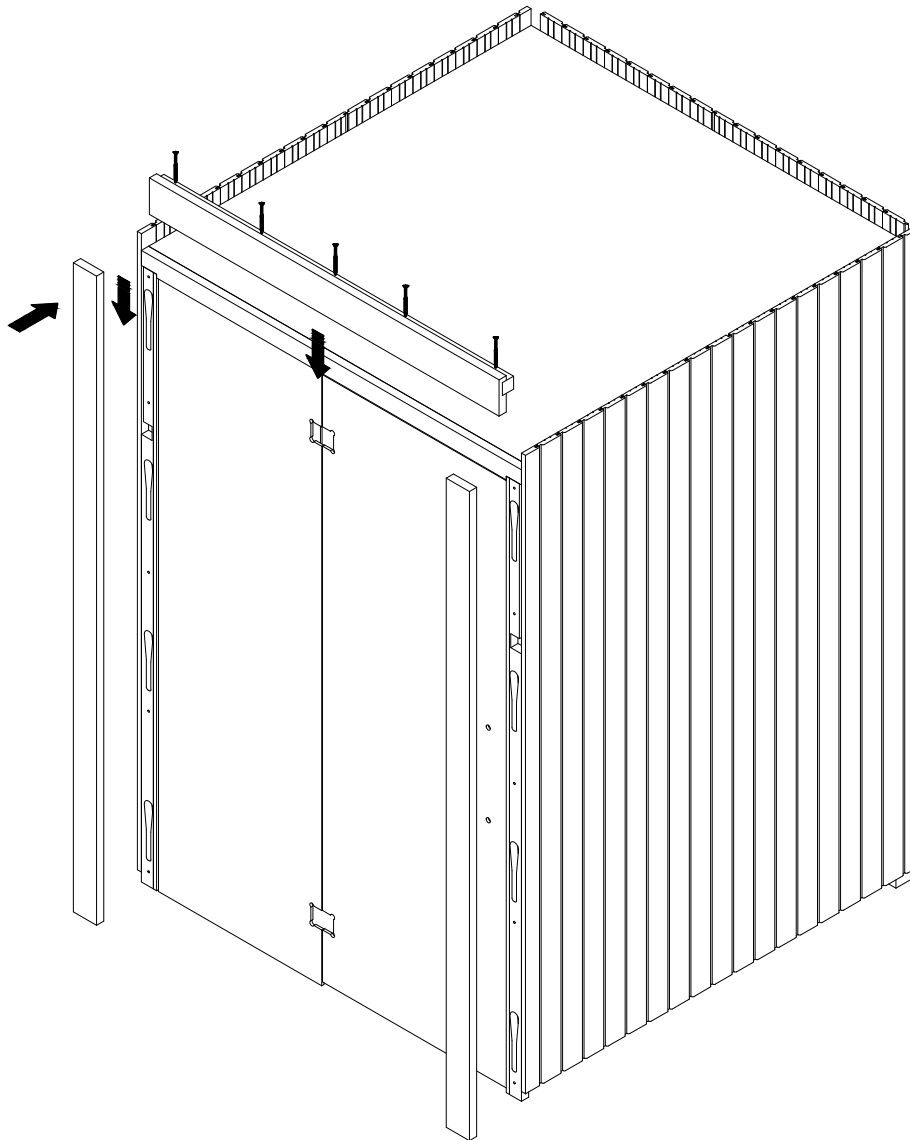
Figure C.

Glass-glass hinges



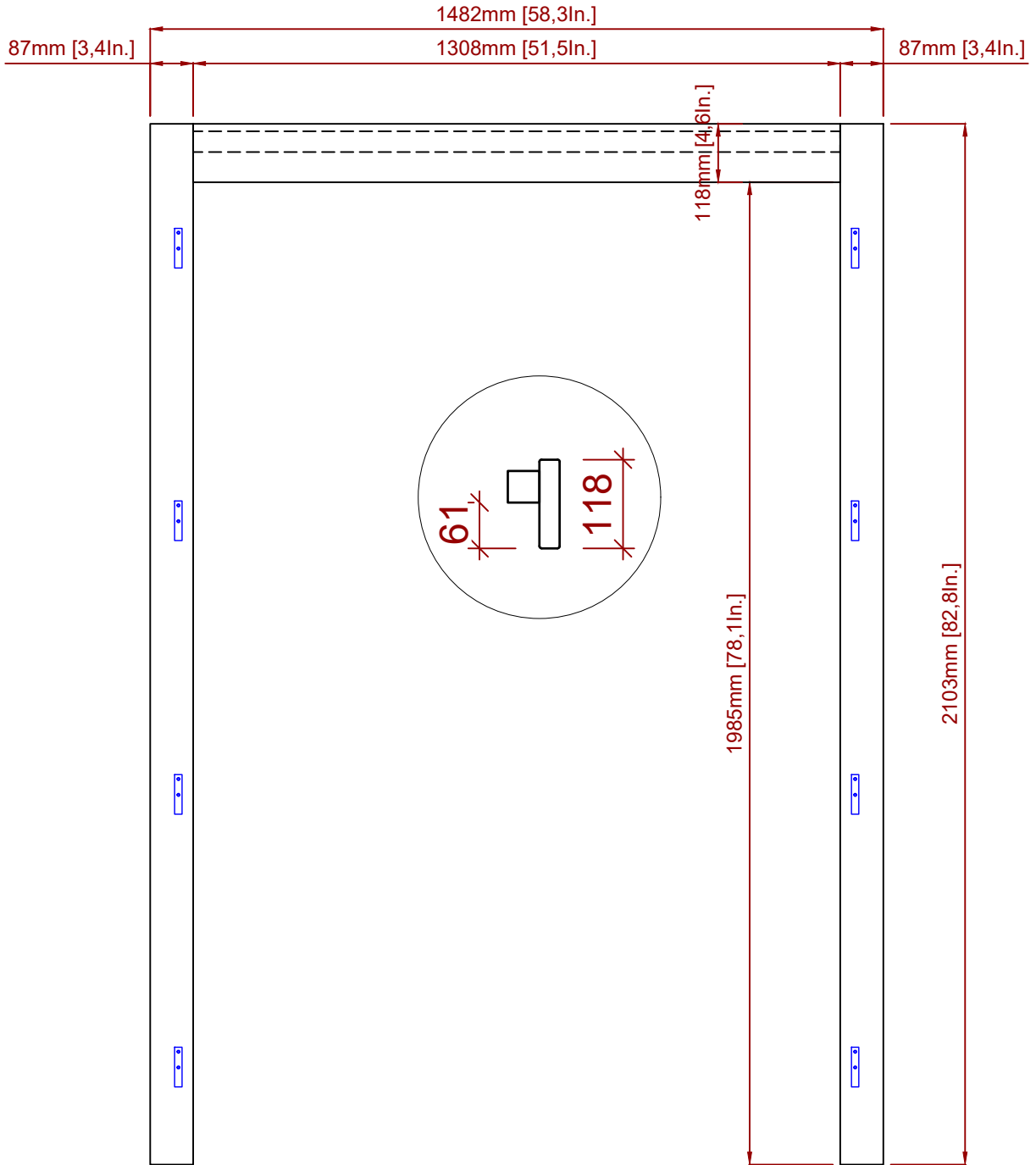
## FIXING FRONT FRAME

1. See your technical drawing on next page
2. Fix vertical frames with multiclips
3. Fix horizontal frame with screws from top



\*Example picture

# FIXING FRONT FRAME



# Instructions for use and maintenance of pre-built and pre-assembled indoor and outdoor saunas

## 1. General installation requirements

- 1.1. Your sauna should be installed by a professional installer.
- 1.2. The installer of the sauna must have familiarised themselves thoroughly with the manufacturer's warranty terms and the installation instructions of the purchased sauna.
- 1.3. The electrical components of the sauna may be installed and connected only by a person with the respective certified competence.
- 1.4. The wooden parts of the sauna must not be in permanent contact with water or the structures of the room.
- 1.5. The exterior surfaces of the sauna must not be directly exposed to excessive humidity.
- 1.6. The installation site must have proper grid connection readiness for supplying power to the electrical components of the sauna. Requirements applicable at the installation location (country).

