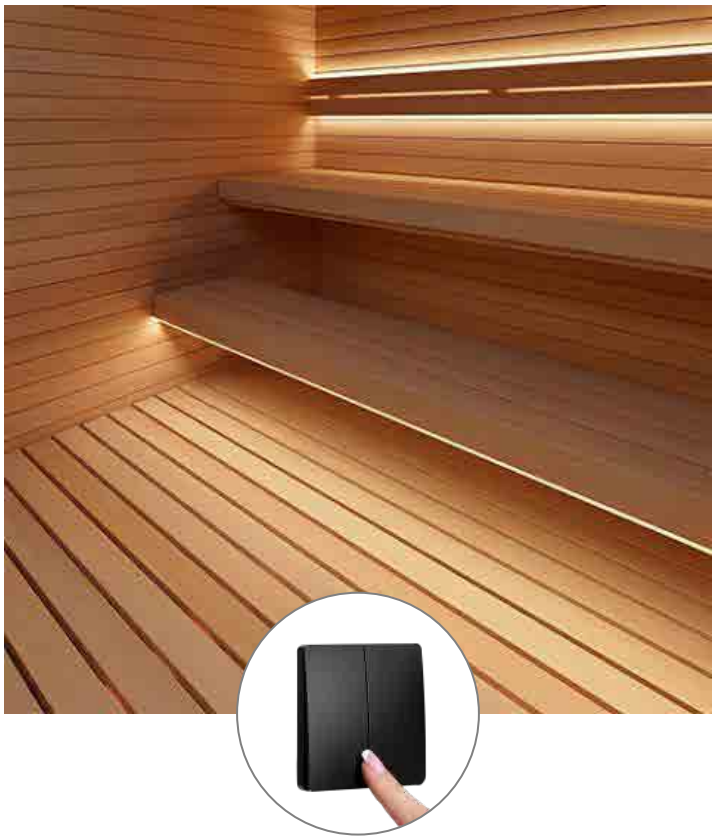
Dimming Sauna Light Kit



Dimmable - Flexible Led Strips / 2 - Zone

Installation & Operation Guide

REV - 1.0_08/2026

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SAFETY INFORMATION & WARNINGS

READ THIS ENTIRE MANUAL BEFORE INSTALLATION

Improper installation or use may result in equipment damage.

- **Qualified Personnel Only:** Installation of this lighting system must be performed by a licensed electrician in accordance with all national and local electrical codes.
- **Equipment Protection:** The LED driver and power supply must be installed in a dry, protected location that is completely protected from rain, condensation, and inclement weather.
- **Temperature Limitations:** Refer to the component temperature ratings listed on page 4. Do not install any component in locations where the ambient temperature exceeds the rated limits. Installation beyond temperature specifications will lead to product failure and void warranty.
- **LED Clearance From Sauna Heater:** Maintain adequate clearance between all LED lighting and the sauna heater. Do not install lights directly above the heater or within 20 inches of the heater's sides.
- **Control Placement:** If installing the control inside the sauna, the Control must not exceed 135°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 remains coiled on the spool. The strip must be fully uncoiled before applying power to prevent overheating and damage.
- **Avoid Physical Damage:** Do not fold, sharply bend, or twist the LED light as this may damage the LEDs and lead to failure. Refer to the "LED Handling Guidelines" page 6.

Electrical Requirements

Always disconnect power at the circuit breaker before performing installation, servicing, or maintenance



- **Power Source:** This lighting system requires a 120VAC power outlet.
- **Qualified Electrician:** All wiring must be performed by a qualified electrician who can determine the correct circuit type, proper box configuration, and wiring.
- **Electrical Safety:** Using incorrect voltage or improper electrical connections can damage system components and void warranty.

