



**Model G2 / G4**  
**Led Lightbar System**



Sauna Led Lightbar System

**LED Lightbar Package Contents:**



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



**Power Supply**  
(qty. 1)



**Dimming Remote**  
(qty. 1)



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



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



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



**Adjustable Mounting Clips**  
(qty. 3)



**Stationary Mounting Clips**  
(qty. 3)



**White Led Light Bar**  
(qty. 1)

## Installation Recommendations

Please read this manual in its entirety prior to installation and keep it somewhere safe for future reference.

### IMPORTANT

The RF Driver and Power Supply may be installed outdoors but must be protected from rain and snow. RF Driver and Power Supply should be installed in a waterproof electrical enclosure.

### IMPORTANT

When installing the RF Driver and Power Supply inside the sauna, **maintain a minimum distance of 20" from heat source and a maximum height of 20" off floor or in path of fan.**

### IMPORTANT

If installed inside the sauna, the RF Control must not exceed 131°F. Control should be no more than 3' off the floor and away from heater. Test temperature reading of location before mounting.

### IMPORTANT

Consider light placement carefully. Each fixture should be placed to avoid direct contact with the bathers eyes.

### IMPORTANT

LED Light Bar max operating temperature is 195°F, installing LED light bar in location where temperature will exceed 195°F may cause light failure

## Electrical Requirements



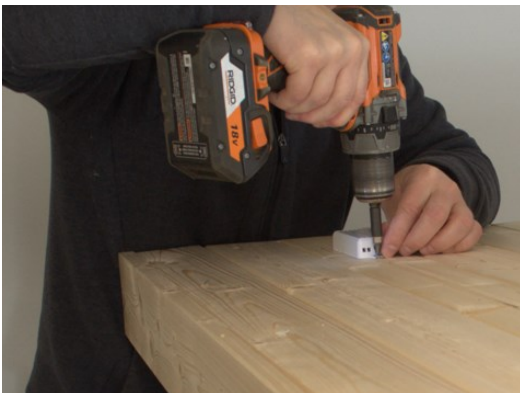
- A 120V AC electrical outlet is needed to power the lighting system.
- Your electrician will determine the type of electrical outlet, box, and piping to be used.
- All wiring must be done in accordance with national electric code and local building codes by a certified electrician.
- Improper voltage or connections will damage the components and void warranty.

## STEP 1.



### Mount RF Driver / Receiver

Using 2 screws mount RF driver to desired surface. Driver should be mounted in a dry accessible location for service.



## STEP 2.



### Connect 2-Pin 4-Way Cable

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



### STEP 3.



#### Run 2-Pin 30' Cable

Run 2-Pin 30' light cable from Driver to LED light bar. At Driver connect to one of the 4 leads on 2-Pin 4-Way cable

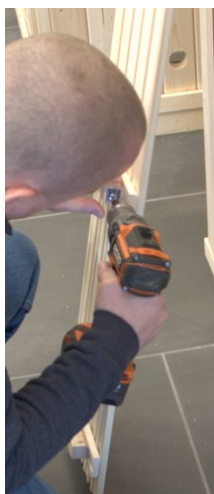


## STEP 4.



### Install Mounting Brackets & LED Light Bar

Determine the location where LED light will be installed. Screw Mounting Clips to surface ensuring even coverage of light fixture. Carefully snap LED light bar into each clip.



## STEP 5.



### Connect 2-Pin 30' Cable to Light Bar

Connect light cable end to lead off light bar.

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





## STEP 6.



### Install Power Supply

Connect AC power cord cable to power supply block. Place power supply near RF driver. Connect DC cable end from power supply and connect into RF driver DC IN port.



## STEP 7.



### Dimming Control Installation

RF Remote includes a wall mount holder for storing. Take holder and separate back mounting plate from holder. At mounting location screw mounting plate to surface. Slide holder from top down onto mounting the plate.



## STEP 8.



### Startup & Testing

- Verify that all connections are secure and complete before proceeding.
- Ensure DC-out end of Power Supply is plugged into DC-in of the Driver.
- Plug AC power cable from the Power Supply into a 120V AC electrical outlet.
- Verify that the Driver powers on. The indicator light will flash purple rapidly for approximately 20 seconds.