## 2. On-site requirements - indoor sauna

- 2.1. Make sure adequate ventilation is ensured in the room to be used for installing the sauna to ventilate the humidity and warm air created by the sauna.
- 2.2. Fresh air supply for the sauna room and heater must also be ensured. Be sure to leave an air gap between the sauna structures and the boundary structures of the room. This is necessary to avoid formation of excessive condensation between the structures of both the building and the sauna that could damage them and shorten their lifetime. The manufacturer recommends ensuring a minimum distance of 50 mm.
- 2.3. The installation surface must be level and stable.

## 3. On-site requirements - outdoor sauna

- 3.1. The outdoor sauna is designed to be installed on a pre-prepared level and stable surface capable of bearing the load.
- 3.2. Safety distances - you must leave at least a two-metre clearance around the sauna, unless specified otherwise or provided otherwise by the local requirements for similar buildings.
- 3.3. If your sauna is delivered pre-assembled, the installation site must be accessible for heavy machinery.

## 4. Sauna heater and heating stones

- 4.1. Install the sauna heater according to the heater manufacturer's installation instructions.
- 4.2. Install the heating stones according to the heater manufacturer's instructions. Installation requirements for the heating stones may vary depending on the sauna heater selected. As a general rule, the heating elements of the heater must be covered with stones. Pouring water directly on the heating elements will shorten the life of the heater and pose a health risk (hot water splashes).
- 4.3. It is recommended to wash the heating stones with water before installation. This cleans the stones of any possible processing and production residues.
- 4.4. Using the heater without the stones is not allowed.

## Instructions for use and maintenance of pre-built and pre-assembled indoor and outdoor saunas

5. Finishing/treating the wooden parts of the sauna with a protective agent
  - 5.1. Before using the sauna, all wooden surfaces must be treated with a suitable protective agent. The manufacturer recommends using sauna wax or sauna oil (paraffin oil).
  - 5.2. Depending on the installation method used for your sauna and the free space left in and around the sauna, the wooden surfaces can be treated before or after installing the parts but certainly before using the sauna.
  - 5.3. Treating the wood will extend the lifetime of the wood and your sauna, preserving its properties and appearance. Treated surfaces repel water and dirt and are easier to clean.
6. Taking the sauna into use
  - 6.1. Make sure all parts of your sauna are intact and functional after installation and before the first heating.
  - 6.2. First heating: slowly heat your sauna to a temperature of 100 °C under supervision, keep this temperature for two hours and let the sauna cool down slowly. The sauna must be well ventilated during the first heating - it is recommended to leave the door half-open. This is necessary to allow the wood protecting agent to be absorbed into the wood and any residues from production and processing to evaporate from the surfaces.
  - 6.3. Staying in the sauna during the first heating is not allowed - substances evaporating from surfaces may cause an unpleasant smell.
7. Using your sauna
  - 7.1. Use the sauna only for the purpose for which it was manufactured.
  - 7.2. Pour water only on the heating stones.
  - 7.3. Use the sauna in moderation - it stimulates circulation, relaxes muscles and cleanses.
  - 7.4. Rinse yourself with water between sauna sessions.
  - 7.5. It is recommended to drink mineral water after the sauna to replenish fluids.
8. General sauna maintenance
  - 8.1. After each use:
    - Wipe the bench with a damp cloth after.
    - Always remove pools of water from wooden surfaces.
    - If the design of the bench allows it, raise the platforms to an upright position to dry.
    - Let the heater run under supervision for approximately 20 minutes - wooden parts dry more efficiently this way.

## Instructions for use and maintenance of pre-built and pre-assembled indoor and outdoor saunas

### 8.2. Once a year or as needed:

- Wash the horizontal (and, if necessary, vertical) surfaces of your sauna with a special sauna detergent. Use a soft brush or damp cloth and observe the instructions of the detergent.
- Stronger stains can be removed with fine-grained sandpaper. All treated surfaces must be treated with a protective agent.
- Repeat treatment of the wooden parts with a protective agent.
- Check the structures of the sauna (bench fastenings, wall connections) and, if necessary, tighten the fastenings.
- Have a competent person check the condition of the electrical connections and components.
- Check the functioning of the door and adjust it, if necessary and possible.
- Check the condition of the heating stones: when used intensively and especially as they age, they could emit stone dust that will accumulate on the wooden surface above and behind the heater. Replace the stones, if necessary.
- Do not use substances or working procedures not suited for washing the sauna.
- Washing wooden parts with running water is not allowed.

### 9. Maintenance of an outdoor sauna

- 9.1. Trees and bushes growing near the sauna and a shady location may cause mossing on the surfaces. Clean the surfaces with a soft brush and damp cloth, as necessary.
- 9.2. In areas with thick snow-cover, remove snow from the roof of the sauna. Do not allow more than 50 cm of snow on the roof.

### 10. Wooden materials in the sauna

- 10.1. Wood is a natural material and subject to natural phenomena (differences in grain pattern, variations in tone, expansion and contraction due to heat and moisture).
- 10.2. Wood may develop cracks or deformations over time. This is natural and does not affect the use of the sauna. If in doubt, contact the vendor.
- 10.3. Thermally modified wood emits some scent during the first three heating periods.

### 11. Repair works

- 11.1. Damage to wood - scratches and dents up to 1 mm deep:
  - Clean and dry the surface thoroughly.
  - Sand down with 500 grit sandpaper or until dispersed.
  - Clean off dust and treat with a protective agent. The protective agent will even out the colour difference caused by sanding.

### 12. The following are not allowed in the sauna:

- 12.1. Drying clothes or other textiles. Evaporating humidity may damage the wood; and textiles placed near the sauna heater may pose a fire hazard.
- 12.2. Heating to a temperature higher than 115 °C - fire hazard.
- 12.3. Placing combustible materials on the sauna heater.
- 12.4.

# GLASS HANDLING, STORAGE AND THE ABC'S OF CLEANING

## HANDLING AND STORAGE

1. Taking precautions is generally always cheaper than correcting mistakes later.
2. It is recommended to remove stickers and spacers from the glasses as soon as possible.
3. It is recommended to use suction cups to lift large glasses.
4. When storing both tempered and non-tempered glass for a long time, the supporting edge of the glass must rest on a dry and softened surface (e.g., plastic, cardboard, rubber) - the edges of the glass must not be supported directly on the floor or the ground.
5. When storing several glasses at the same time, there must be spacers between the tempered glasses. Non-tempered glasses of the same size can be supported against each other, in the case of non-tempered glasses of different sizes, pieces of cardboard must be placed in between.
6. Glasses must be stored in a dry and well-ventilated room away from direct sunlight.
7. The storage conditions are important, because if water gets between the glasses (for example, as precipitation from above or evaporating from the bottom), soda starts to separate from the inside of the glasses, as a result of which they form on the surface of the glass white spots that cannot be removed. Such glasses belong to disposal.
8. The corners are the weakest point of the glass, so they must be protected with special attention. The glass must also be protected from the dangerous effects of the external factors listed below.