PACKAGE CONTENTS

Image	Description	Quantity		
		130462	130461	130463
	2 Zone Dimming Control	1	1	1
	RF Driver / Receiver	2	2	2
	LED Light	2 x 10ft	2 x 16ft	4 x 10ft
	Power Supply	1 x 120 Watt	1 x 120 Watt	1 x 160 Watt
	AC Power Cable	1	1	1
	2-Pin 4-Way Splitter	1	1	1
	30’ Light Cable	2	2	4
	2-Way DC Splitter Cable	1	1	1
	Silicone, Mounting Clip, Screws	Silicone - x 2 Mounting Clip - x 20 Screw - x 20	Silicone - x 2 Mounting Clip - x 20 Screw - x 20	Silicone - x 4 Mounting Clip - x 40 Screw - x 20

SPECIFICATIONS

Driver/Receiver

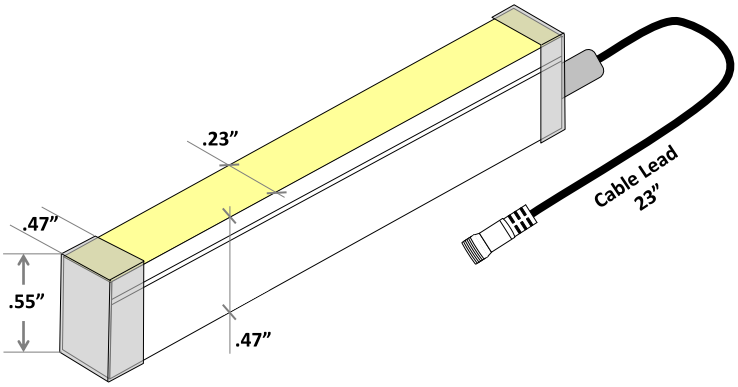
Operating Voltage: 24VDC
Rated DC Current: 9A
Output Voltage: 24 VDC
Max Output Power: 200W
Operating Temp: -4°F - 135°F
Dimensions: 3.75”L x 1.72”W x 1.21”H
Light Capacity: 40 Linear Feet
IP Rating: IP20
Certifications: CE, EMC

White Led		
Operating Temp: -13°F to 200°F	Max Run: 40 Linear Feet Per Zone	IP Rating: IP67

Length	Operating Voltage (VDC)	Wattage	Lumens	Kelvin Temperature	Certification
10FT	24 VDC	30W	990	3500K	ETL / SGS
16FT	24 VDC	48W	1,584	3500K	ETL / SGS

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: 100 Feet (Unobstructed)
Dimensions: 3.38”L x 3.38”W x .65”H
Operating Temp: 14°F - 135°F
Zones: 2 Zones Single Color
IP Rating: IP67
Certifications: CE

