



Luminar 5

Outdoor Full-Spectrum Infrared Sauna

5-Person



ASSEMBLY GUIDE

This guide covers uncrating, assembly, electrical requirements, and installation verification. For operating instructions, care, and warranty information, please see the Luminar Owner's Manual.

VERSION 2.6 · SEPTEMBER 2026 · MODEL: LUMINAR 5

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TIP

A video walkthrough of the full assembly is available. Scan the QR code or visit **SunHomeSaunas.com**.



Before You Begin

Congratulations on your new Sun Home Luminar 5. Assembly is straightforward when the steps are followed in order: the four walls stand on the ground around the Floor Panel and screw together at each corner over a bead of silicone caulk, the ceiling panel and roof lower into place, and every electrical connection is a labeled plug. No woodworking is required. Please read this entire guide once before starting, then complete the steps in sequence. Each component must be in place before the next can be installed correctly.

At a Glance

REQUIREMENT	WHAT YOU NEED
People	2 people minimum, and a third person to run the caulk gun and drill makes the wall steps easier. Every wall step and the roof lift are marked TEAM BUILD.
Time	Plan on a half day. Allow approximately 3 to 4 hours of assembly for two people, plus time for uncrating, sorting hardware, and site preparation.
Skills	No special skills required. Basic hand tools, a power drill, and a caulk gun. The electrical outlet itself must be installed by a licensed electrician.
Space	A level pad at the installation site that extends at least 6 in beyond the sauna on every side, plus a large staging area such as a driveway or garage for uncrating.

Plan Your Delivery Day

- The shipping crate measures **95.3 in L × 30.8 in W × 85.9 in H (2421 × 782 × 2182 mm)** and weighs **1,270 lb (576 kg)** gross. It arrives by freight carrier. Confirm where the crate will be placed at delivery and that the path from the street is clear of gates, steps, and soft ground.
- Panels travel from the uncrating spot to the pad individually. The largest wall panels measure approximately 82 in long and up to 7 ft tall. Confirm they will fit through every gate and along the route before you open the crate, and use lifting straps.
- If the sauna cannot be assembled immediately, keep the crate fully covered and off wet ground. Moisture exposure can damage the panels and electrical components.

NOTICE • SHIPPING DAMAGE

Inspect the crate for shipping damage before opening it, and inspect each component as you unpack. If any part is damaged or missing, **do not assemble the sauna**. Photograph the part and the crate, then contact Sun Home Saunas at 1-844-728-6200 or info@sunhomesaunas.com **within 3 business days of delivery** with your order number, the part name from the Components table in Section 04, and your photos. Assembling with damaged components can void applicable claims.

Safety Warnings

WARNING • ELECTRIC SHOCK AND FIRE

Do not connect the sauna to power until you reach Step 14, Function Test. Working on panels or ceiling connections while the sauna is energized can cause electric shock.

The dedicated outlet must be installed by a **licensed electrician** in compliance with local codes. Never use an extension cord, power strip, plug adapter, or standard household outlet with this sauna; the power cord must plug directly into its dedicated NEMA L6-30R outlet. Improper electrical installation can cause a fire and voids the warranty.

WARNING • DURING ASSEMBLY

- **Lift with two or more people.** Wall panels, the ceiling panel, and the roof are heavy and awkward; lifting alone can cause back injury or a dropped panel. Steps marked TEAM BUILD require at least two people.
- **Glass is present** in the Glass Wall (C), the door, and the heater mounting positions. Never strike glass, never set a panel down on its glass face, and never drive a bolt through glass without its silicone washer. Broken tempered glass can cause serious cuts.
- **Panels are flat-packed and unsecured in the crate.** One person must support the remaining panels as each one is removed, and an upright wall must be held until it is screwed to its neighbor. An unsupported panel can fall and cause serious injury.
- **Keep children and pets away** from the work area. A falling panel or an unsecured wall can cause serious injury.
- Wear work gloves when handling the crate and panels. The utility staples and metal brackets around the crate can cut bare hands.
- Full-spectrum heaters become extremely hot and can burn skin. Keep hands, cables, and packaging clear of the heater faces during the Function Test, never place any item on or over a heater, and never drape towels or clothing over a heater to dry.

Installation Environment

- **Outdoor use, on a proper pad.** The Luminar is built for outdoor installation with its stainless steel roof and included weatherproof cover. Install it on a flat, level, stable surface such as a concrete pad, pavers on a compacted base, or a structural deck. Do not install on a sloped or soft surface; a sloped surface causes structural misalignment and door problems.
- **Surface size and strength:** the surface must extend at least 6 in (15 cm) beyond the sauna on all sides and support at least 1,270 lb (576 kg). Check it with a level in both directions before assembly begins.
- **Drainage:** water must not pool around the base. Avoid low spots and roof edges that shed water onto the sauna.
- **Ventilation:** do not block or cover the sauna's vents, and keep the clearances in Section 03 open on all sides so air can circulate around the cabin.
- **Clearances:** keep plumbing, flammable objects, and corrosive chemicals away from the sauna.
- **Indoor installation:** if the sauna is installed indoors or under a roof, provide the same level surface, drainage for condensation, and the clearances in Section 03.

Weather and Seasonal Considerations

- Plan assembly for a dry day. The silicone caulk at each corner must be applied to dry wood, and most silicone caulks cure best above 40°F (4°C).

Specifications and Requirements

Luminar 5 Specifications

SPECIFICATION	LUMINAR 5
Exterior Dimensions	82.25 in W × 51.75 in D × 84 in H (2089 × 1314 × 2134 mm)
Interior Dimensions	78 in W × 47 in D × 72 in H (1981 × 1194 × 1829 mm)
Crate Dimensions	95.3 in L × 30.8 in W × 85.9 in H (2421 × 782 × 2182 mm)
Crate Gross Weight	1,270 lb (576 kg)
Installation Surface Load	Supports at least 1,270 lb (576 kg)
Capacity	5 persons
Materials	Canadian red cedar interior; aluminum exterior wall cladding; stainless steel exterior roof; tempered glass
Circuit	240V, 30A dedicated circuit with GFCI protection
Heating Power	7,200 W
Plug	NEMA L6-30P (twist-locking)
Power Cord	8 ft, exits the roof at the top of the Back Wall (B)
Heaters	15 heating elements in total: 10 full-spectrum, with 4 on the Glass Wall (C), 4 on the Back Wall (B), and 2 on the Side Wall (A), and 5 far-infrared, with 2 in the floor and 3 in the calf heater panels
Heat-Up Time	30 to 45 minutes in typical conditions; allow approximately 60 minutes at or below 40°F (4°C)
Connectivity	Bluetooth built into the control box; Wi-Fi via a dongle extending from the control box; pairing instructions are in the Owner's Manual

Electrical Requirements

NOTICE • ELECTRICAL REQUIREMENTS

The Luminar 5 requires a **dedicated 240V 30A circuit** with a **NEMA L6-30R twist-locking outlet**, protected by a Ground Fault Circuit Interrupter (GFCI), installed by a licensed electrician in an outdoor-rated weatherproof enclosure within 6 ft (1.8 m) of the point where the 8 ft power cord exits the roof at the top of the Back Wall (B). Plan the outlet location so the cord reaches it with slack, and provide this page to your electrician.

While other devices on the circuit will not damage the sauna, they can overload the circuit while the sauna is running and trip the breaker. A dedicated circuit prevents this. Never use extension cords, power strips, or adapters.

Clearance Requirements

LOCATION	REQUIRED CLEARANCE
Door Wall (D)	Clear space for the door to swing fully open and for you to step in and out
Back Wall (B), Side Wall (A), and Glass Wall (C)	8 in (20 cm) minimum for airflow, cable access, and maintenance
Above the roof	12 in (30 cm) minimum, so you can reach the roof connections during assembly and for maintenance
Pad beyond the footprint	6 in (15 cm) minimum on all sides

Site Checklist

- ☐ The pad is flat, level, stable, and drains freely; it extends at least 6 in beyond the sauna footprint on every side and supports at least 1,270 lb (576 kg).
- ☐ A dedicated 240V, 30A GFCI-protected circuit with a NEMA L6-30R outlet in a weatherproof enclosure is installed within 6 ft (1.8 m) of the power cord exit at the top of the Back Wall (B).
- ☐ The clearances in the table above are available, including full door swing on the Door Wall (D).
- ☐ Wi-Fi coverage reaches the pad if you plan to use app control; pairing is covered in the Owner's Manual.
- ☐ The route from the crate to the pad is clear for panels approximately 82 in long and up to 7 ft tall, and a large staging area is available for uncrating.
- ☐ The forecast is dry for assembly day and the temperature is above 40°F (4°C), so the caulk can cure.

What's in the Crate

Unpack carefully and check every item against the lists below before you begin. Hardware ships in labeled bags; the bag marked "sauna room assembly" holds the wall screws. Keep each bag together until its contents are called for by name in the steps. Wall letters match the construction diagram and the floor diagram in Step 3: **A is the Side Wall, B is the Back Wall, C is the Glass Wall, and D is the Door Wall.**

Construction Diagram

Figure 1 identifies the four walls and the major interior components. The wall letters in this figure match every diagram and step in this guide.

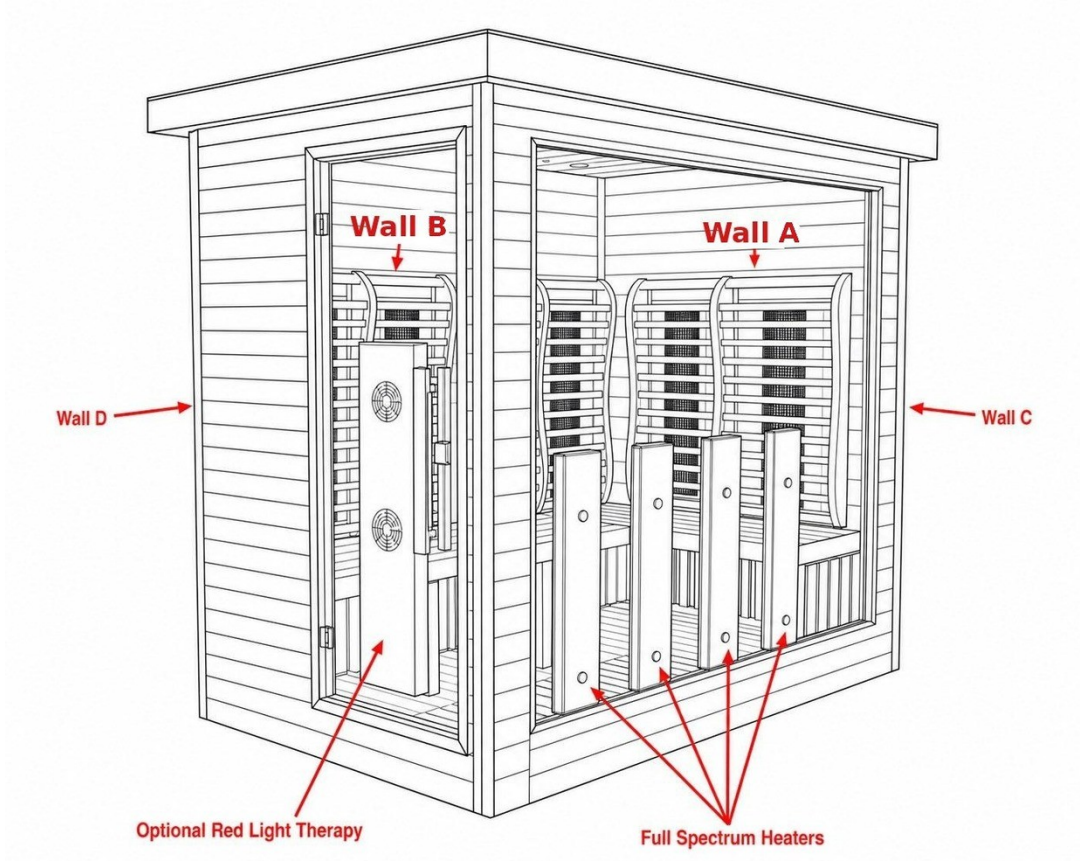


Figure 1. Construction diagram: A Side Wall, B Back Wall, C Glass Wall, D Door Wall.