## DANGEROUS EXTERNAL FACTORS FOR GLASS

Construction	First, any glass must be protected on the construction site, where chemical and mechanical factors can permanently damage the glass surface. In the case of glasses in the vicinity, constant air exchange is maintained, the glasses can be covered with a polyethylene film. If there is no air exchange, and the glasses are covered with polyethylene film break due to thermal stress.
Stickers and spacers	The adhesive on stickers and caps hardens under the influence of solar radiation. If the adhesive contains basic (pH=7.1-14) particles, the result may be a matting of the glass. If the adhesive contains acidic (pH=0-6.9) particles that are not visible on the glass damage, but the damage has been caused by the normal aging process of the glass.
Silicones	Chemically and sandblasted frosted glasses must not contact silicones with containing substances, because this way the surface of the glass becomes transparent and needs replacement.
Wall mixes	During of normal hardening, masonry mixtures often release alkaline (pH=7.1-14) particles that can damage and dull the surface of the glass. Petrified mixture removing it from the glass results in scratching the glass surface.
Concrete splashes	Washing off fresh concrete with plenty of clean water can damage the glass save. On the other hand, removing the dried concrete will scratch the surface of the glass and means replacing the glass.
Acid wash	Hydrochloric acid is used to clean brick and concrete surfaces, which can damage reflective surface coatings and glass missile silicones. Acid washing must be carried out before glazing.
Welding and cutting sparks	If these sparks fall on the surface of the glass, the surface of the glass is permanently damaged and needs to be replaced. Therefore, welding and cutting work is important avoid near glass.
Storage of other materials opposite the glass	Different materials against the glass can scratch the surface of the glass – especially glasses with a reflective coating are sensitive in this regard.
Metal constructions	Aging details of constructions secrete oxides (tin, copper, iron, zinc), which can get on the glass surface with both rain and washing water. Oxides can permanently damage the surface of the glass and the glass must be replaced.
Large temperature fluctuations	As a result of excessively large temperature differences, a large internal stress occurs on the glass, as a result of which the glass cracks, i.e. a thermal break occurs. Thermal

	breakage occurs when the temperature difference on the surface of untempered glass is approx. 40-50°C. To prevent thermal breakage, it is recommended to temper the glass, because tempered glass can withstand temperature differences of approx. 150-200°C.
Organic mastics	They can secrete emollients, oils and solvents, which stick very strongly with a glass surface. Organic mastics do not have to be harmful to the glass in direct contact with the glass - it is enough if water with residues flows over one glass on the surface of other glasses.
Running water	If water flows over cement, concrete, plaster before reaching the surface of the glass, organic coatings or mastics, residues remain on the surface of the glass. Scraps and glass a chemical reaction can occur between the surfaces, damaging the glass surface.
Hard water	The minerals in the water settle on the surface of the glass and stick to it strongly. Leaving the dried residues of minerals untreated, their later removal turned out to be impossible and the glass must be replaced.
Air pollution	Air pollution can contain various chemicals, especially in the case of (acid) rain adhere strongly to the glass surface. Leaving air pollution unremoved can create a chemical reaction on the surface of the glass to produce matte spots.

## GLASS CLEANING

1. Glass should not be cleaned in direct sunlight.
2. The glass cleaning intervals directly depend on the environment surrounding the glass and the degree of soiling of the glass.
3. Glass cleaning includes washing, rinsing and drying.
  - 3.1 Glass cleaning starts with removing abrasive particles such as dust with clean water.
  - 3.2 Then use a soft cloth, towel or sponge to apply the cleaning agent to the glass using circular motions and applying medium pressure.
    - 3.2.1 When cleaning satin glasses (i.e., frosted glasses), it must be remembered that even if only one spot on the glass is dirty, the entire surface of the glass must be cleaned (to avoid halo formation). Do not use when cleaning frosted glasses excess pressure.
  - 3.3. Rinse with plenty of clean water.
  - 3.4. Use a clean, soft cloth, towel or sponge to dry the glass.
  - 3.5. After cleaning the glass, it is also important to remove the residues of water and cleaning agents from the slats, seals and frames in order to prevent damage to these parts.

## REMOVAL OF DIFFERENT STAINS FROM GLASSES

1. Grease stains, oils, fats and various sealants - stains can be removed with a cleaning agent that contains a small amount of alcohol. After using the cleaning agent, be sure to rinse the glass clean with plenty of water.
2. Paints, cement, concrete mix - stains must be removed from the glass as soon as possible, i.e., before they dry, with plenty of clean water.
3. For small and difficult-to-remove dirt residues, a razor blade can be used with extreme caution, keeping it at a right angle to the glass.
4. The stains cannot be removed by sandblasting from frosted and satin glasses, because the surface of the glasses is permanently damaged and needs to be replaced.

# Warranty terms for saunas and sauna products

Effective from 1.04.2022

## 1. Definitions

1.1 **"Manufacturer"** is SaunaLife, a division of Bathing Brands, Inc.

1.2 **"Product"** means a sauna or sauna product (including a sauna bath, sauna door or sauna accessory) manufactured by the Manufacturer for indoor or outdoor use, whether prefabricated or assembled.

1.3 **"Seller"** means an authorised reseller of the Manufacturer.

1.4 **"Customer"** is the person who has purchased the Product from the Seller for its intended use.

1.5 **"Defect"** means a failure or defect in the Product (including a manufacturing or material defect) that prevents the Product from being used as intended.

## 2. content and scope of the warranty

2.1 **"Warranty"** means the obligation of the Manufacturer to remedy Defects notified to it by the Customer or the Seller during the Warranty Period and caused by the acts or omissions of the Manufacturer, or to reimburse the Customer or the Seller for the costs incurred by the Customer or the Seller, with the prior agreement of the Manufacturer, in remedying such Defects. The method of remedying the Defect shall be at the discretion of the Manufacturer.

2.2 The warranty does not apply to third parties to whom the Customer has transferred the Product. A Customer who is not a consumer is not covered by the Warranty unless the Manufacturer has previously confirmed this to the individual Customer in a form that can be reproduced in writing. A Consumer Customer who has purchased the Product directly from the Manufacturer shall be subject to the warranty terms contained in the sales contract instead of the Warranty.

2.3 **The "Warranty Period"** is 2 years from the date of delivery of the Product to the Customer who is a consumer, but not more than 3 years from the date of manufacture of the Product. Unless the Customer or the Seller proves to the Manufacturer the date of delivery of the Product to the Customer, the Warranty Period shall be 2 years from the date of the conclusion of the sales contract for the Product with the Customer. If neither the Customer nor the Seller proves to the Manufacturer the date of conclusion of the sales contract for the Product with the Customer, the Warranty Period shall be 2 years from the date of manufacture of the Product. If the Manufacturer replaces a Product with a Defective Product, the Warranty Period shall be 2 years from the date of delivery of the replaced Product to the Customer. If the defective Product is repaired by the Manufacturer, the Warranty Period shall be 2 years from the date of repair in respect of the repaired Defect.

2.4 The Warranty does not cover:

- (a) Defects that are not caused by the acts or omissions of the Manufacturer, including where (i) the Product has not been installed in accordance with its installation instructions; (ii) the Product has not been used in accordance with its instructions for use and maintenance; (iii) the Product has been stored in an unsuitable manner (including being exposed to the elements, high temperature fluctuations, or excessive humidity, being stacked, etc.); (iv) the Product has been damaged during installation or use; (v) the Defect has been caused by the use with the Product of equipment or components other than those supplied by the Manufacturer, or by a failure of such equipment or components; or (vi) the Defect has been caused by force majeure, unforeseeable events or extraordinary weather conditions (e.g. vandalism, fire, flood);
- (b) natural wear and tear that occurs during the intended use of the Product;
- (c) naturally occurring and expected characteristics of wood materials (differences in wood grain, knots, slight variations in tone) and phenomena that occur naturally during use of the Product (shrinkage and expansion due to temperature and humidity, moderate deformation) and the visual disturbances they may cause; nor
- (d) Defects (including transport damage) that would have been detectable by visual inspection prior to installation of the Product.

# Warranty terms for saunas and sauna products

Effective from 1.04.2022

2.5 The Warranty does not apply if:

- (a) the Customer has not notified the Seller or the Manufacturer within 2 months of becoming aware of the Defect;
- (b) the Seller has failed to notify the Manufacturer within 2 weeks of the time at which it became aware or should have become aware of the Defect;
- (c) the Customer or the Seller has knowingly provided false information about the alleged Defect;
- (d) the Seller has not paid in full the invoice submitted to it by the Manufacturer for the defective Product;
- (e) the Customer has continued to use the Product after the discovery of the Defect without the prior consent of the Manufacturer in a form that can be reproduced in writing; or
- (f) the Product has been in public use or in similar conditions of heavy use without the prior written consent of the Manufacturer.

2.6 Equipment installed in or accompanying the Product and supplied by the Manufacturer is covered by the warranties provided by the manufacturers of such equipment and brokered by the Manufacturer.