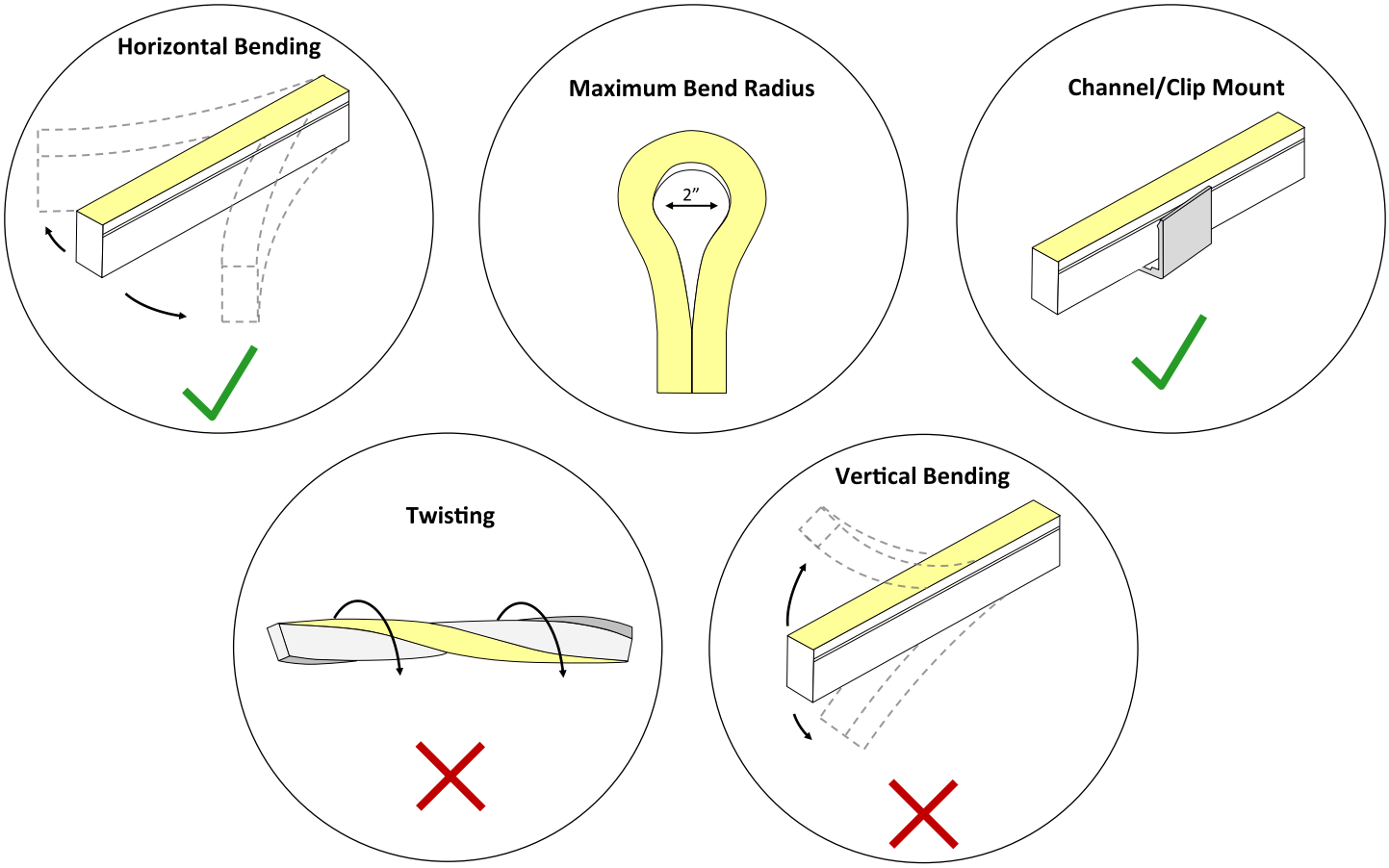


Power Supply

	120 Watt	160 Watt
Input Voltage:	120 VAC	120 VAC
Output Voltage:	24 VDC	24 VDC
Rated Power:	120W	160W
AC Current:	1.4A	1.85A
DC Current:	5A	6.67A
Operating Temp:	-22°F - 158°F	-22°F - 158°F
IP Rating:	IP20	IP20
Certifications:	UL, CE, FCC	UL, CE, FCC

LED HANDLING

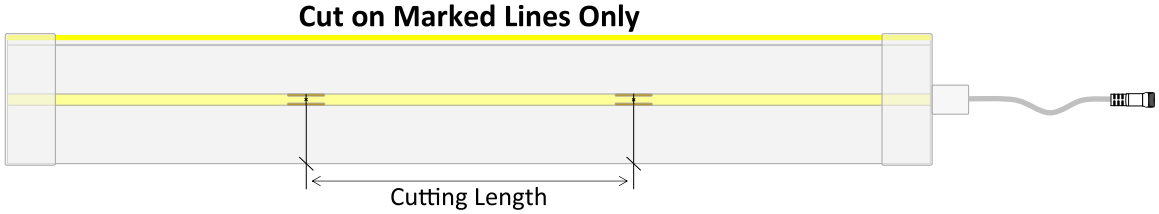
HANDLE LED LIGHT WITH CARE!