Components

REF	COMPONENT	QTY	SHOWN IN
1	Side Wall (A), with two full-spectrum heaters and the side bench outlets	1	Figures 1 and 6
2	Back Wall (B), with four full-spectrum heaters and the power cord notch at the top edge	1	Figures 1 and 7
3	Glass Wall (C), tempered glass with four heater mounting positions	1	Figures 1 and 9

REF	COMPONENT	QTY	SHOWN IN
4	Door Wall (D), with the pre-hung glass door and soft-close hinge	1	Figures 1 and 10
5	Floor Panel, with the floor harness, heater receptacles, and pre-installed floor grates	1	Figure 4
6	Interior Ceiling Panel, with speakers, control box, and the main power cord	1	Figures 11 and 12
7	Exterior Roof Panel, stainless steel, with the roof LED lead (wire #4)	1	Figure 22
8	Roof Trim Pieces (3 full length, 2 short for the back)	5	Figure 23
9	Full-Spectrum Heaters, loose, for the Glass Wall (C); the wall heaters arrive pre-installed	4	Figure 14
10	Side Bench Support Panel	1	Figure 16
11	Side Calf Heater Panel	1	Figure 16
12	Back Wall Calf Heater Panel	1	Figure 17
13	Rear Bench Seat, for the Back Wall (B)	1	Figure 18
14	Side Bench Seat, for the Side Wall (A)	1	Figure 18
15	Backrests (4 smaller for the Back Wall (B), 2 larger for the Side Wall (A))	6	Figure 19
16	Chromotherapy Ceiling Lights	2	Figure 12
17	Door Handle Kit (exterior knob with spindle, interior knob, 2 latch cover plates, 2 round knob covers, 2 rubber knob covers, 2 screws)	1	Figure 3
18	Oxygen Ionizer, with air freshener packet	1	Figure 20
19	Ambient Lighting Remote	1	Not pictured
20	Protective Weatherproof Cover (installation is optional and covered in the Owner's Manual)	1	Not pictured
21	Accessories: Cup Holders (2), Magazine Holder, Towel Rack, Tablet Holder, each with its own screws	1 set	Figure 24
.	Red Light Therapy Panel (optional add-on, ships separately)	1	Figure 25

Hardware and Extras

ITEM	SIZE	QTY	USED IN
Wall screws (Screw B), bag marked "sauna room assembly"	Universal screw	20	Steps 5 to 7, 5 per corner
Full-spectrum heater bolts (Bolt A) with silicone washers	M8 × 20 × 20, washer on each	8	Step 10, 2 per heater
Bench and calf panel screws (Screw C)	M3.9 × 60	12	Steps 11 and 12

ITEM	SIZE	QTY	USED IN
Backrest screws (Screw D)	M3.9 × 70	30	Step 12, 4 per backrest, extras are spares
Roof trim wood screws (Screw E)	M3.5 × 38	30	Steps 8 and 16
Roof and trim screws for aluminum (Screw F)	Sheet metal screw	50	Step 16, horizontal row
Ionizer screws (Screw A)	M2.9 × 19	2	Step 13
Door glass filler bolts (Bolt B)	M6 × 16 × 20	4	Step 18, only without the RLT add-on
Screw covers (plastic caps)	Press fit	1 set	Step 17, optional
Cover fixing kit: eye bolts and silver rings	Eye bolt + ring	11 + 11	Optional cover installation; see the Owner's Manual
Power cord strain relief (sleeve, zip tie, anchor screw)	Sleeve kit, M3.5 × 19 screw	1	Step 9, inside the ceiling
Wood grain stickers	Adhesive	1 set	As needed, cosmetic touch-up
Silicone caulk, clear exterior grade	10 oz tubes	1 to 2	Steps 4 to 7 (not included)

TIP

Sort the hardware into labeled groups by screw letter before starting. Screw A (ionizer) and Screw B (walls) look similar and Screw B is the longer of the two, so keep each in its labeled bag until it is called for.

NOTE

The Red Light Therapy Panel add-on ships with its own four mounting bolts and washers. The four Bolt B filler bolts in the hardware bag fill the door holes only when the add-on is not installed.

Tools and Site Preparation

Tools

REQUIRED TOOLS	RECOMMENDED TOOLS
Crowbar or pry bar	Lifting straps, strongly recommended for moving panels
Hammer (for uncrating only)	Work gloves
Utility scissors or utility knife	Glass suction cups for handling the Glass Wall (C)
Power drill with a long Phillips head bit	Tape measure, for squaring the walls
Phillips head screwdriver	Shims, for leveling the Floor Panel
Caulk gun with clear exterior-grade silicone caulk (not included)	
Level, 4 ft recommended	
Ladder or step stool	

Prepare the Site

- Clear the pad and the route from the crate to the pad. Uncrate in a large staging area such as a driveway or garage, then carry the panels to the pad one at a time.
- Verify the site against the Site Checklist in Section 03 before uncrating, and confirm the outlet is installed and its breaker is switched off.
- Stage your tools, caulk, and hardware bags at the pad so everyone can stay with the panels.
- Check the forecast. Assembly must be done in dry weather so the caulk bonds and the electrical connections stay dry.

Crate Disposal

The crate consists of wood panels, metal brackets, cardboard, and foam. Most municipal recycling programs accept the cardboard, and the wood can be recycled or disposed of as construction debris. Set packaging aside during assembly rather than discarding it immediately, in case any component needs to be photographed or returned.

Assembly Steps

Complete all steps in order. Do not skip ahead. Wall letters A through D are used throughout: **A is the Side Wall, B is the Back Wall, C is the Glass Wall, and D is the Door Wall.** Standing outside and facing the Glass Wall (C), the Door Wall (D) is on your left and the Side Wall (A) is on your right. The steps are grouped into six phases so you can track your progress.

NOTICE • CONNECTION METHODS

Components connect three ways: the wall panels stand on the ground around the Floor Panel and screw together at each corner over a bead of silicone caulk; the ceiling panel and roof rest on top of the walls; and every electrical connection is a labeled plug that pairs with its numbered or labeled match. Ensure each connection is firmly seated before moving to the next step.

NOTICE • CAULK REQUIREMENT

Apply clear silicone caulk to the full-length vertical seam of each wall immediately before pressing it against the adjoining wall. The caulk must still be wet when the panels are joined; if it skins over before the connection is made, remove it and reapply. Sealing all four corner seams is required to validate the warranty.

PHASE 1 • UNCRATING AND DOOR • STEPS 1 TO 2

STEP 1 • Preparation and Uncrating

TEAM BUILD

Two or more people are required. One person must hold the crate contents upright while the other removes the crate front, and someone must support the remaining panels as each one comes out.

- Cut and discard the exterior straps with utility scissors.
- Locate the front panel of the crate, labeled "LUMINAR, Welcome to Wellness."
- Remove all metal brackets with a drill or screwdriver, and discard the brackets and their screws.
- Pry the front panel open: bottom first, then sides, then top, and watch for utility staples around the perimeter (Figure 2).
- With one person holding the contents upright, remove the crate front and set it aside.
- Panels are flat-packed and unsecured. Remove one panel at a time while a second person supports the remaining panels. Lifting straps are strongly recommended.

- Check every component against the inventory in Section 04. Stage panels on edge on a soft, dry surface, never resting on glass.

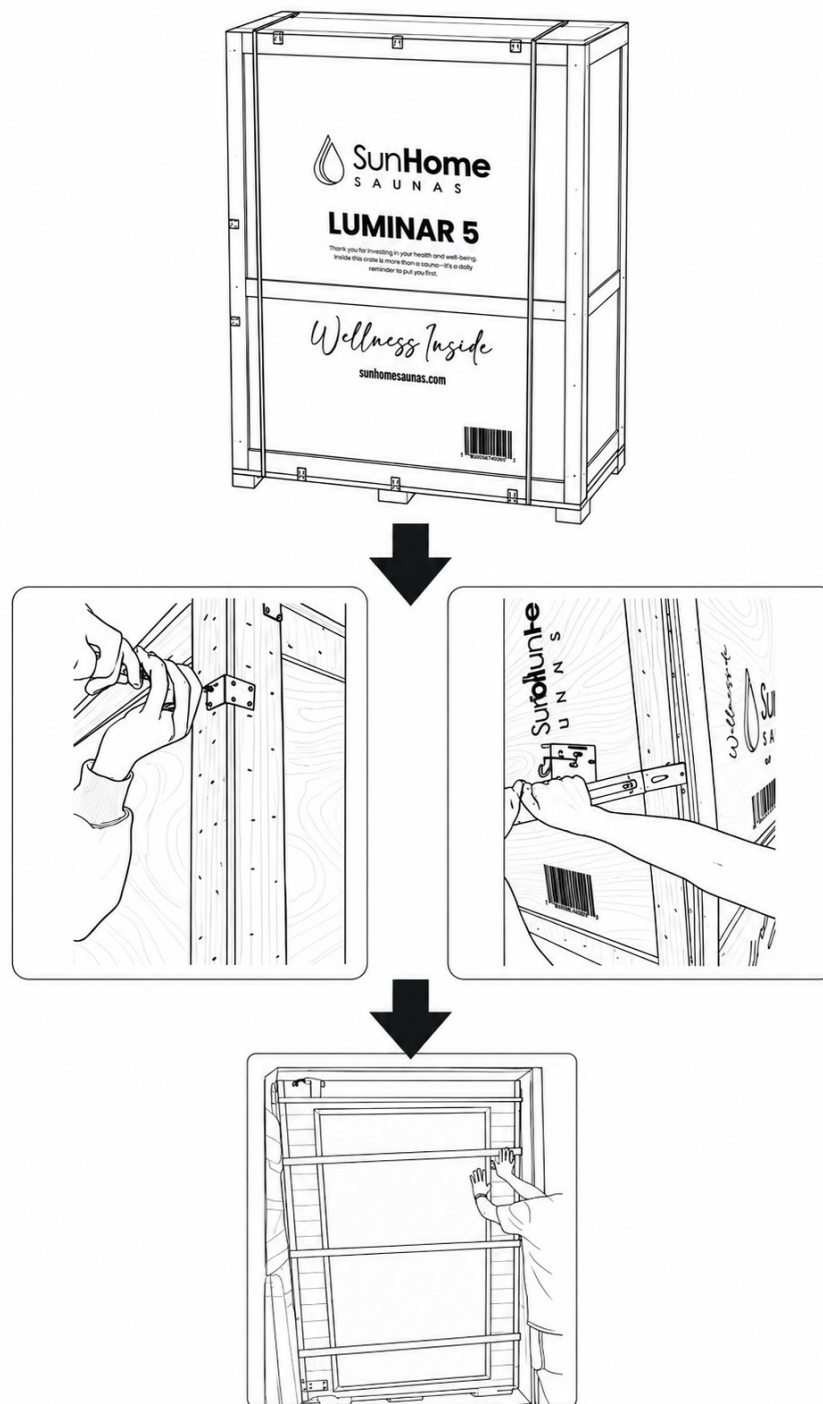


Figure 2. Uncrating: brackets off, front panel open, panels supported.

TIP

Uncrate in a large staging area such as a driveway or garage, then move the panels to the pad one at a time.