## 1. submission and handling of a warranty claim

3.1 Upon discovery of a defect, the Customer must immediately cease using the Product and submit a warranty claim to the Seller. If it is not possible to submit a warranty claim to the Seller or if the Seller does not respond, the Customer may submit a warranty claim directly to the Manufacturer.

3.2 The warranty claim must contain at least the following information: the name of the Customer; the address where the Product is located; the name and contact details of the person making the warranty claim; the Product's product code or name and, if available, serial number; the date of delivery of the Product to the Customer or, if unknown, the date of sale of the Product to the Customer; a description of the Defect; and the Customer's preferred remedy.

3.3 The warranty claim must be accompanied by: a copy of the document certifying the date of delivery or sale of the Product; photographs in general plan and close-up showing the Defect in good quality.

3.4 The manufacturer will reply to the warranty claim as soon as possible, but no later than two weeks from the receipt thereof. If the Manufacturer is unable to establish on the basis of the information contained in the warranty claim that the Defect is covered by the Warranty, the Manufacturer may require the person making the warranty claim or the Seller to provide further evidence and explanations. In the case of a Defect covered by the Warranty, the Manufacturer shall inform the person making the claim of the manner and time for remedying the Defect.

## 2. final provisions

4.1 The granting of the warranty is without prejudice to the Customer's statutory rights, including the right to exercise against the Seller all remedies available to it under the law.

4.2 Without limiting the Manufacturer's liability under the law for defective Product, the Manufacturer shall not be liable for any consequential damages that the Customer, the Seller or any third party may incur in connection with the use of or inability to use the Product.

4.3 The Seller may provide additional warranties to the Customer in its name and for its account. The Manufacturer shall not be liable to the Customer for the performance of such warranties.

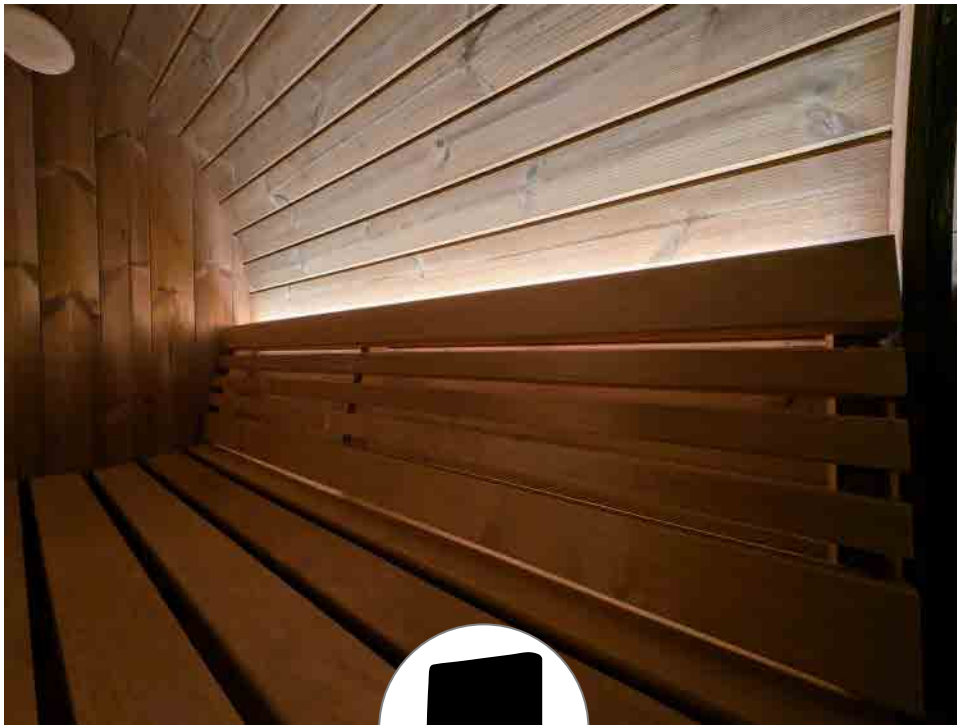


Live the Sauna Life!



Live the Sauna Life!

## Sauna Led Light System



White Led

Installation and Operation Manual

# SAFETY & WARNINGS



## PLEASE READ THIS MANUAL IN ITS ENTIRETY PRIOR TO INSTALLATION

- **Qualified Personnel Only:** Installation of this system must be performed by a certified electrician, following all national electric code and local building code requirements.
- **Equipment Protection:** The driver, power supply, and control unit must be installed in a location that is completely protected from moisture, rain, and inclement weather.
- **Temperature Considerations:** Please refer to the specifications on page 5 to determine the maximum temperature rating of each component. Do not install any components in areas that exceed the maximum temperature limits, as this will lead to product failure and void the warranty.
- **LED Sauna Heater Clearance:** Maintain a safe distance between your LED lights and the sauna heater. Avoid directly installing the lights above the heater or within 20 inches of its sides.
- **Control:** If installing inside the sauna, the RF Control must not exceed 131°F. Maximum installation height is 30" from sauna floor and minimum of 36 inches away from the sauna heater.
- **Light Placement:** Carefully consider the placement of your LED lights to avoid shining directly into bathers eyes. A diffused or indirect lighting approach is recommended.
- **Uncoil Before Powering:** Do not power on the LED light while it is coiled on the spool. Unwind completely before connecting to power.
- **Avoid Damage:** Do not fold or twist the LED light, as this may damage the LEDs and cause malfunctions. Refer to page 4 for LED Handling.

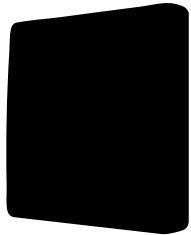
## Electrical Requirements

Always disconnect power from the system at the circuit breaker before performing any electrical installation or maintenance.



- **Power Source:** The lighting system requires a 120VAC power outlet.
- **Qualified Electrician:** A qualified electrician must determine the appropriate electrical outlet type, box configuration, and wiring to ensure compatibility and safety.
- **Electrical Safety:** Using incorrect voltage or improper electrical connections can damage system components and void warranty.