Cutting Flexible LED Neon

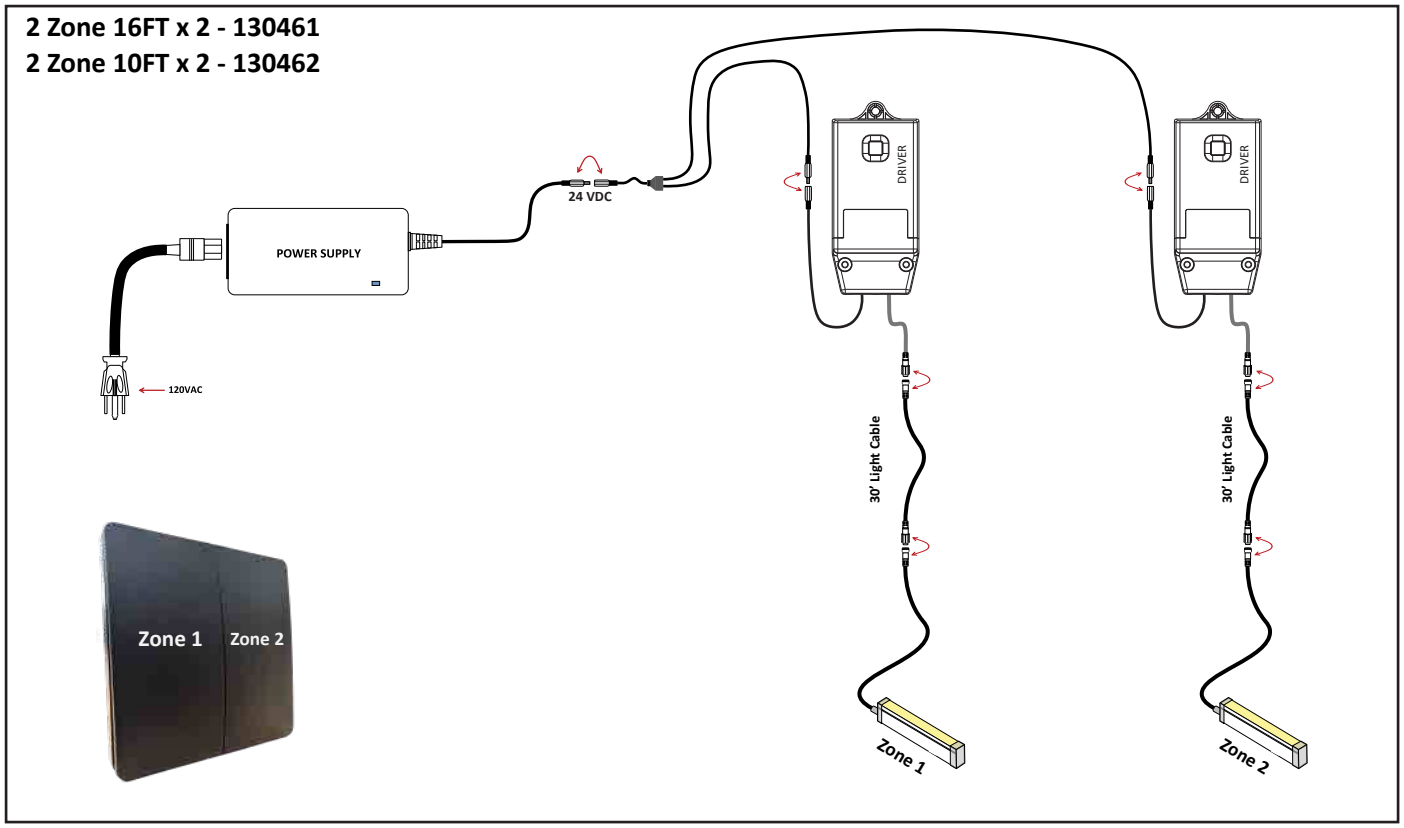
Flexible LED Neon can be cut to length if required for your installation.

1. Measure and determine the exact length of LED needed for the installation location.
2. Using sharp scissors or cutters, cut the LED Neon at the closest designated cut point, cut points are every 1.97” (see diagram below).
3. Important: Cut only on the marked cut lines. Discard the unused cut off section.
4. Apply silicone sealant to the cut end and install new end cap.