STEP 2 • Install the Door Handle

Install the door handle now, while the Door Wall (D) is lying flat or securely propped, and before the walls are assembled. The knob is far easier to fit before the door is standing in place.

Parts (Figure 3): (A) exterior knob with attached spindle, (B) interior knob, (C) two latch cover plates, (D) two round knob covers, (E) two screws for the interior knob, and (F) two rubber knob covers, not pictured.

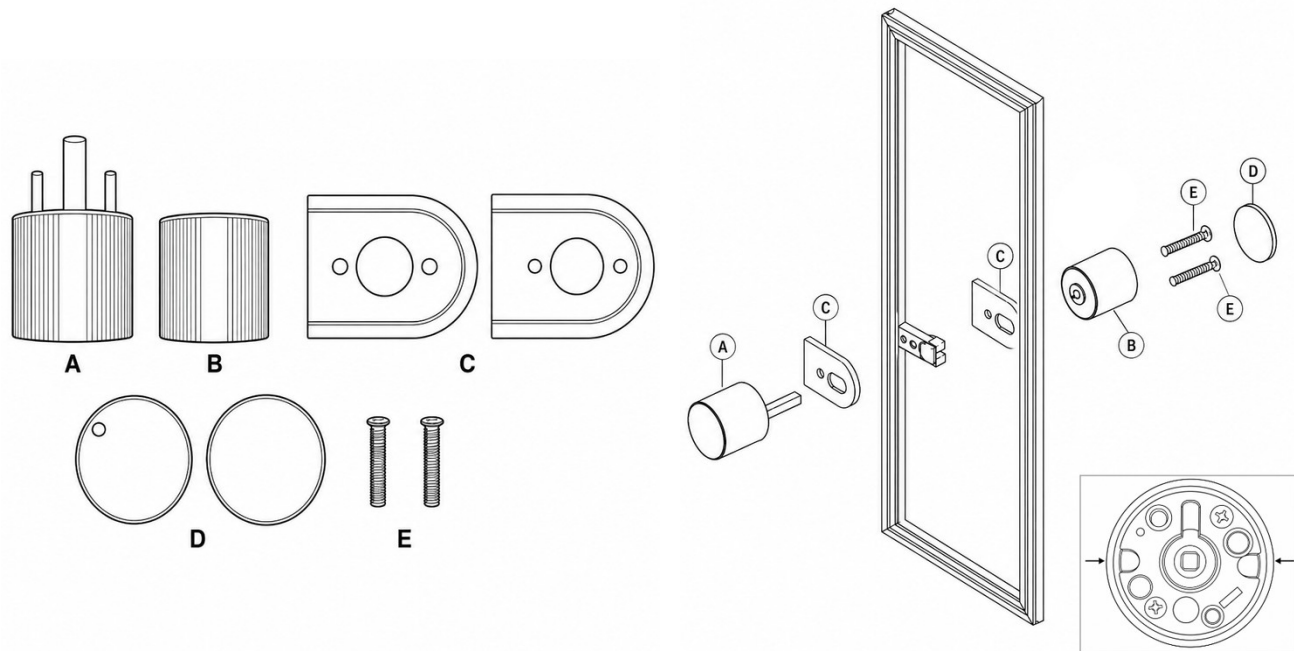


Figure 3. Door handle kit parts (left) and knob installation (right).

- Insert the exterior knob (A) through one latch cover plate (C) and into the door from the exterior side. No screws are used for the exterior knob.
- On the interior side, place the second latch cover plate (C) over the door latch.
- Insert the two screws (E) into the two screw holes for the interior knob.
- Mount the interior knob (B) over the spindle with its circular cutout facing downward, and tighten the screws halfway with the Phillips head screwdriver.
- Adjust both latch cover plates until they are level, then fully tighten the screws.
- Verify operation: the knob turns right to open from the interior and left to open from the exterior.
- Snap the round knob covers (D) into place on both sides. They twist counterclockwise to remove if the knob ever needs adjustment.
- Fit the rubber knob covers (F) over both knobs.

CHECKPOINT

The knob turns freely from both sides, the latch retracts fully, and both cover plates sit level and tight.

STEP 3 • Position the Floor Panel

- Place the Floor Panel on the pad exactly where the sauna will live. The assembled sauna should never be slid or dragged.
- Orient the Floor Panel using the floor diagram (Figure 4): the row of heater receptacles runs along side C, where the Glass Wall will stand, and the door side D is opposite side A. Face side D toward your intended entry direction, and place side B nearest your electrical outlet.
- Confirm the surface is completely level in both directions with your level. Shim if necessary.
- Confirm drainage. Water must not pool at the base.

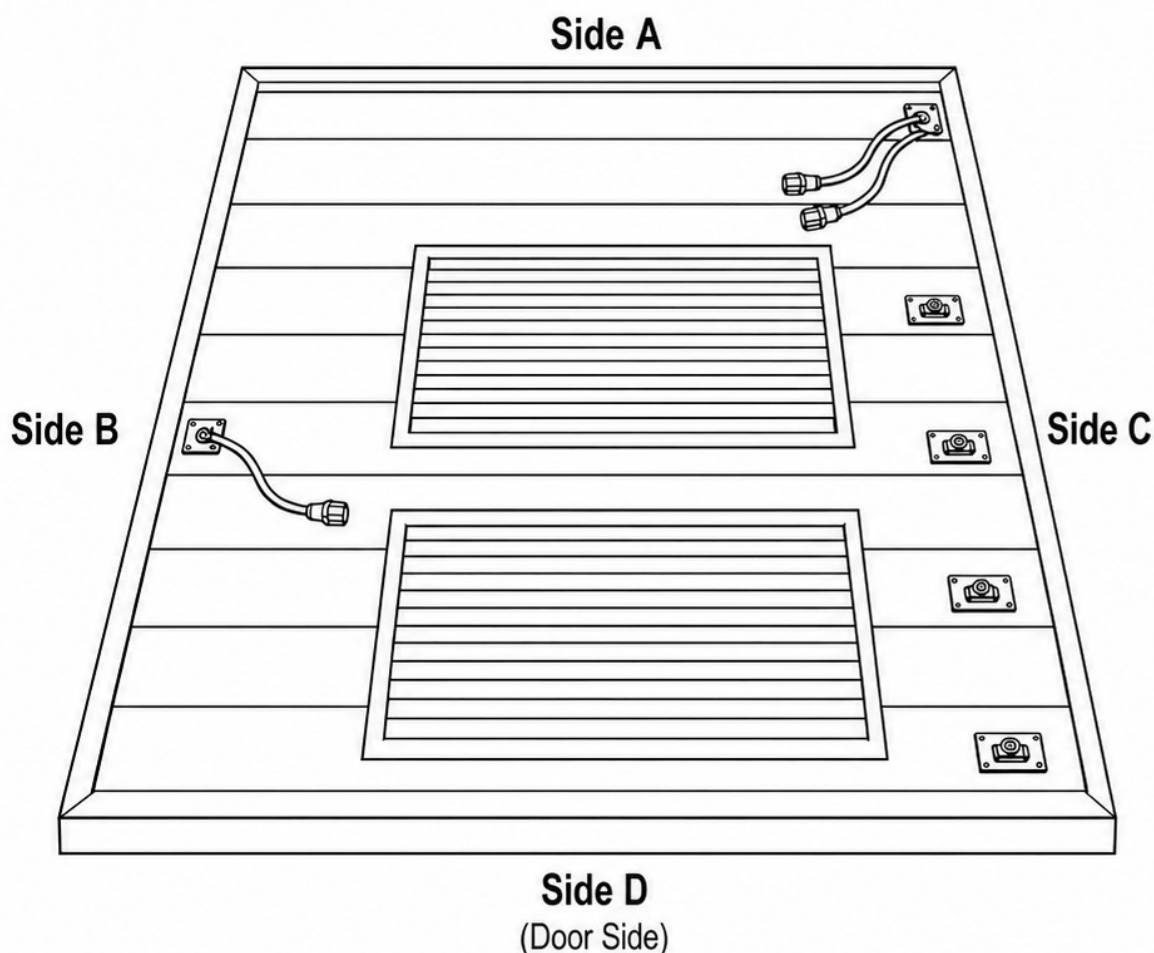


Figure 4. Floor Panel orientation: heater receptacles along side C, door side D.

TIP

The walls sit on the ground around the perimeter of the Floor Panel, not on top of it. Leave working room on all four sides.

CHECKPOINT

The Floor Panel is level in both directions, side C with the heater receptacles faces the Glass Wall position, and the outlet is within reach of the power cord at side B.

STEP 4 • Install the Side Wall (A)

TEAM BUILD

Two or more people are required for this step and for every wall through Step 7. One person must hold each wall upright until it is screwed to its neighbor. Install the walls in the order shown in Figure 5: A, then B, then C, then D.

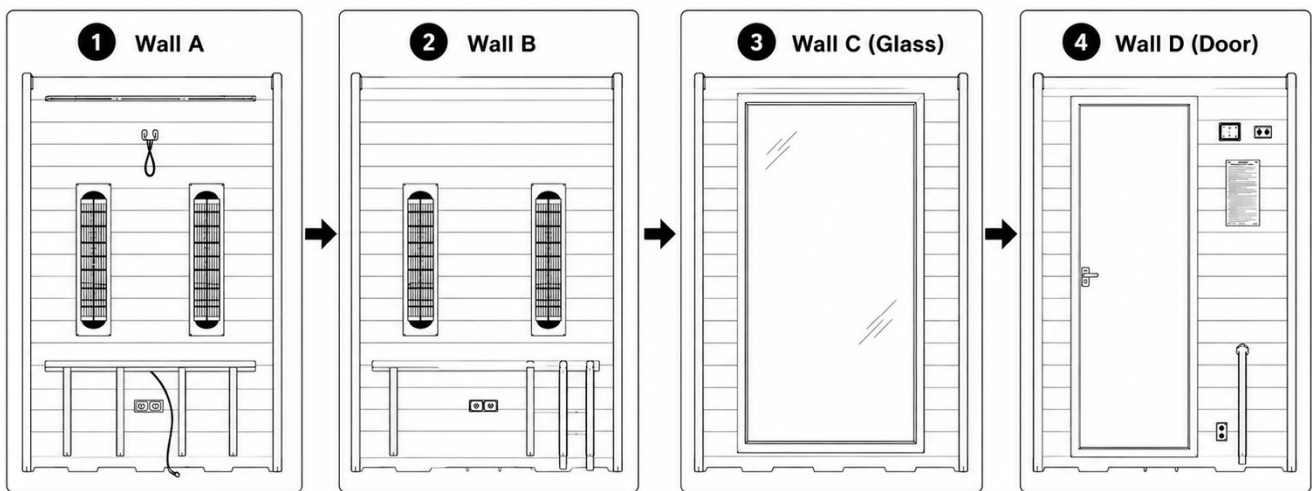


Figure 5. Wall installation order: A, B, C, D.

- Identify the Side Wall (A): the solid wall with two full-spectrum heaters and the side bench outlets.
- Run a full-length bead of caulk down the vertical end of Wall A that will meet the Back Wall (B).
- Stand Wall A on the ground against the Floor Panel edge on side A, flush against the floor edge, not on top of it, and have one person hold it upright (Figure 6).