# PACKAGE CONTENTS



**Dimming Remote**  
(qty. 1)



**RF Driver / Receiver**  
(qty. 1)



**Power Supply**  
(qty. 1)



**2-Pin 4-Way Light Cable**  
(qty. 1)



**2-Pin 30' Light Cable**  
(qty. 1)



**AC Power Cable**  
(qty. 1)



**Mounting Clip + Screw**



**Led Light**

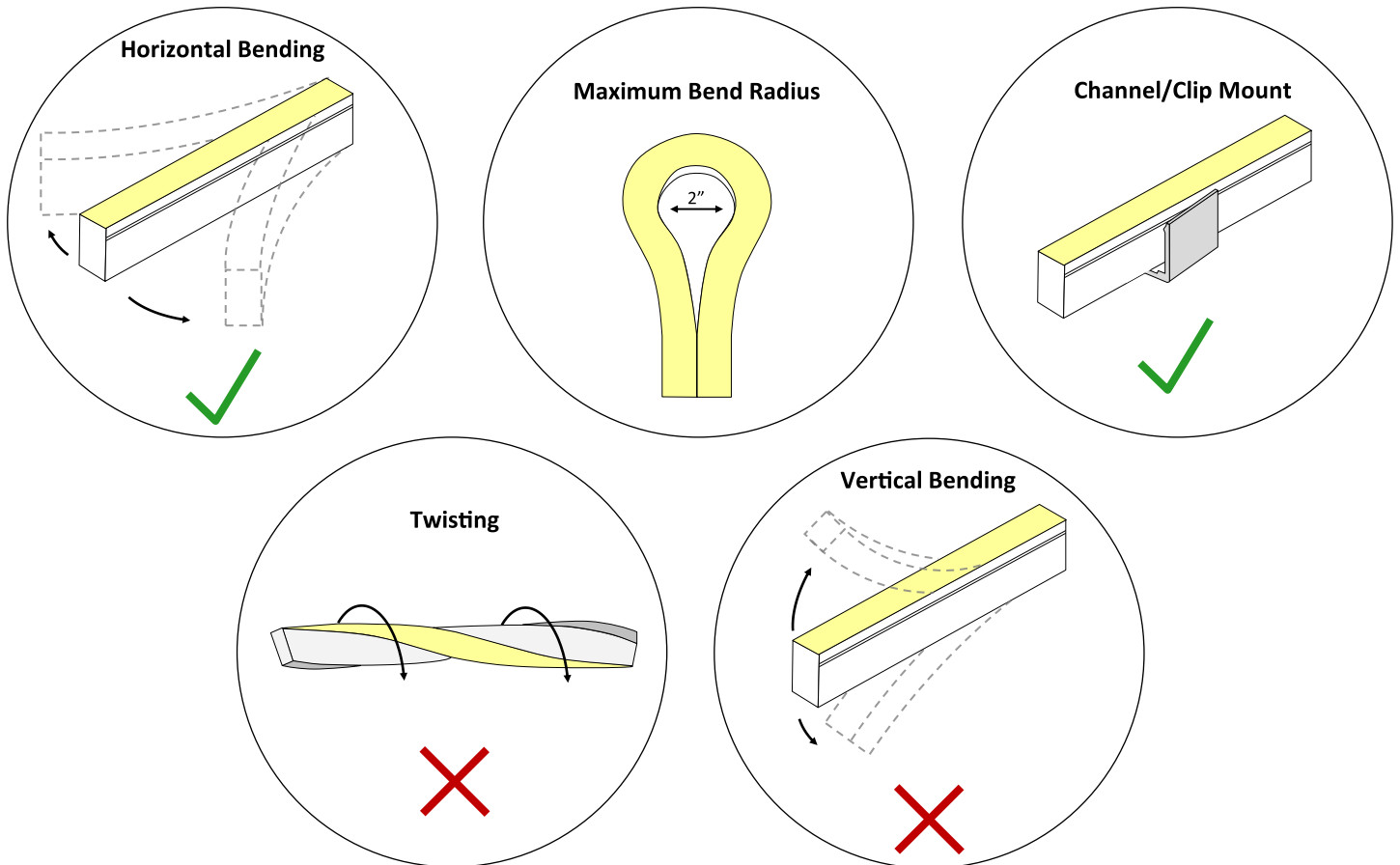
**Optional 5ft Mounting Channel**  
(purchased separately)



# LED HANDLING

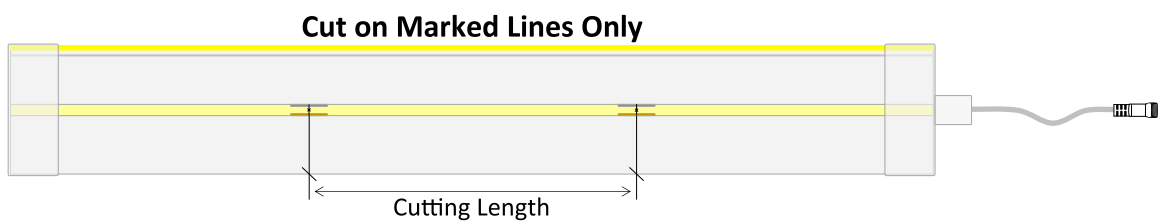


## HANDLE LED LIGHT WITH CARE!



### Cutting Flexible LED Neon

- If needed LED Neon can be cut to length.
- Determine the length of LED needed for the installation location.
- Using sharp cutters or scissors cut at closest cut point to the length needed, see diagram below.  
**Note:** Cut only on marked lines. Cut-off section can be discarded.
- After cutting, apply silicone to the cut end and install new end cap.





# SPECIFICATIONS

## Driver/Receiver

Operating Voltage: 24VDC  
 Rated Out Current: 9A  
 Output Voltage: 24 VDC  
 Max Output Power: 200W  
 Operating Temp: -4°F - 131°F  
 Dimensions: 3.75"L x 1.72"W x 1.21"H  
 Light Capacity: 4 Lights / 25'  
 IP Rating: IP20  
 Certifications: CE, EMC

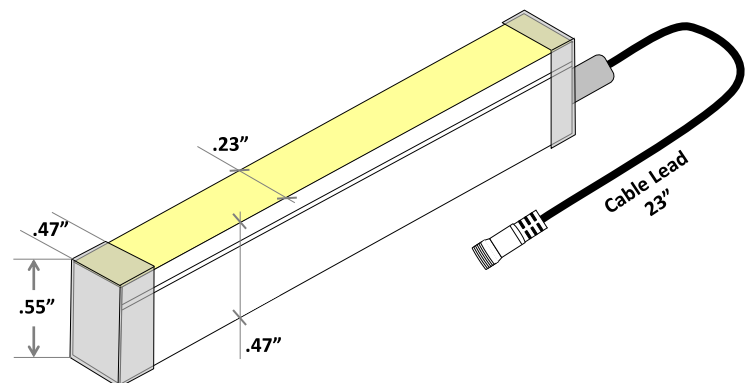
## RF Remote Single-Zone Dimming

Output Signal: RF (433MHz)  
 Operating Voltage: Self Powered (No Battery)  
 Operational Life: 200,000 Switchings  
 Dimming Range: 1% - 100%  
 Signal Distance: 100FT  
 Dimensions: 3.38"L x 3.38"W x .65"H  
 Operating Temp: 14°F - 104°F  
 Zones: 1 Zone Single Color  
 IP Rating: IP67  
 Certifications: CE

## Power Supply

Input Voltage: 120 VAC  
 Output Voltage: 24 VDC  
 Rated Power: 90W  
 AC Current: 1.3A  
 DC Current: 3.75A  
 Operating Temp: -22°F - 158°F  
 IP Rating: IP20  
 Certifications: UL, CE, FCC

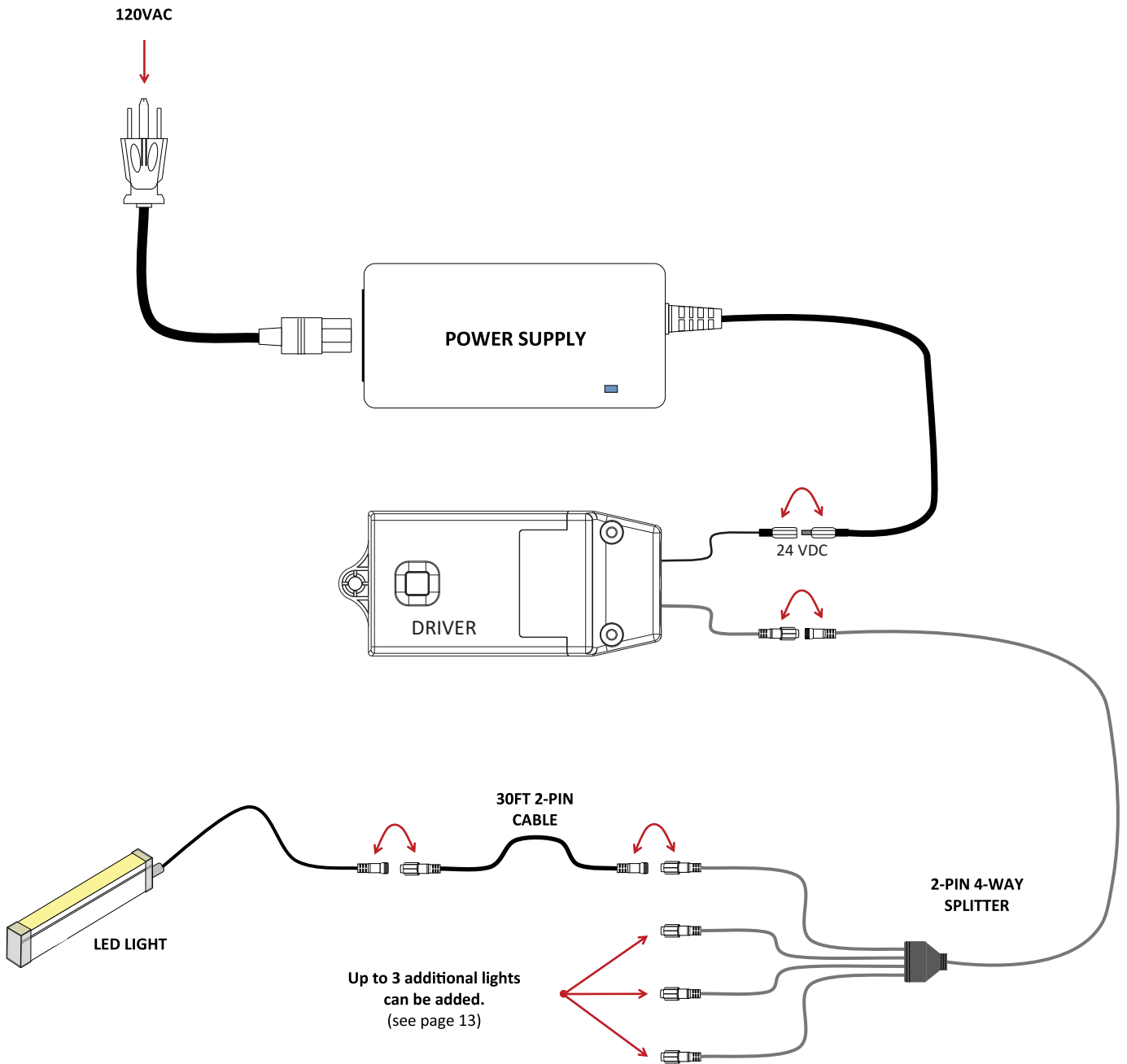
White Led					
Operating Temp: -13°F to 200°F		Max Run: 4 Lights / 25 Linear Feet		IP Rating: IP67	
Length	Operating Voltage (VDC)	Wattage	Lumens	Kelvin Temperature	Certification
4FT	24 VDC	12W	396	3500K	ETL / SGS
5FT	24 VDC	15W	495	3500K	ETL / SGS
6FT	24 VDC	18W	594	3500K	ETL / SGS
7FT	24 VDC	21W	693	3500K	ETL / SGS