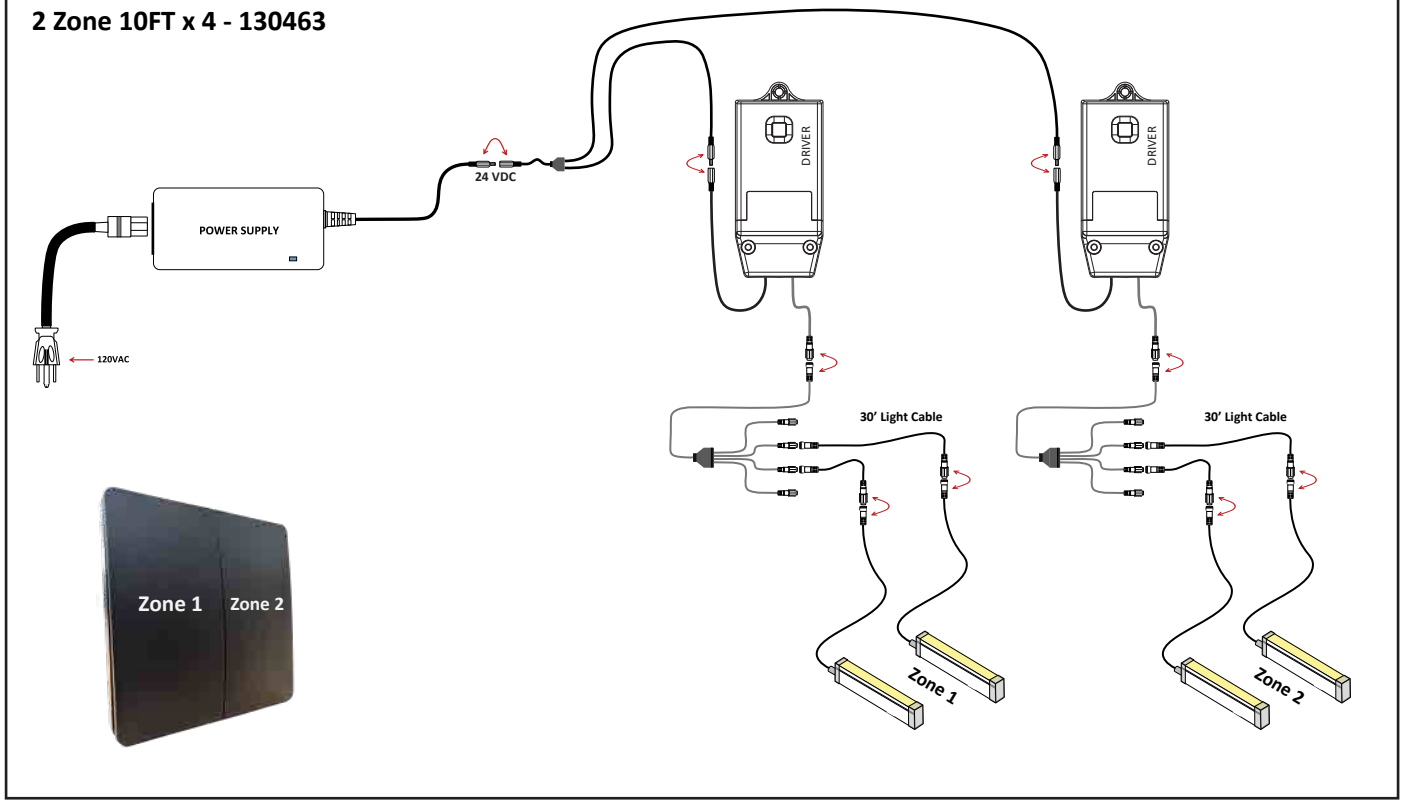


CONNECTION DIAGRAM

2 Zone 16FT x 2 - 130461
2 Zone 10FT x 2 - 130462



2 Zone 10FT x 4 - 130463



INSTALLATION

STEP 1. Mounting Driver:

- **Location:** Choose a dry and easily accessible location for mounting the RF driver/receiver.
- **Mounting:** Secure each driver/receiver to the mounting surface using one screw.



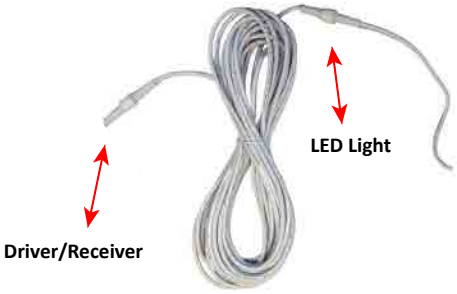
Important Considerations:

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:

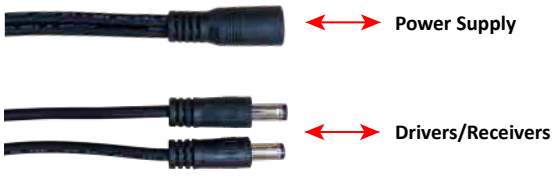
- Enclose the driver/receiver and power supply in a weatherproof enclosure for complete protection from the elements.