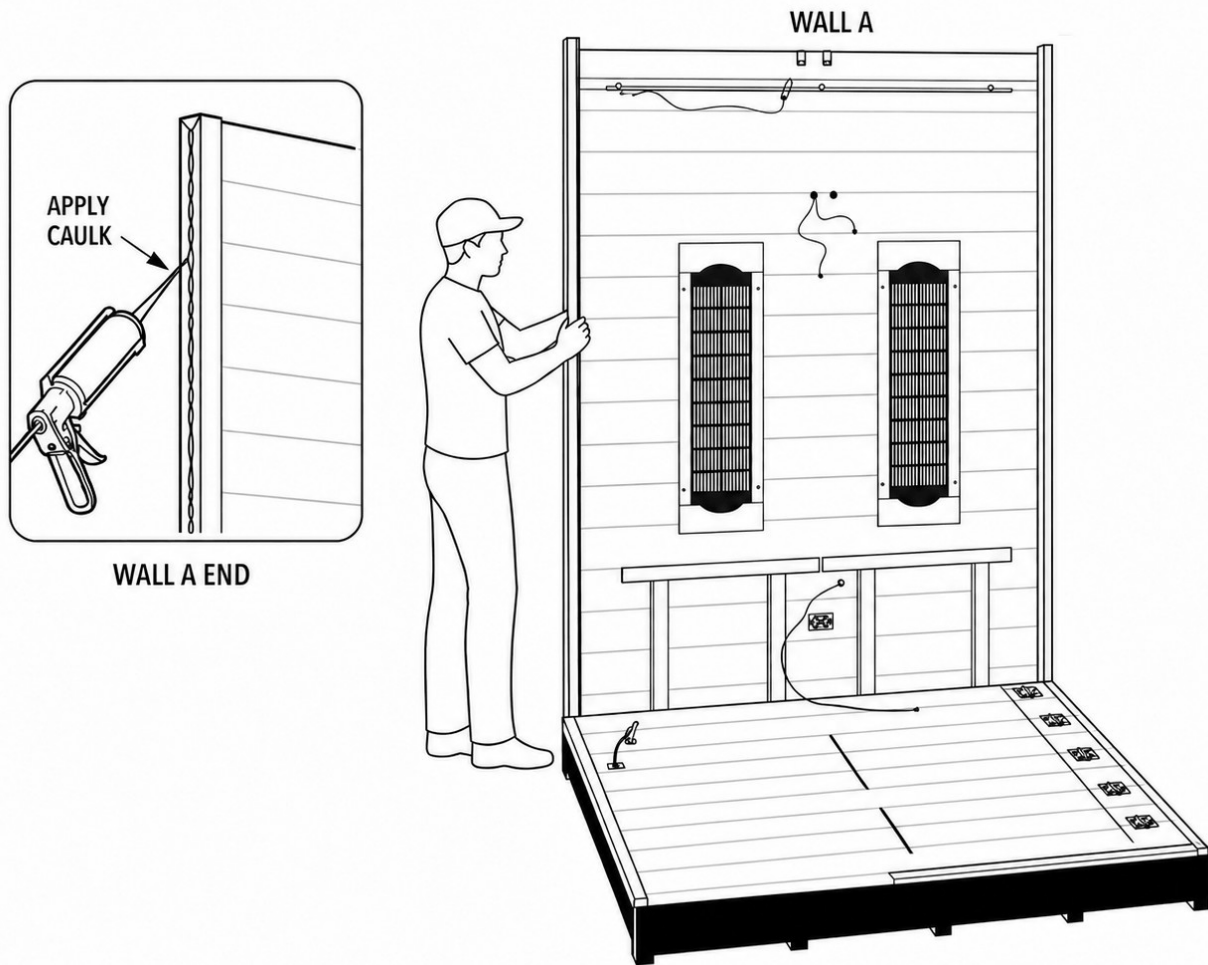


Figure 6. Side Wall (A) standing against the Floor Panel edge, with caulk applied to its corner end.

CHECKPOINT

Wall A stands plumb against the Floor Panel edge, and its caulked end is at the back corner where Wall B will join it.

STEP 5 • Install the Back Wall (B)

- Refresh the caulk on the corner of Wall A nearest where Wall B will connect if it has begun to skin over.
- With two people lifting, bring the Back Wall (B) into position flush against the caulked edge of Wall A and against the Floor Panel edge on side B (Figure 7).
- Into each of the five pre-drilled holes at the corner, insert one wall screw (Screw B, from the bag marked "sauna room assembly").
- Once both walls are seated and flush, drive each screw fully with the power drill, starting from the lowest screw and working up.
- Minor gaps between the floor and the wall panels are normal. If any gap exceeds 1/8 in, partially unscrew the panel, have one person push from the exterior to seat it properly, and retighten while a second person stabilizes from inside (Figure 8).

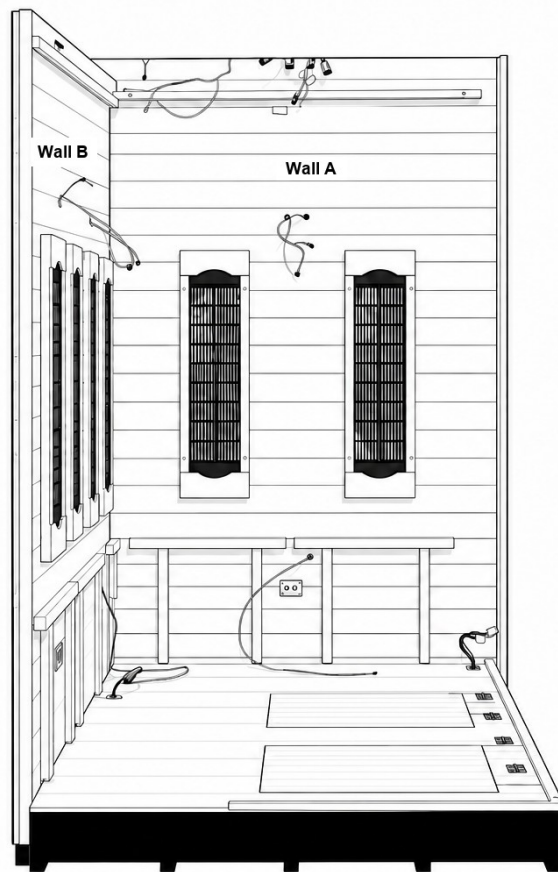


Figure 7. Back Wall (B) joining the caulked corner at the standing Side Wall (A).

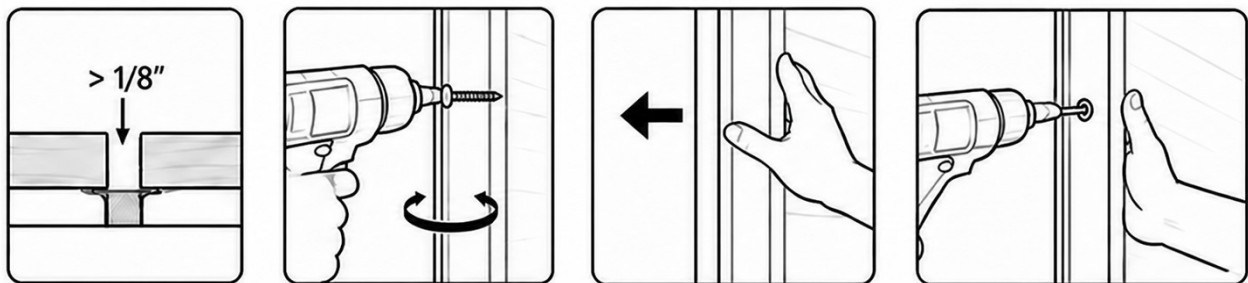


Figure 8. Seating a wall to close a floor gap: push from outside, stabilize from inside.

CHECKPOINT

Walls A and B form a square corner, all five corner screws are driven, and no gap at the floor exceeds 1/8 in.

STEP 6 • Install the Glass Wall (C)

TEAM BUILD

Two people are required, and glass suction cups help. The Glass Wall is heavy and fragile; never let it rest on a corner of the glass.

- Apply caulk down the free vertical corner of Wall A, where the Glass Wall (C) will join it.
- Insert the five wall screws (Screw B) into the pre-drilled holes in the edge of Wall C before lifting it, so no one has to start screws while holding glass.
- Lower Wall C into position against the caulked corner of Wall A and against the Floor Panel edge on side C (Figure 9). Start the screws but do not fully tighten them yet.
- Continuously re-square the three walls flush to the Floor Panel perimeter. Minor shifting during assembly is normal.

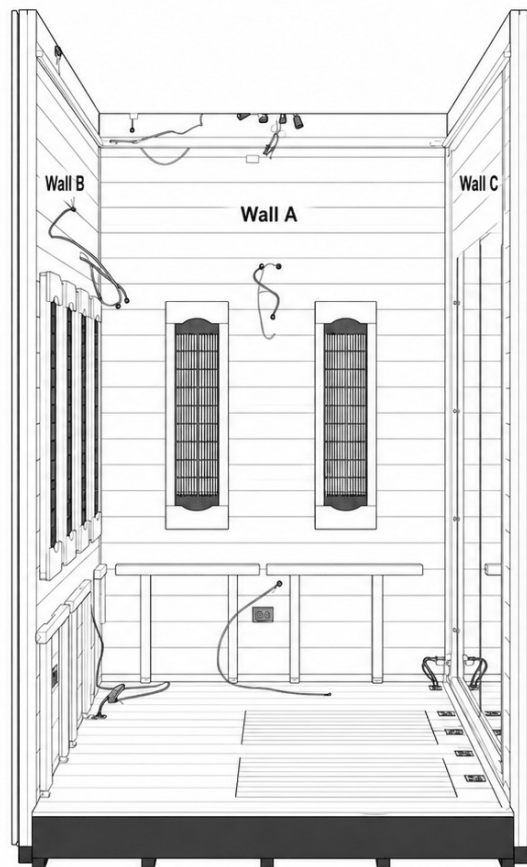


Figure 9. Glass Wall (C) lowered into the caulked corner at Wall A, screws started but not tightened.

CHECKPOINT

Wall C stands plumb with its screws started at the A/C corner, and the heater receptacles in the floor run along the base of the glass.

STEP 7 • Install the Door Wall (D)

- Apply caulk to the free corners of Wall B and Wall C, where the Door Wall (D) will join them.
- With two people, carefully set Wall D into position against both adjoining walls and against the Floor Panel edge on side D (Figure 10).
- Square all four walls against the Floor Panel perimeter. Measure the two diagonals and adjust until they match.
- Drive the five screws at the C/D corner with the power drill, starting from the lowest screw and moving up. Then drive the five screws at the B/D corner in the same order. Finally, fully tighten the screws left loose at the A/C corner in Step 6.