# CONNECTION DIAGRAM



## Lighting System Connection Overview



# INSTALLATION



## STEP 1. Mounting Driver:

- **Location:** Choose a dry and accessible location for mounting the RF Driver/Receiver.
- **Mounting:** Secure the Driver/Receiver to the surface using one screw.

### Important Considerations:

#### Sauna Installation:

- Verify the Driver's maximum operating temperature is not exceeded in the sauna environment.
- Maintain a minimum distance of 3 Feet from the sauna heater.

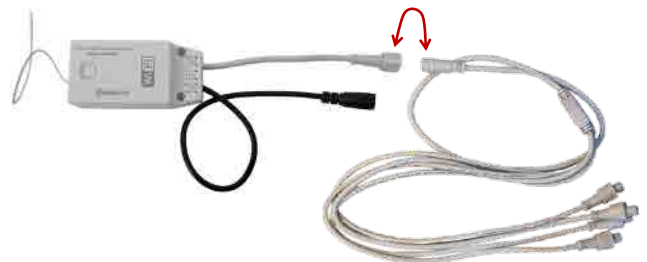
#### Outdoor Installation:

- Enclose the Driver/Receiver in a weatherproof enclosure for complete protection from the elements.



## STEP 2. Connecting 4-Way Cable

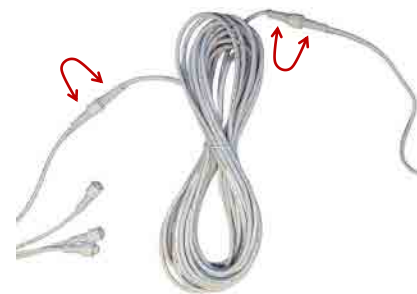
- Locate the 2-Pin 4-way cable and connect the single end to the 2-Pin Pigtail cable on the Driver.



## STEP 3. Run Light Cable

- Run the light cable from 4-Way cable to LED light.
- Connect one end of the light cable to the 2-Pin 4-Way cable.
- Connect the other end of the light cable to the pigtail on the light fixture.

Note: Repeat this step if installing more than one light.



## STEP 4. Connect Power Supply

- Locate the Power Supply. Plug the DC lead into the DC pigtail from the Driver.
- Plug the AC cable from the power supply into a 120VAC outlet.



# INSTALLATION



## STEP 5. Identify LED Install Location:

Identify location where the LED light will be installed.  
Common installation spots are:

- Backrest shining up or down
- Under bench
- Sauna Floor
- Exterior Sauna

## STEP 6. LED Mounting Clips

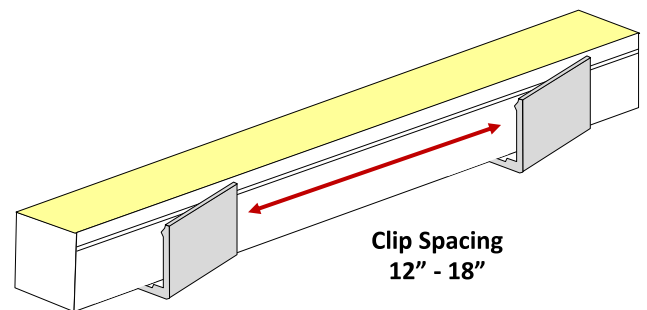
- Using the provided screws, attach the mounting clips to the mounting surface. Clips are provided with one screw each.
- If using your own screws, you will need a mini-mum size #4 x 5/8" screw to mount the clips.
- It is recommended that clips be mounted every 12" to 18" to support the LED light.
- Gently press the LED light into each clip.
- Follow the connection diagram on page 6 for LED wire connections.

**Note:** The images below show examples of clip installation. To remove the LED from a clip, gently pull up on the LED at each clip to release it. Avoid bending the LED, as this can damage the light.

## Important:

- The LED light should not be installed above or within 20" of sauna heater.
- "Always check the temperature at the intended installation location of the LED light to ensure it does not exceed the maximum operating temperature."

**Note:** It is recommended to run sauna without LED light installed and check the temperature at the intended installation location to get an accurate temperature reading.



# INSTALLATION



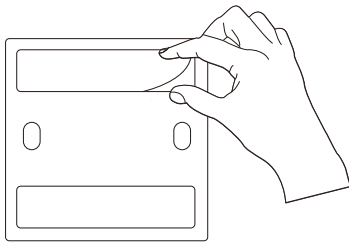
## STEP 7. Installing Control:

Identify location where the control will be installed. Follow steps below for mounting control on wall surface. Optionally control be used as a handheld rather than mounting on the wall.

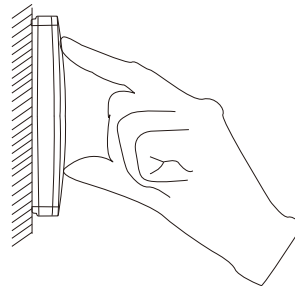
### Important Notes:

- If installing the control in Sauna it is recommended to install near the door and or opposite side of room as sauna heater.
- Do Not install control higher than 30" from the finished sauna floor or where operating temperature of control will be exceeded.
- Always check temperature at install location or control before installing and ensure it does not exceed maximum operating temperature rating for the control.

### Option 1: Wall Mount Using Adhesive

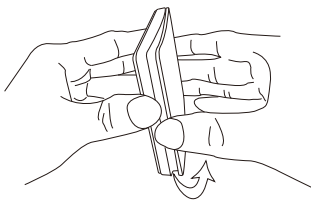


Apply provided double sided adhesive tape.

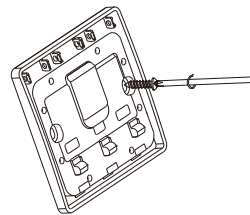


Align control and press onto surface. Hold for a few seconds to ensure tape holds.

### Option 2: Wall Mount Using Screws



Carefully open control.



Install on wall using wood screws.