STEP 2. Run Light Cable

- Run one light cable from each driver/receiver to the location of each LED light.
- Connect one end of each light cable to the pigtail lead on the driver/receiver.

  Note: For zones with multiple lights, connect the 2-pin splitter cable to the driver pigtail first then each light cable to the splitter cable.
- Connect the other end of the light cable to the pigtail lead on each LED light fixture.
- Repeat these steps for each additional light.



STEP 4. Connect Power Supply

- Locate the power supply in a dry, accessible area.
- Plug the DC input lead from the power supply into the single In lead on the DC 2-way splitter cable.
- Plug each Out lead from the splitter cable into each driver/receiver.



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

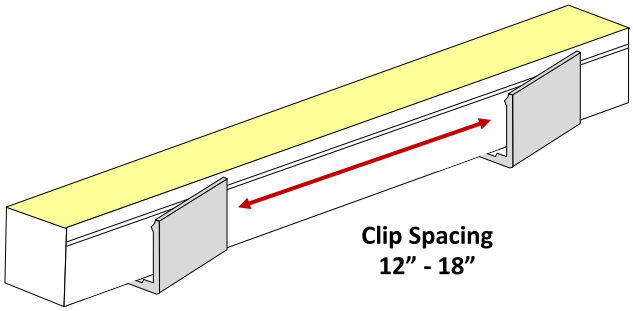
- Using the provided screws, attach the mounting clips to the mounting surface. Clips are provided with one screw each.
- If using your own screws, you will need a minimum size #4 x 5/8” screw to mount the clips.
- It is recommended that clips be mounted every 12" to 18" to support the LED light.
- Gently 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.

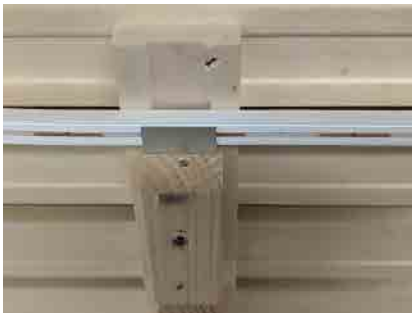
Important:

- The LED light should not be installed above or within 20” of the 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 the location where the control will be installed. Follow the steps below to mount the control on a wall surface.

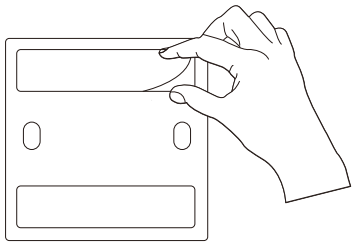
Alternatively, the control may be used as a handheld device instead of being wall mounted.

The control operates using kinetic energy and does not require batteries. Each time the control is pressed, it generates enough power to transmit a wireless signal to the driver/receiver.

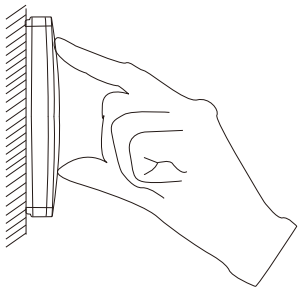
Important Notes:

- If installing the control inside the sauna, it is recommended to mount it near the door and/or on the wall opposite the sauna heater.
- Do not install the control higher than 30” above the finished sauna floor, or in any location where the control’s maximum operating temperature may be exceeded.
- Always measure the temperature at the intended installation location before installing the control and ensure it does not exceed the control’s maximum rated operating temperature.

Option 1: Wall Mount Using Adhesive

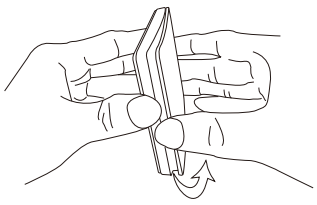


Apply provided double sided adhesive tape.

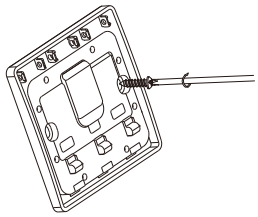


Align control and press onto surface. Hold for a few seconds to ensure tape holds.

Option 2: Wall Mount Using Screws



Carefully open control.



Install on wall using wood screws.