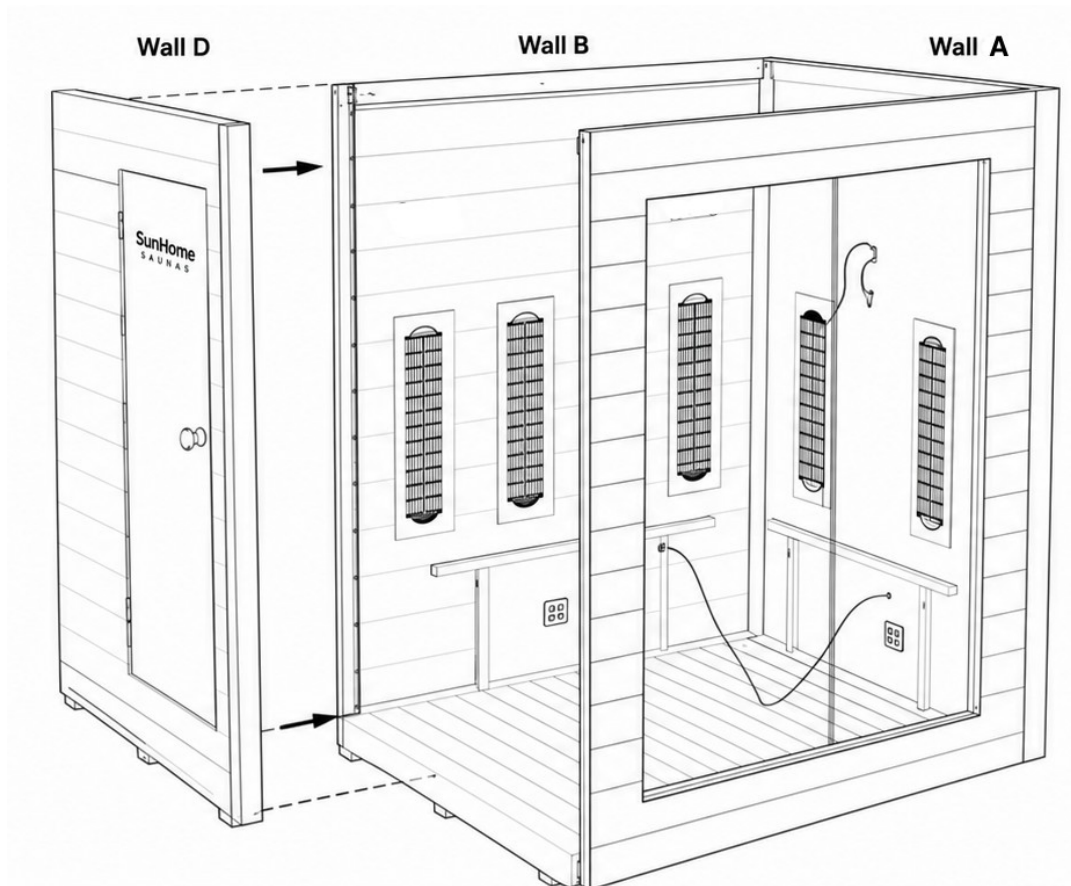


Figure 10. Door Wall (D) closing the fourth corner against Walls B and C.

CHECKPOINT

All four walls are screwed at every corner with 20 screws in total, the corners are square, the door opens and closes freely, and every corner seam is sealed top to bottom.

STEP 8 • Install the Interior Ceiling Panel

TEAM BUILD

Two or more people are required, one on a ladder or step stool. Never install the ceiling panel alone.

- Confirm the power cord is not connected to the outlet before you begin.
- Lift the wires at the top of the walls out of their notches and drape them outside the sauna so they remain accessible.
- Orient the ceiling panel with the wire side facing up, the power cord notch and the long black power cable toward the Back Wall (B), and the black control box toward the Door Wall (D). Compare the panel with the orientation diagram (Figure 12) before lifting it.
- Working from the ladder, lower the Interior Ceiling Panel onto the ledge near the top of the walls until it sits flush on all four sides (Figure 11).
- Secure the ceiling to the walls: drive the trim wood screws (Screw E) through the inner trim at the top of the walls, up into the ceiling panel, using the power drill.
- Set the two square chromotherapy lights into the two provided openings in the ceiling, with the Sun Home logo facing downward into the sauna.

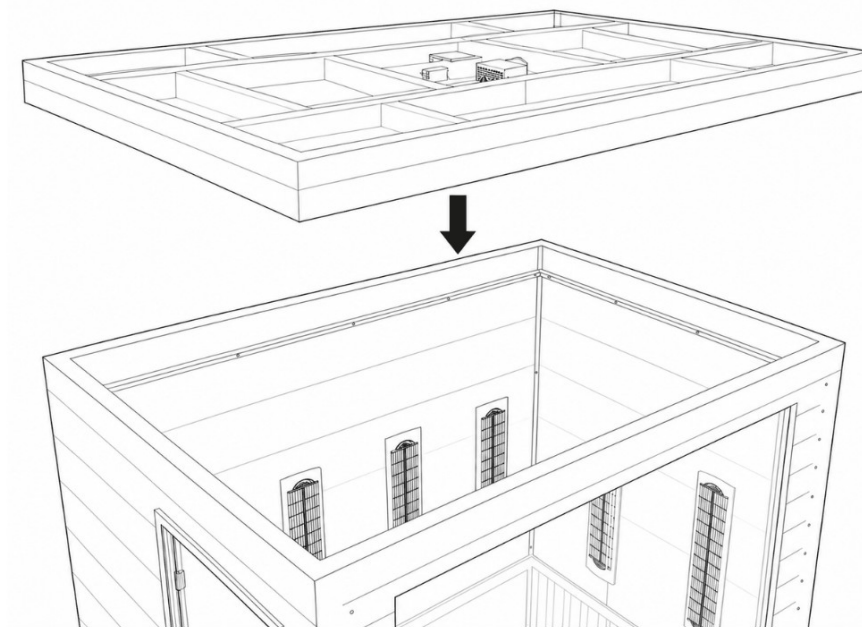


Figure 11. Interior Ceiling Panel lowered onto the wall ledge, wire side up.

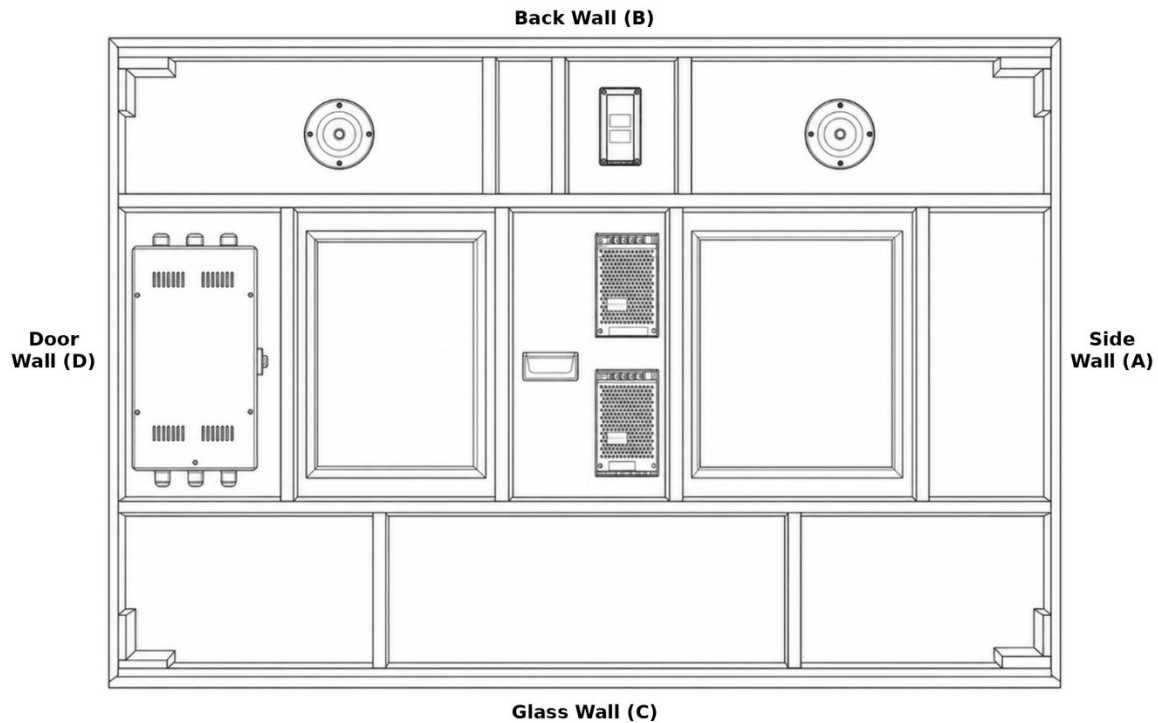


Figure 12. Ceiling panel orientation, viewed from above with the wire side up.

CHECKPOINT

The ceiling panel sits flush on all four walls and is secured through the inner trim, no wire is pinned between the ceiling and a wall, and the power cord notch is at the Back Wall (B).

STEP 9 • Connect the Ceiling Wiring

All connections are made on top of the ceiling panel, working from the ladder. Each connector pairs with a match of the same type and number (Figure 13).

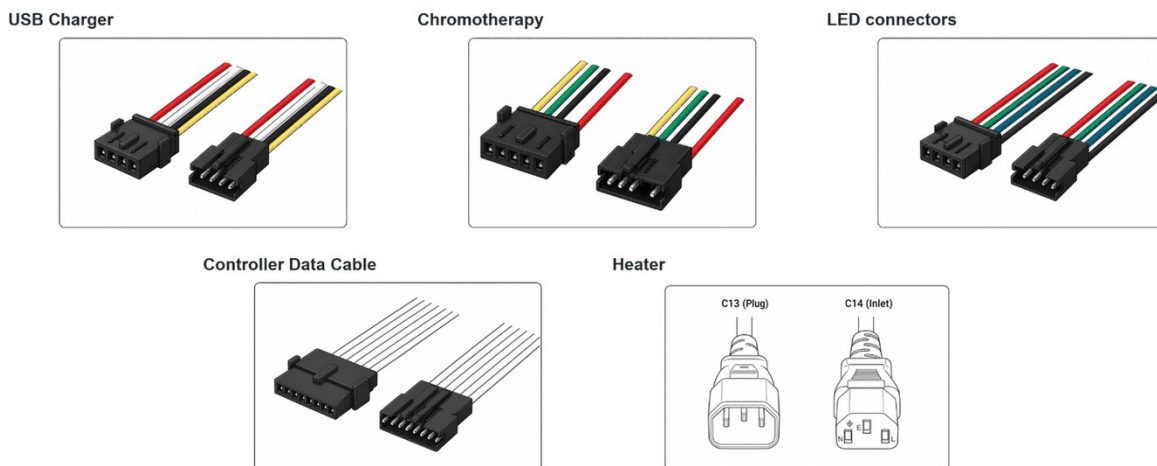


Figure 13. Connector families: USB charger, chromotherapy light, LED, controller data cable, and heater.

- Confirm the power cord is not connected to the outlet before you make any connection.

- Connect all numbered electrical connectors by matching each male connector to the female connector with the same number.
- Connect the Ambient LED, Data, Heater, and Chromotherapy connectors as labeled.
- Pass the thick black main power cable through the notch in the top of the Back Wall (B) to the exterior.
- Fit the power cord strain relief inside the ceiling: place the protective sleeve around the power cable, close a zip tie around the sleeve, and anchor the zip tie to a brace in the ceiling with the included screw. The strain relief protects the cord where it crosses the ceiling.
- Locate wire #4, the lead for the exterior roof LED. Route it up through the small opening in the metallic ceiling area so it hangs free; it connects to the roof in Step 15.
- The control box has Bluetooth built in and a Wi-Fi dongle extending from it. Leave the dongle extended and unobstructed; pairing instructions are in the Luminar Owner's Manual.

NOTICE • WIRING

Do NOT connect the Bench LED wires into the Ceiling LED power chain. This chain runs around the roof in a circular path and ends in an unused connector. The connectors look identical but power different circuits, and incorrect wiring can damage the lighting components.

The black control box has a red wire with no connector. It is the wireless antenna and must not be connected to anything.

CHECKPOINT

Every numbered pair is joined, the main power cable exits through the Back Wall notch with the strain relief sleeve zip-tied and anchored to a ceiling brace, wire #4 hangs free through the ceiling opening, and the open end of the ceiling LED chain is left unconnected.

PHASE 4 • INTERIOR • STEPS 10 TO 13

STEP 10 • Install the Glass Wall (C) Heaters

- Confirm the power cord is not connected to the outlet before you make any connection.
- Locate the full-spectrum heater bolts (Bolt A). Each bolt must have a silicone washer in place before it is inserted through the glass. Verify every washer.
- Position each of the four heaters on the inside of the Glass Wall (C) over its pre-drilled holes and attach it through the glass with two Bolt A bolts and washers (Figure 14). The washers protect the glass and ensure a weatherproof seal. Tighten until snug; do not over-tighten against the glass.
- The power cord for each heater exits at its base. Plug each cord into the nearest floor receptacle along the base of Wall C (Figure 15).
- At the corner where Wall A meets Wall C, connect the heater power plug from the Floor Panel to the matching connector on Wall C. Push the connectors together until fully seated and locked.