# STARTUP & TESTING

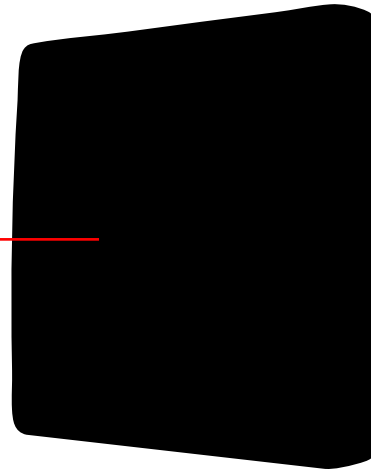


## Control Operation

See the image below for control operation. When installing the control verify maximum operating temperature of the control is not exceeded.

- Do not install control within 3ft of sauna heater.
- Do not install control higher than 30" off finished sauna floor.

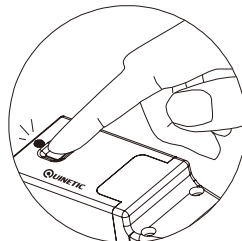
Press once to turn ON/OFF  
Press and hold to Dim/Brighten



## Driver & Control Programming

**Note:** The wireless control comes preprogrammed with the driver. Follow the steps below if programming is needed.

1. Press and hold the button on the driver for 3 seconds to enter program mode. The indicator light will flash slowly
2. Quickly press the control switch, the indicator light on the driver will go off indicating successful pairing.



Press for 3 seconds  
to enter program mode

**Note:** If you encounter any issues during startup and testing, proceed to the troubleshooting steps.

# Wi-Fi SETUP



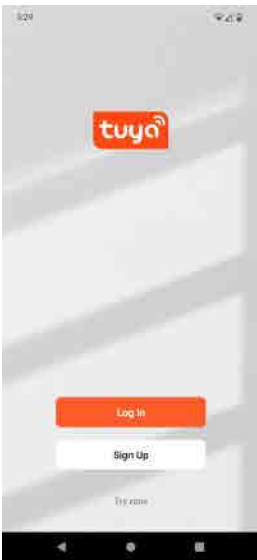
To set up Wi-Fi operation follow the steps below  
**Note:** The driver supports the 802.11 b/g/n 2.4 GHz Wi-Fi standard. The Wi-Fi Driver will not connect to a 5 GHz network. Installation steps below are for reference and may change or differ between iOS and Android versions.



On IOS or Android download the Tuya Smart App

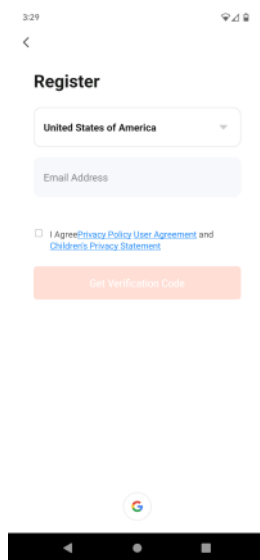
## Step 1

Open Tuya app and press Sign Up to create



## Step 2

Enter an email address to register an account



## Step 3

Check email and enter verification code



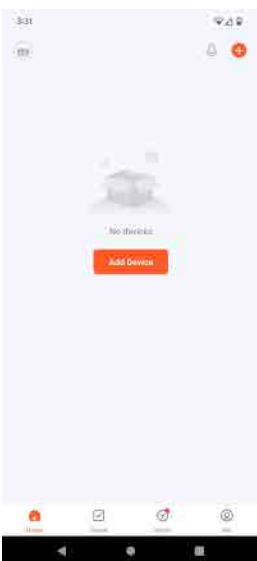
## Step 4

Create a password



## Step 5

Main screen press Add Device



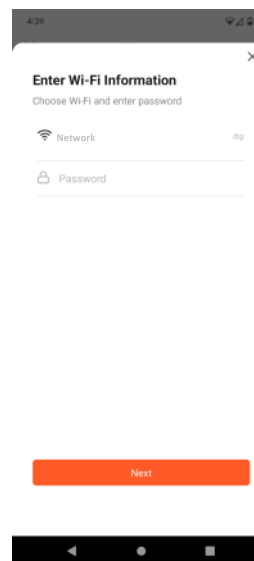
## Step 6

Press Add next to Discovering Devices



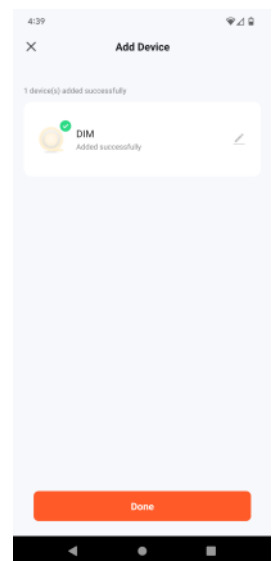
## Step 7

Select your Wi-Fi network



## Step 9

Device added successfully, press done to complete setup





# Troubleshooting

## No Power

- Verify that the electrical outlet has proper voltage.
- Check that all the power connections are secure and correct:
  - Power supply to the outlet
  - DC plug from the power supply to the driver

## Power but lights not turning on

- Check that the Pigtail cable from the Driver is securely connected and that wiring is correct..
- Check that 4-way light cable is secure and connected.
- Check that all 30' cables to the lights are securely connected.
- Verify each light functions by testing them directly to the Driver independently.

Note: To test an individual light, disconnect the 4-way light cable and connect the 30' cable directly to the Pigtail lead on the Driver, or connect the light directly to the Pigtail.

- Verify that control is paired with the Driver, (see page 10).

## Lights on, no function from Control

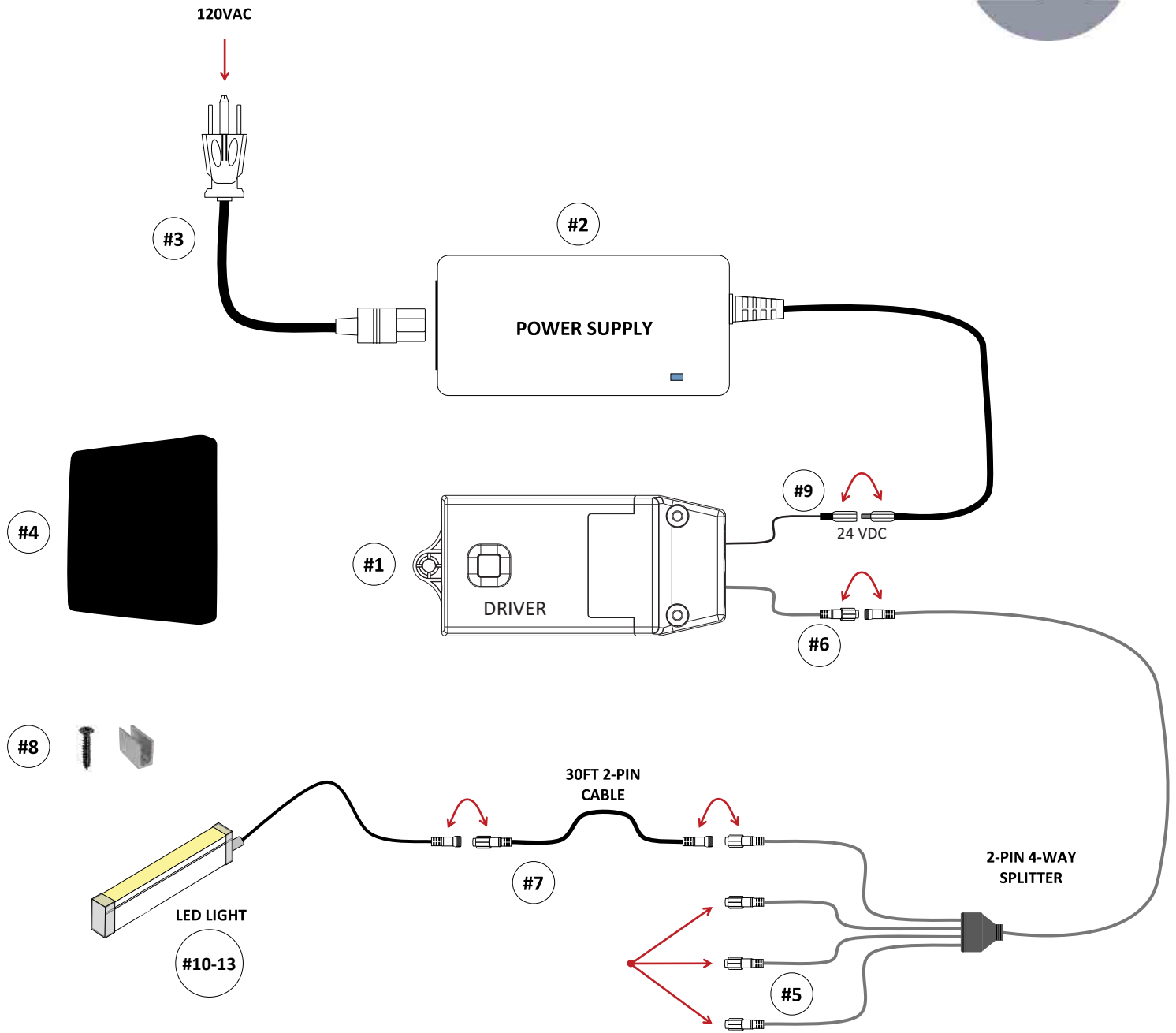
- Verify that Remote is paired with the Driver, (see page 10).
- Ensure that the distance from the Remote to the Driver is not more than 98 feet. If it is, relocate the Driver closer to the room.