STARTUP & TESTING

Control Operation

Refer to the image below for control operating instructions. When installing the control, verify that the maximum operating temperature rating of the control is not exceeded.

- Do not install the control within 3 ft of sauna heater.
- Do not install the control higher than 30” above the finished sauna floor.



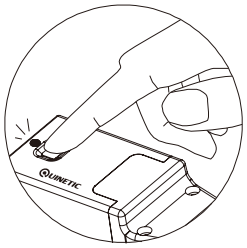
Press each zone button once to turn ON / OFF

Press and hold each zone button to Dim / Brighten

Driver & Control Programming

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

1. Press and hold the button on the driver for 3 seconds to enter programming mode. The indicator light will flash slowly.
2. On the control switch quickly press the desired zone button. The indicator light on the driver will return to rapid flashing, indicating successful pairing.
3. Repeat steps 1 and 2 for each driver/zone.



Press for 3 seconds
to enter program mode

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

WIFI SETUP

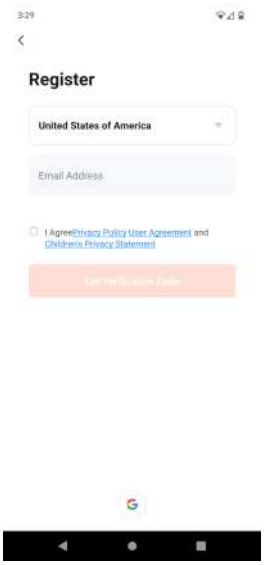
To set up Wi-Fi operation follow the steps below
Note: The driver supports the 802.11 b/g/n 2.4 GHz Wi-Fi standard. The Wi-Fi Driver will not connect to a 5 GHz network. Installation steps below are for reference and may change or differ between iOS and Android versions.

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



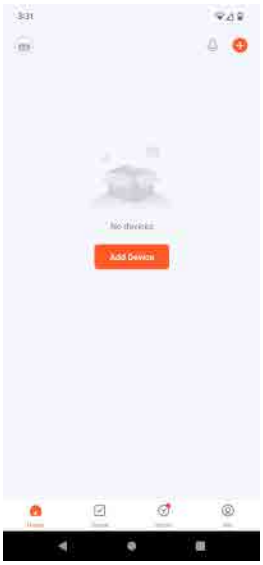
Step 3
Check email and enter verification code



Step 4
Create a password



Step 5
Main screen press *Add Device*



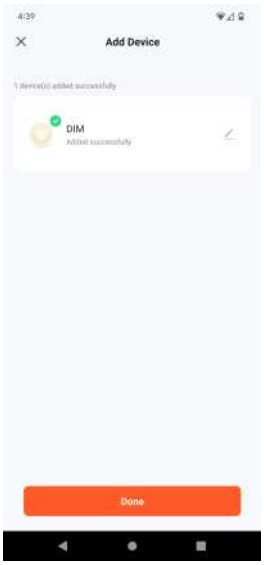
Step 6
Press *Add* next to Discovering Devices



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 is supplying the proper voltage.
- Check that all power connections are secure and correctly connected:
  - Power supply plugged into the electrical outlet
  - DC plug from the power supply connected to the driver

Power Present, but Lights Do Not Turn On

- Verify that the pigtail cable from the driver is securely connected and that the wiring is correct.
- Check that the 4-way light cable is securely connected.
- Ensure that all 30’ light cables to the lights are fully seated and connected.
- Test each light independently by connecting it directly to the driver.

Note: To test an individual light, disconnect the 4-way light cable and connect a single 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 11).