Figure 14. Full-spectrum heater bolted through the Glass Wall (C), silicone washer on every bolt.

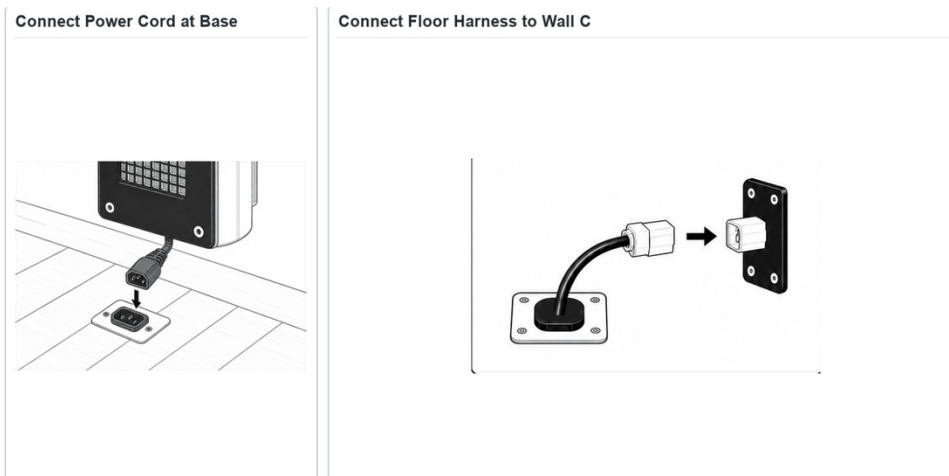


Figure 15. Heater cords plugged into the floor receptacles along the base of Wall C.

CHECKPOINT

All four heaters are bolted with both washers in place, every heater cord is plugged into a floor receptacle, and the floor-to-Wall C harness is locked.

STEP 11 • Install the Calf Heater Panels

- Confirm the power cord is not connected to the outlet before you make any connection.

Side Bench Support Panel

- Identify the side bench support panel, the smallest bench component.
- Place it in the corner where Wall A meets Wall C, flat on the Floor Panel without rocking (Figure 16).

Side Calf Heater Panel

- Identify the side calf heater panel, the shorter of the two calf panels, with one far-infrared heating element, with cedar slats and the black mesh heating element facing inward.
- Position it parallel to Wall A, resting in the slot on Wall B at one end and against the side bench support panel at the other (Figure 16).
- Connect its heater and LED cables to the Wall A outlets before securing the panel, and confirm the cables reach without strain.
- Secure the panel to the side bench support panel through the pre-drilled holes with the bench screws (Screw C), using the power drill. Confirm it is flush and firm.

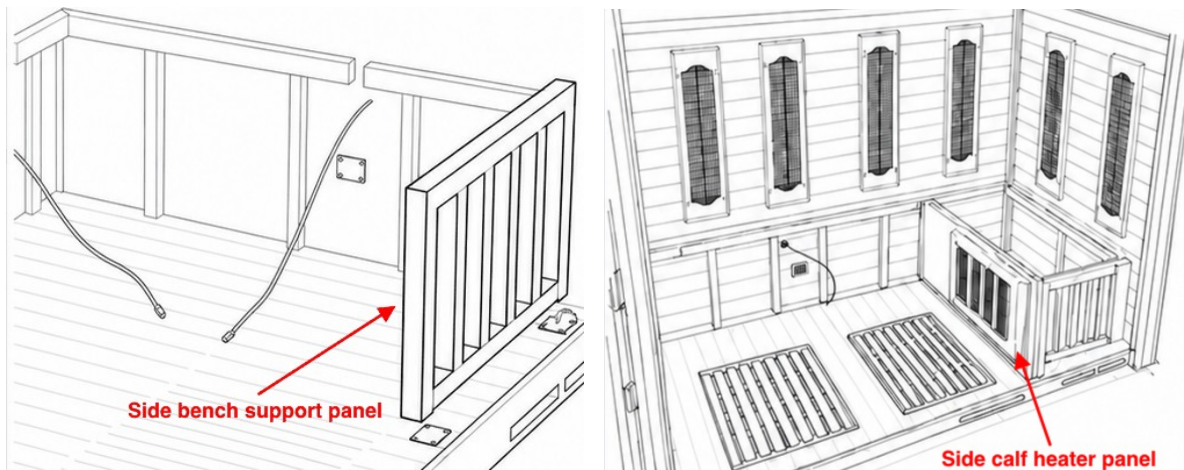


Figure 16. Side bench support panel in the A/C corner (left) and side calf heater panel along Wall A (right).

Back Wall Calf Heater Panel

- Identify the back wall calf heater panel, the longer of the two calf panels, with two far-infrared heating elements.
- Position it parallel to Wall B, resting in the slot on Wall D at one end and against the side calf heater panel at the other (Figure 17).
- Visually confirm both calf heater panels are at equal height before continuing.
- Connect its heater and LED cables to the outlets on Wall B, then secure it through its pre-drilled holes with the bench screws (Screw C), using the power drill.

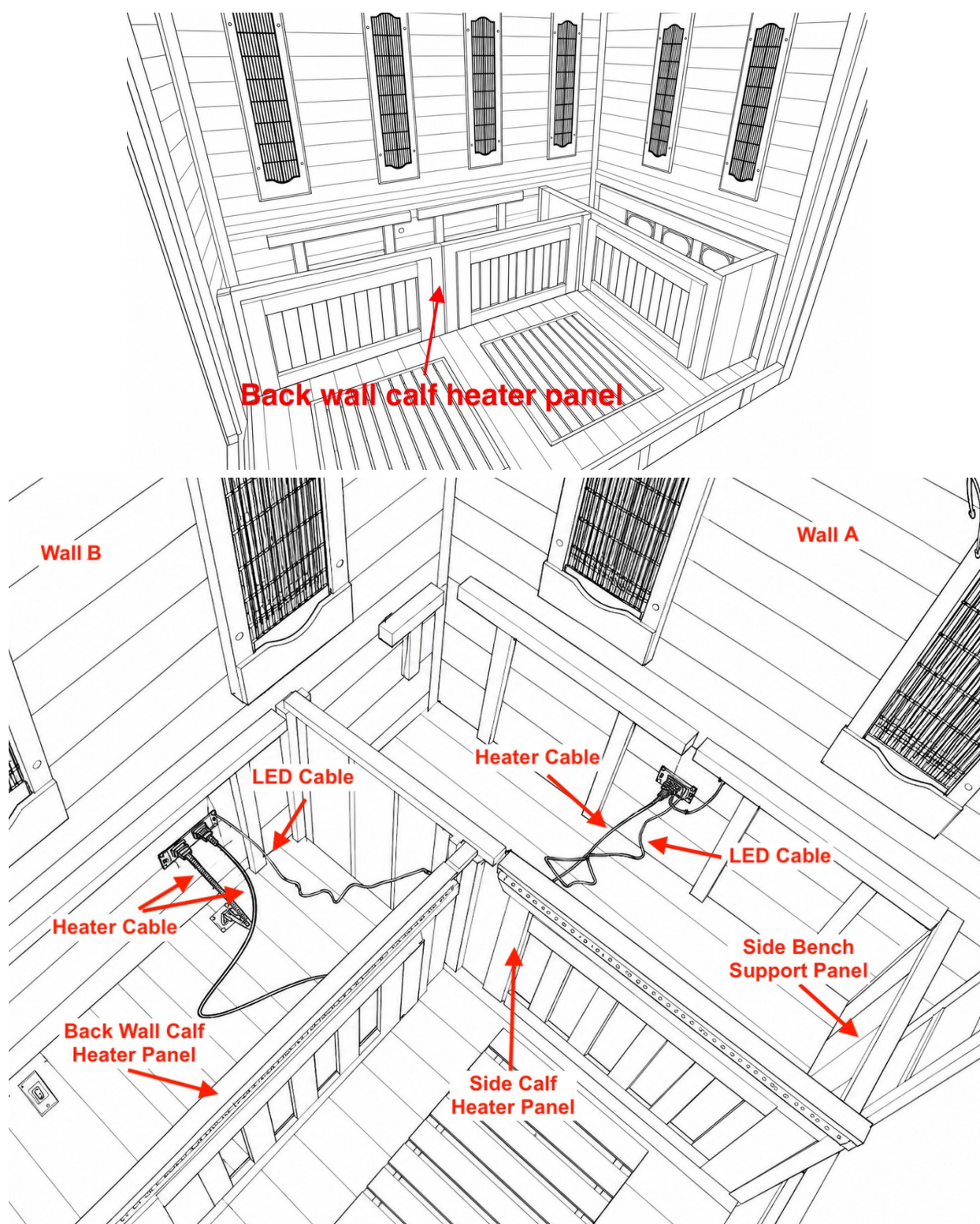


Figure 17. Back wall calf heater panel along Wall B (top) and calf panel cabling (bottom).

CHECKPOINT

Both calf heater panels are at equal height, secured, and plugged in, and the side bench support panel is flush to both walls.

STEP 12 • Install the Bench Seats and Backrests

- Confirm the power cord is not connected to the outlet before you make any connection.

Bench Seats

- Place the rear bench seat against Wall B (Figure 18). The back of the bench is open and sits flush to the wall; lower the front toward you, as if closing a lid, until it rests on the calf heater panel.
- Place the side bench seat on the corner support panel, running along Wall A. The two seats should meet cleanly at the corner.
- Confirm both seats are level and stable, and adjust as needed before screwing down.
- Screw each seat down vertically through the pre-drilled holes at each end with the bench screws (Screw C), using the power drill.
- Press down on each seat and confirm there is no rocking, flex, or movement, and that neither seat covers or obstructs a calf heater face.

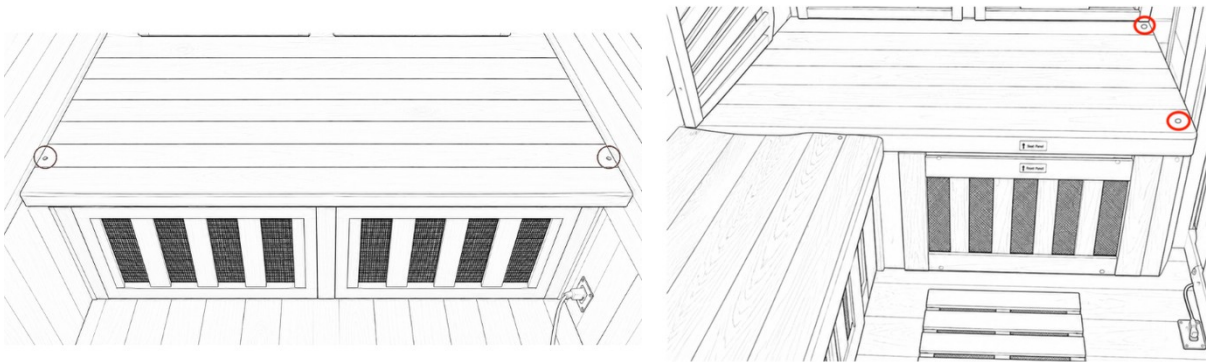


Figure 18. Rear bench seat lowered onto Wall B (left) and side bench seat along Wall A (right).