## Resetting Driver

The Driver should not need to be reset under normal conditions. If a reset is needed, follow the steps below.

- Verify power to the Driver
- Press and hold the Match button for 10-15 seconds until the LED indicator goes out.  
**Note:** Resetting Driver will clear any paired remotes and require reprogramming, (see page 10).

# REPLACEMENT PARTS



Description		Part Number
#1	RF Driver	BP031198
#2	Power Supply/90W	BP031137
#3	AC Power Cord	BP031132
#4	Control Single-Zone	BP031199
#5	4-Way IP67 2-PIN Splitter	BP031075
#6	2-PIN IP67 Pigtail	BP031073
#7	2-Pin 30ft Cable	BP031077
#8	Led Light Mounting Clip + Screw	BP031165

Description		Part Number
#9	DC Pigtail Cable	BP031143
#10	48" White Led Light	BP031096
#11	60" White Led Light	BP031164
#12	65" White Led Light	BP031170
#13	75" White Led Light	BP031171



Technical Support  
(224) 253-5909

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REV - 3.0\_12/2025

## Indoor Sauna Care Guide

### During sauna use:

- When using the heater and the control unit refer to the user manual provided by the heaters' manufacturer.
- Throw water only on the stones and not on the walls or the platform.
- To keep the platform looking fresh, we advise using seating pads or a towel on the bench.
- Avoid sitting on the platform in wet swimwear.
- Keep an eye on the stones as they might break down in time. Replace old stones with new ones or add new stones.
- Avoid use of non-compliant cleaning agents. For example, disinfectants bleach the wood surface and may ruin it.

### After sauna use:

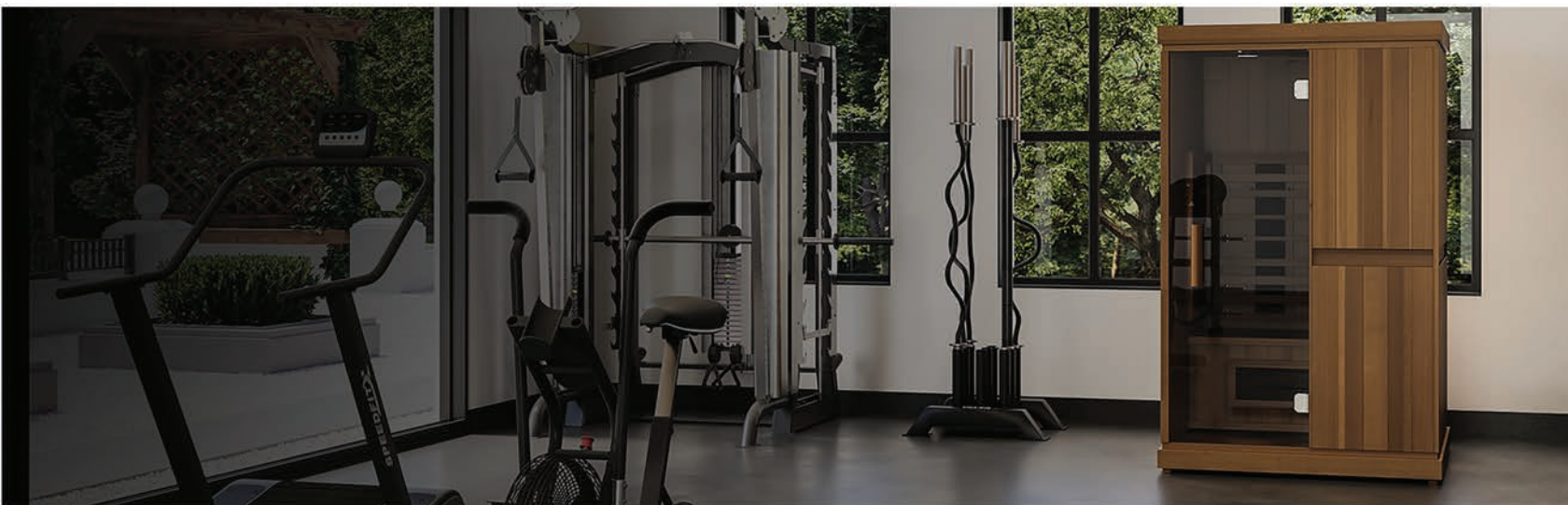
- After using the sauna, ventilate the room and allow the surfaces to dry.
- Wipe off the platform with a clean, damp cloth. Keep excess water from pooling on wood surfaces. Do not use a stream of water to wash the platforms.
- After cleaning the sauna, ventilate the room and allow surfaces to dry. Remove seating pads from the benches.
- When not using the sauna, the door should remain closed.

### Annual Maintenance:

- The wood in the sauna should be treated with a specific cleaning compound (sauna cleaner).
- Wash all parts of the platform on all sides with a special cleaning compound (sauna cleaner), using a soft brush and/or cloth. Follow the directions of the cleaning compound manufacturer.
- For stronger stains and soiling, the platform surface can be cleaned gently using fine-grade sandpaper. The platform or sanded surface should then be re-treated with protectant.

### Avoid the following:

- Drying textiles such as carpets and clothing etc. as this may pose a safety hazard. Excessive moisture may also damage the surface of the wood.
- Do not heat the sauna to a temperature beyond the specifications of the heater manufacturer. Excessive heat may cause the wood to warp or pose a safety hazard.
- Pressure washing or using a stream of water to clean the sauna, as excess moisture may permanently damage the wood surface and structures.



## Our Warranty

Finnmark Designs warrants to the original purchaser (“you”) the following regarding your new sauna, when (a) is installed in accordance with installation instructions provided, (b) is properly and reasonably maintained, and (c) has not been subjected to damage, misuse, or abuse, and (d) is for residential use only.

## We build saunas that **last longer than the competition.**

Using high quality materials coupled with state-of-the-art technology, our saunas outperform the competition.

Product Name	Indoor Residential	Outdoor Residential	Commercial	Price
Sauna Cabin (All Wood)	10 Years	5 Years	5 Years	Included
Non-Factory Installed Components	No Coverage	No Coverage	No Coverage	N/A
Controls and Power Supply	10 Years	5 Years	5 Years	Included
Spectrum Plus™ Heaters	Lifetime	Lifetime	Lifetime	Included
Spectrum Carbon Heaters	10 Years	10 Years	10 Years	Included
LED Lighting	10 Years	10 Years	10 Years	Included
Remotes	1 Year	1 Year	1 Year	Included
Cushion (Optional)	1 Year	1 Year	1 Year	Included
Outdoor Cover (Optional)	10 Years	10 Years	10 Years	Included

Warranty stated unless changed on quote or invoice. Warranty last updated December 12, 2022.