Lights on, no function from Control

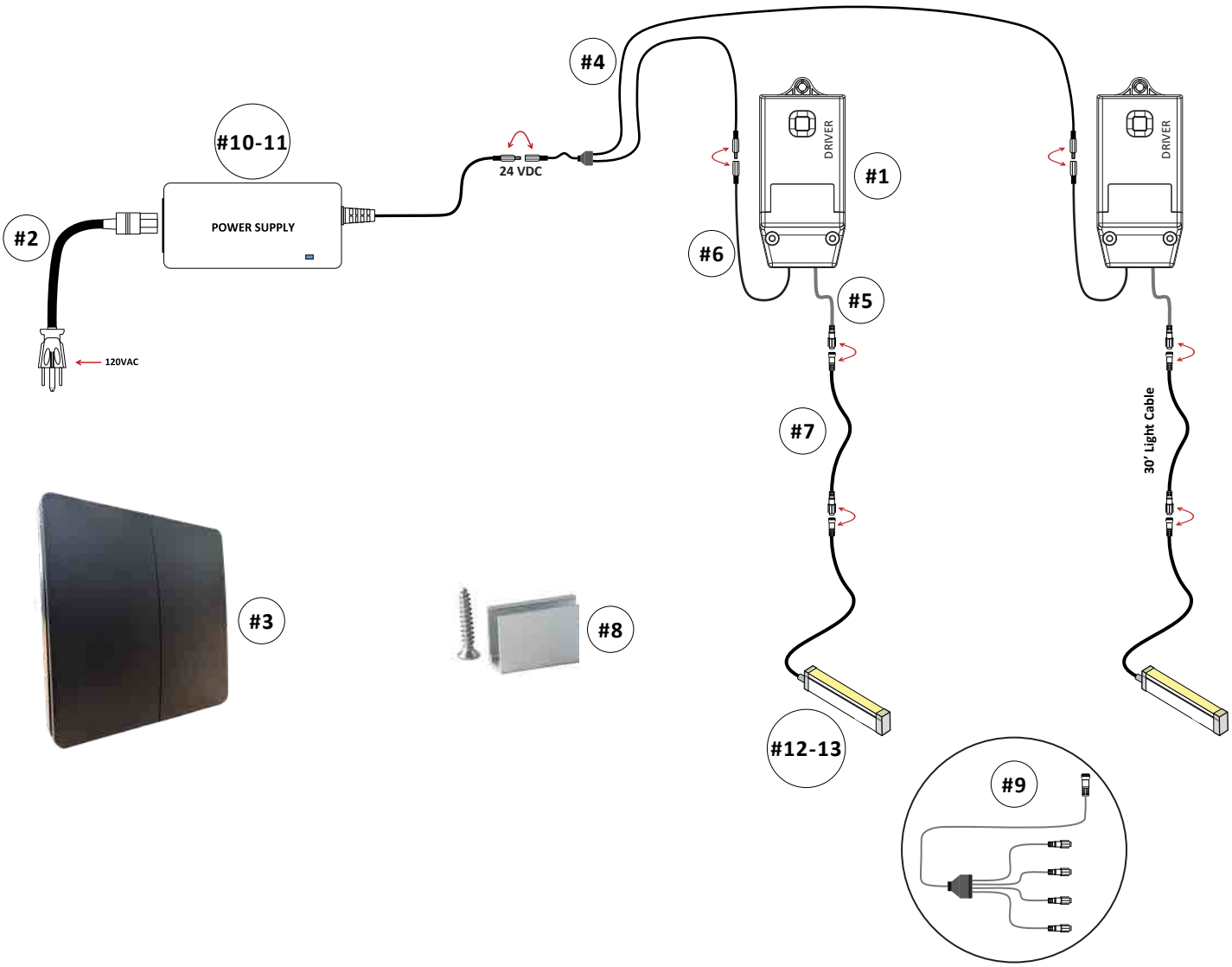
- Verify that Remote is paired with the Driver, (see page 11).
- Ensure that the distance from the Remote to the Driver is not more than 98 feet. If it is, relocate the Driver closer to the room.

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 repairing, (see page 11).

REPLACEMENT PARTS



	Description	Part Number
#1	Driver/Receiver	BP031198
#2	AC Power Cord	BP031132
#3	Control - 2 Zone	BP031217
#4	2-Way DC Splitter Cable	BP031114
#5	2-Pin Pigtail Cable	BP031073
#6	DC Pigtail Cable	BP031143
#7	30' 2-Pin Cable	BP031077
#8	Mounting Clip + Screw (bag of 10)	130028

	Description	Part Number
#9	2-Pin 4-Way Splitter	BP031075
#10	120W Power Supply	BP031135
#11	160W Power Supply	BP031145
#12	10' White LED Light	BP031172
#13	16' White LED Light	BP031173



Technical Support
(224) 253-5909

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