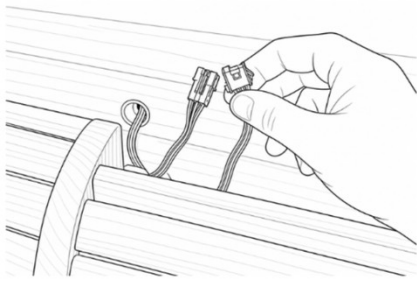
Backrests

NOTE

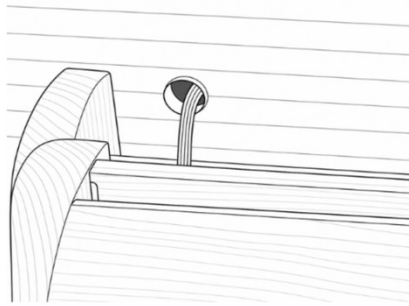
Two of the six backrests are larger than the other four. Install the four smaller backrests on the Back Wall (B) and the two larger backrests on the Side Wall (A).

- Connect each backrest's electrical plug to its matching wall connector, then feed the excess cable back through the wall opening.
- Tuck the connected cable and its excess length into the wall opening before placing the backrest flush against the wall.
- Drive the backrest screws (Screw D) with the power drill through the backrest's four pre-drilled holes, two upper and two lower, directly into the wall (Figure 19). The backrests are pre-drilled; the walls are not.
- **Tighten the backrest screws slowly and carefully so the screw holes do not strip out.**
- Repeat for all 6 backrests, then press each one firmly to confirm it is level, secure, and does not move.

Connect the wiring



Tuck the cable



Secure four locations

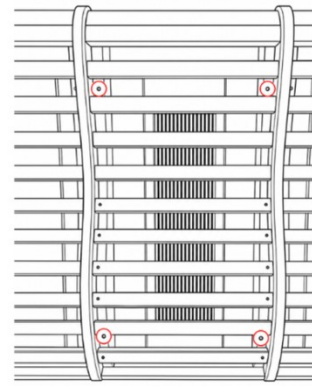


Figure 19. Backrest mounting: plug in, tuck the cable, secure at four points.

CHECKPOINT

Both seats are screwed down and solid, every backrest is plugged in and secured with four screws, and no cable is pinched behind a backrest.

STEP 13 • Install the Oxygen Ionizer

- Confirm the power cord is not connected to the outlet before you make any connection.
- Locate the pre-installed power wire extending from the ceiling near the upper corner where Wall A meets Wall B.
- Optional: open the circular compartment on the back of the ionizer, insert the included air freshener packet, and replace the cover.
- Remove the sticker backings on the rear of the ionizer and press it to the ceiling to mark its alignment (Figure 20). The stickers are for positioning only and will not permanently hold the unit.
- Drive the two ionizer screws (Screw A) through the designated holes with the Phillips head screwdriver to secure the ionizer.
- Plug the ionizer into the ceiling wire.

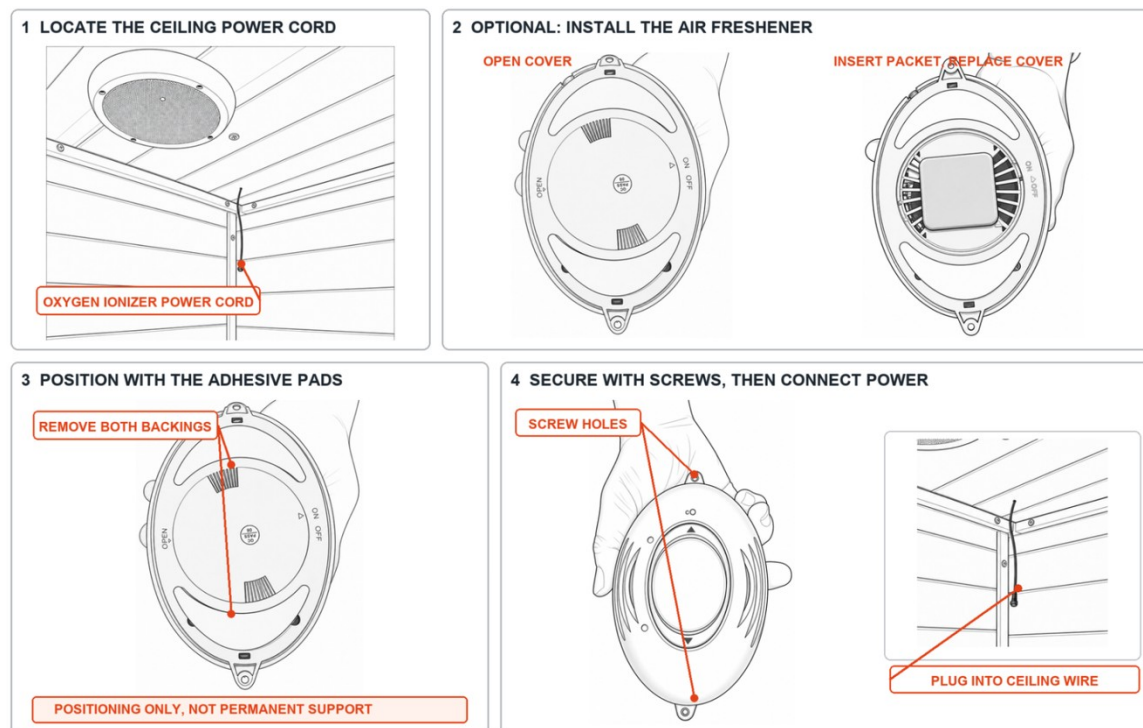


Figure 20. Ionizer installation: ceiling cord, air freshener packet, adhesive positioning, screws, then power.

CHECKPOINT

The ionizer is screwed to the ceiling at the A/B corner and plugged into its ceiling wire.

PHASE 5 • TEST, ROOF, AND TRIM • STEPS 14 TO 16

STEP 14 • Function Test

Test every system now, while the ceiling connections are still accessible. Once the roof is installed, access to the heater cables is limited. This is the only step in which the sauna is powered before installation is complete.

- Confirm no one is inside the sauna and nothing is resting on or against a heater.
- Plug the NEMA L6-30P plug into the dedicated GFCI-protected NEMA L6-30R outlet and twist to lock. Switch the breaker on.
- Power on the main control panel and verify the display lights and responds (Figure 21).
- Press the Heater button and verify it turns red, which indicates the heaters are on.
- Confirm every heater begins to warm within a few minutes: the ten full-spectrum heaters, four on the Glass Wall (C), four on the Back Wall (B), and two on the Side Wall (A); the two far-infrared floor elements under the grates; and both calf heater panels.
- Press the light button and confirm the chromotherapy ceiling lighting responds. Use the ambient lighting remote to confirm the LED strips in the backrests and benches respond.
- Confirm the ionizer runs.

- If any heater does not activate, check the cable connection nearest that heater. Then inspect the black heater cables on top of the ceiling panel and confirm each one is fully seated.
- Power down at the control panel, switch off the breaker, and unplug the sauna before continuing.



Figure 21. Main control panel.

⚠ CAUTION • HOT SURFACES

Heater surfaces and the calf heater panels become hot during the test and can burn skin. Keep towels, clothing, and packaging away from the heaters, and never drape towels or clothing over a heater to dry.

⚠ WARNING • BEFORE YOU TROUBLESHOOT

Power down at the control panel, switch off the breaker, and unplug the sauna before you correct any connection. Correcting a connection while the sauna is energized can cause electric shock. If the full-spectrum heaters on the Glass Wall (C) do not light but the other wall heaters do, reverse the orientation of the floor harness connector to Wall C at the corner where Wall A meets Wall C, then repeat the Function Test. See Section 07, Assembly Troubleshooting, and resolve every fault before installing the roof.

STEP 15 • Install the Roof

TEAM BUILD

Two people are required to lift the roof. Verify all heaters operate before installing the roof, and power down and unplug the sauna before you begin.

- Locate wire #4 from the ceiling panel and confirm it is hanging freely through the opening in the ceiling area.
- Route the main power cord out through the notch at the Back Wall (B) now, before the roof goes on, so it hangs clear and cannot be pinched under the roof.

- Before lifting the roof, orient it so its wire #4 aligns with the ceiling panel wire #4 and its power cord opening faces the Back Wall (B).
- With two people, carefully lift and slide the roof panel onto the top of the sauna (Figure 22).
- Once the roof is balanced, slightly lift the side with wire #4 and connect the two wire #4 leads.
- Gently lower the roof into its final position, centered so the eave overhangs evenly on all sides.

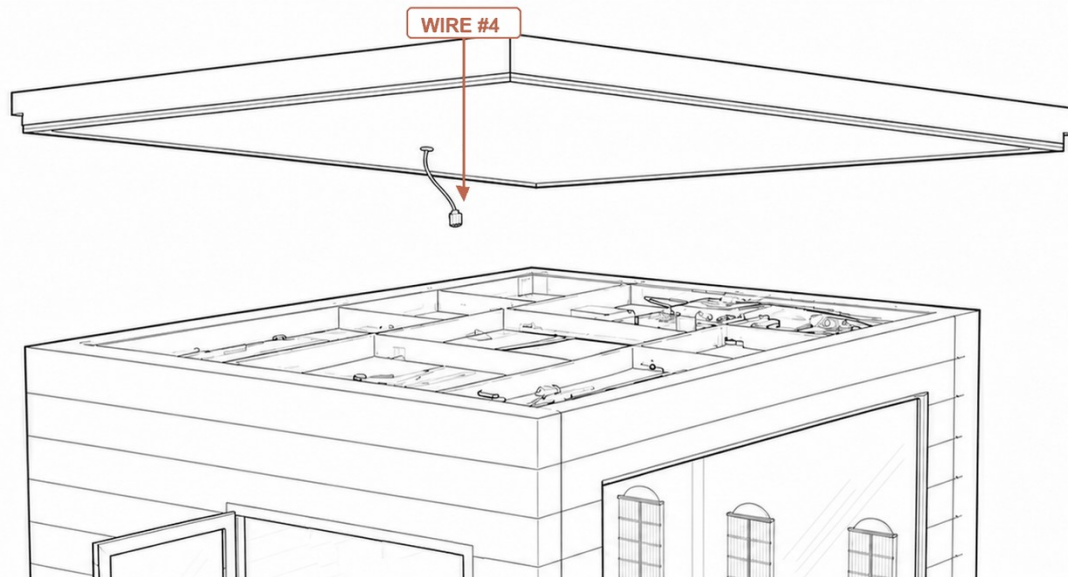


Figure 22. Roof panel lowered into place with wire #4 connected at the eave.

CHECKPOINT

The roof sits level with an even overhang, wire #4 is connected, and the power cord exits at the back without being pinched.

STEP 16 • Install the Roof Trim

- Identify the five trim pieces (Figure 23): three full-length pieces for the front and sides, and two shorter pieces for the back, which leave room for the power cord. Each piece has two rows of pre-drilled holes: a horizontal row that fastens to the aluminum sauna body, and a vertical row that fastens to the wooden planks under the sauna eave.
- Hold each trim piece in place under the eave and align the vertical row of holes against the wooden planks. Secure with the trim wood screws (Screw E), using the power drill.
- Align the horizontal row of holes against the aluminum sauna body and secure with the roof screws (Screw F) into the aluminum, using the power drill.
- Repeat for all five trim pieces, with the two short pieces on the Back Wall (B) on either side of the power cord.

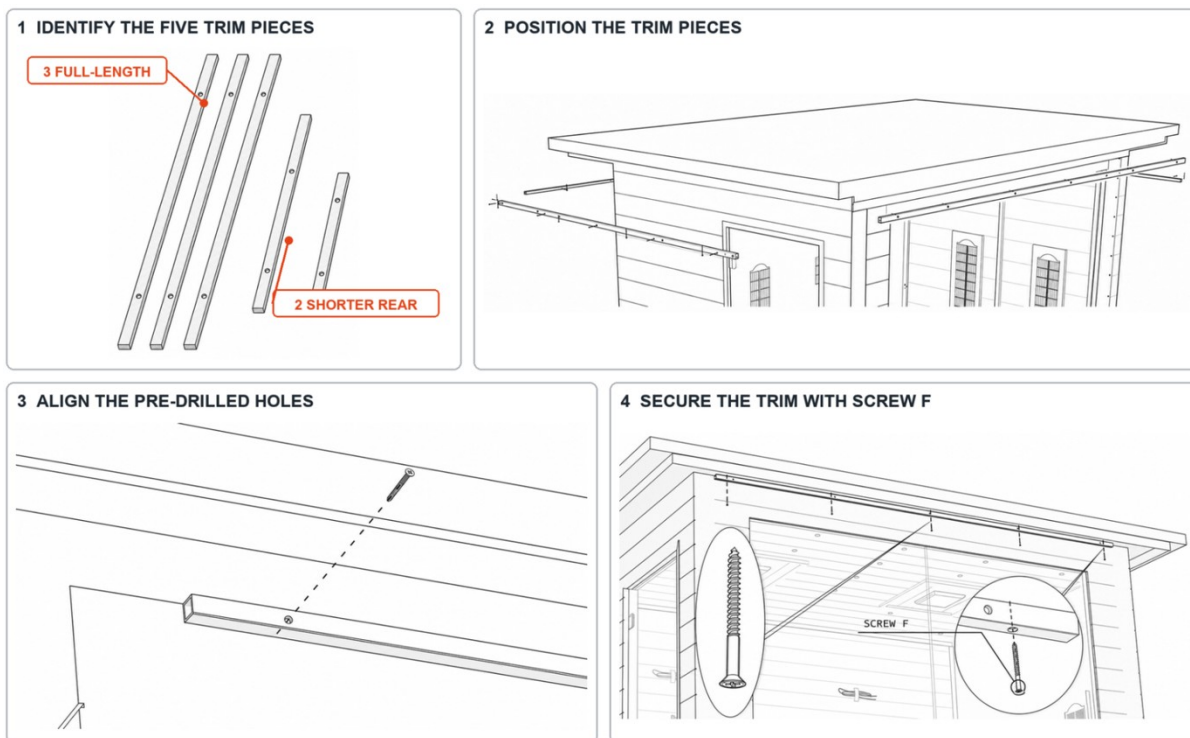


Figure 23. Roof trim: five pieces, wood screws in the vertical row, aluminum screws in the horizontal row.

CHECKPOINT

All five trim pieces are tight to the body and the eave, and the power cord passes freely between the two short back pieces.

PHASE 6 • FINISH • STEPS 17 TO 18

STEP 17 • Fit the Screw Covers and Accessories

Screw Covers and Accessories

- Put an optional screw cover over each pre-drilled hole throughout the sauna interior.
- Choose a mounting location for each accessory (Figure 24: cup holders, magazine holder, towel rack, and tablet holder) on an interior wood surface with solid backing, clear of wiring, lighting, controls, heater components, the door, and vents. Accessories must not interfere with normal movement in the sauna.
- Orient the accessory for normal use and hold it level.
- Secure the accessory by driving its supplied screws directly into the wood with the Phillips head screwdriver; pilot holes are not necessary. Tighten evenly without over-tightening, and confirm it is level and firmly attached. Never use an accessory as a grab bar or body support.

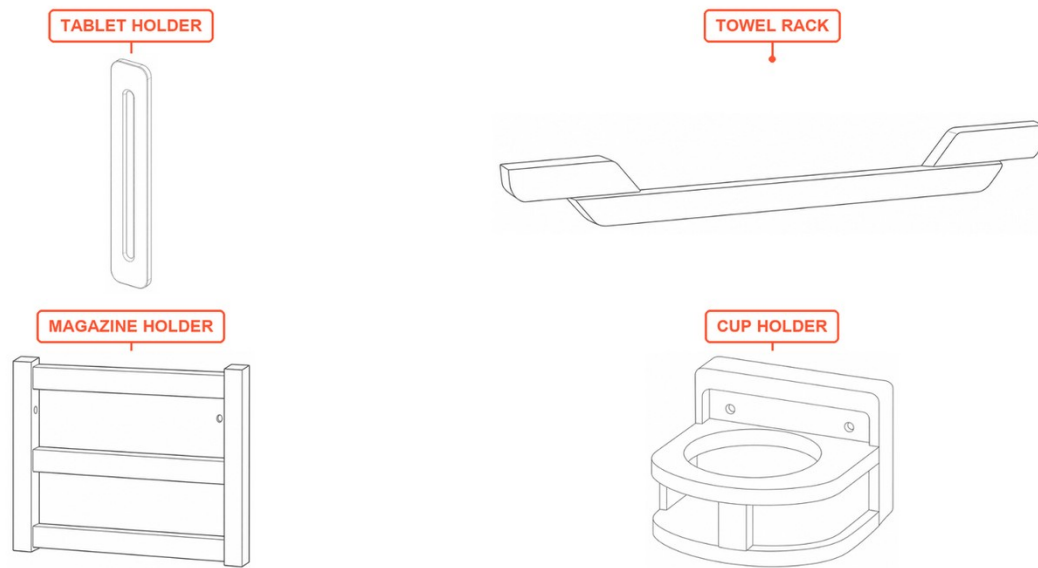


Figure 24. Accessories: tablet holder, towel rack, magazine holder, cup holder.

CHECKPOINT

Each accessory is level, secure, and firmly attached, and any screw covers you chose to fit are pressed fully in place.

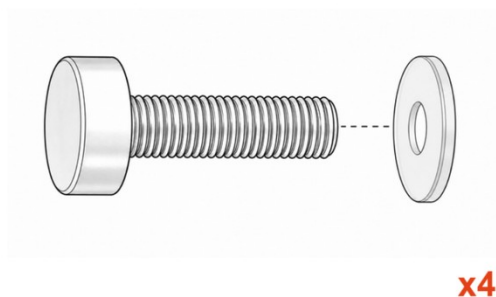
STEP 18 • Install the Red Light Therapy Panel (Optional)

NOTE

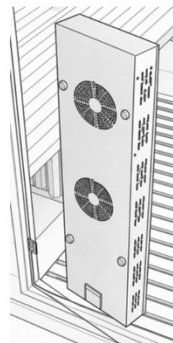
This step applies only if you purchased the Red Light Therapy (RLT) add-on. If you did not, fill the four holes in the glass door with the four shorter filler bolts (Bolt B) now.

- Confirm the power cord is not connected to the outlet before you begin. You will plug the sauna in only for the lighting check at the end of this step.
- Identify the four RLT mounting bolts with silicone washers. Confirm each bolt has its washer before inserting it into the glass.
- With a helper holding the panel in place on the inside of the glass door, pass each bolt through the door glass into the threaded holes on the back of the panel and tighten until snug (Figure 25). Do not over-tighten against the glass.
- Plug the RLT power cord into the floor outlet labeled "RED LIGHT ADD-ON ONLY," located beside the door.
- Plug the sauna back in, switch on the panel from its side controls to confirm it lights, then power down and unplug. The panel's controls select red or near-infrared light and the session time.

1 VERIFY BOLTS + SILICONE WASHERS



2 MOUNT THROUGH THE GLASS DOOR



3 CONNECT POWER LEFT OF THE DOOR

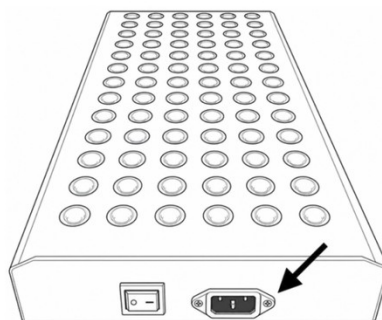


Figure 25. Red Light Therapy Panel: verify washers, mount through the door glass, connect power beside the door.

CHECKPOINT

The panel is secured with four bolts and washers, its cord is plugged into the outlet marked for the add-on, and it lights when switched on.

★ INSTALLATION COMPLETE ★

Before your first session, please read the Luminar Owner's Manual for operating instructions, heat-up guidance, safety information, and care recommendations.

Assembly Troubleshooting

Power down at the control panel, switch off the breaker, and unplug the sauna before any corrective action in this table.

ISSUE	LIKELY CAUSE	WHAT TO DO
A wall will not sit flush, or a gap at the floor exceeds 1/8 in	The panel is not fully seated against the floor edge or its neighbor	Partially unscrew the panel, have one person push from the exterior to seat it, and retighten while a second person stabilizes from inside.
The full-spectrum heaters on the Glass Wall do not light, but the wall heaters do	The floor harness connector to Wall C is reversed	Power off and unplug. Reverse the orientation of the floor harness connector at the corner where Wall A meets Wall C, then repeat the Function Test.
One heater does not warm	Its cord is not fully seated, or a numbered ceiling connector is loose	Power off and unplug. Check the cable connection nearest that heater, then inspect the black heater cables on top of the ceiling panel and confirm each is fully seated.
Bench or backrest LEDs do not light, or the ceiling LEDs behave erratically	A bench LED wire is connected into the ceiling LED chain	Power off and unplug. Move the bench LED connector to its labeled bench LED counterpart and leave the open end of the ceiling chain unconnected.
The control panel does not power on	The plug is not locked into the outlet, the breaker or GFCI has tripped, or the outlet type is wrong	Confirm the NEMA L6-30P plug is twisted into a NEMA L6-30R outlet on a dedicated 240V, 30A circuit, reset the GFCI, and check the breaker.
The door does not latch, or it drags	The walls are not square, or the latch cover plates are not level	Re-square the walls against the Floor Panel perimeter. Loosen the interior knob screws, level both latch cover plates, and retighten.
The roof LED does not light	Wire #4 is not connected	Power off and unplug. Lift the edge of the roof slightly and connect the two wire #4 leads.
Water appears inside at a corner after rain	A corner seam is not sealed over its full height	Re-caulk the exterior seam over its full height, tool it smooth, and allow it to cure before the next session.

If a condition persists, stop assembly and contact us. Photos of the affected area speed up every support conversation.

Final Checklist and Support

Final Inspection

- ☐ All four corners are joined with 5 screws each and sealed with caulk over their full height.
- ☐ The door opens and closes freely, latches, and both knob cover plates are level.
- ☐ Every heater warmed during the Function Test: all ten full-spectrum heaters on Walls A, B, and C, the far-infrared floor elements, and both calf heater panels.
- ☐ Both bench seats are screwed down, and all 6 backrests are secured with four screws each and plugged in.
- ☐ The ceiling connections are complete, wire #4 is connected, and the roof and all five trim pieces are secured.
- ☐ The power cord strain relief is zip-tied around the cord and anchored to a ceiling brace.
- ☐ The ionizer is mounted and plugged in, and the chromotherapy and ambient lighting respond to the controls.
- ☐ The power cord runs directly to the dedicated NEMA L6-30R outlet with the plug twist-locked and no extension cord.
- ☐ The four door holes carry either the Red Light Therapy Panel or the four Bolt B filler bolts.
- ☐ No hardware remains except the spare screws and any unused screw covers. Keep them.
- ☐ This manual is stored where you can find it.

What's Next

Your Luminar 5 is installed. Before your first session, read the Luminar Owner's Manual for operating instructions, recommended session temperatures, heat-up times, and care and maintenance guidance. The Owner's Manual is included with your sauna and available at SunHomeSaunas.com.

NEED SUPPORT?

Our team is happy to help with any part of your installation.

Call: 1-844-728-6200 **Email:** info@sunhomesaunas.com **Web:** [sunhomesaunas.com](https://SunHomeSaunas.com)