## STEP 9.

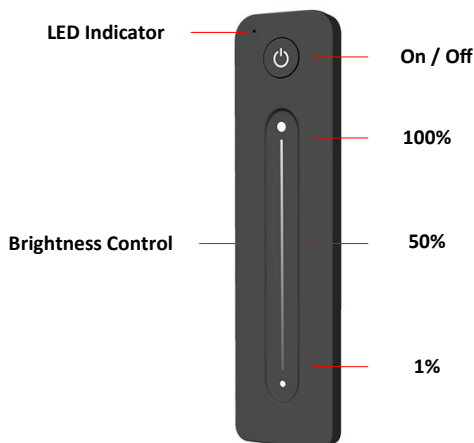
### RF Driver & Dimming Remote Programming

**Note:** RF Driver is preprogrammed. Follow steps below if programming is needed.

- 1) Press and hold the Match button until the Run Indicator light changes to white.  
**Note:** The Run indicator will turn off, then rapidly flash purple. White run indicator will be after Blue.
- 2) Release the Match button, then short press once to save programming.
- 3) Grab remote then on Driver press match button once then quickly press the power button on remote.

## Control Operation

Follow the steps below for control operation. After 30 seconds of inactivity the remote will enter sleep mode. To wake up the control, press any button.





## Wi-Fi Setup



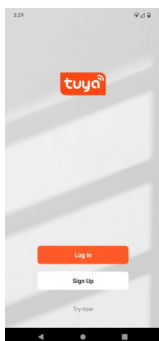
On IOS or Android download the Tuya Smart App

To set up Wi-Fi operation follow the steps below

**Note:** Wi-Fi Driver supports 802.11 b / g / n 2.4 GHz Wi-Fi standard. The Wi-Fi Driver

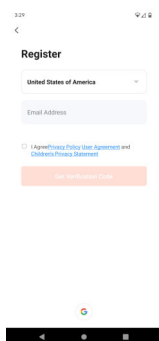
### Step 1

Open Tuya app and press Sign Up to create an account



### Step 2

Enter an email address to register an account



### Step 3

Check email and enter verification code



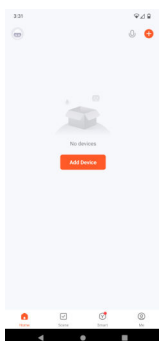
### Step 4

Create a password

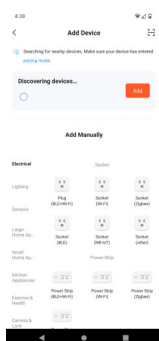


### Step 5

Main screen press Add Device



Press Add next to Discovering Devices



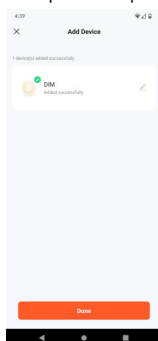
### Step 7

Select your Wi-Fi network



### Step 9

Device added successfully, press done to complete setup



# Specifications



## RF Driver/Receiver

|                    |                             |
|--------------------|-----------------------------|
| Operating Voltage: | 24V DC                      |
| Rated Out Current: | 5CH, 3A/CH                  |
| Output Voltage:    | 12-24V DC                   |
| Max Output Power:  | 5Ch X 72W                   |
| Operating Temp:    | -22°F - 131°F               |
| Dimensions:        | 4.48" L x 1.49" W x .78" H  |
| Light Capacity:    | 4 Lights / 20' (per Driver) |
| IP Rating:         | IP20                        |
| Certifications:    | CE, EMC, LVD, RED           |

## Power Supply

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

## RF Remote Single-Zone Dimming

|                    |                            |
|--------------------|----------------------------|
| Output Signal:     | RF (2.4GHz)                |
| Operating Voltage: | 3V DC (CR2032)             |
| Power Consumption: | 5mA                        |
| Dimming Range:     | 1% - 100%                  |
| Signal Distance:   | 98FT                       |
| Dimensions:        | 5.47" L x 1.41" W x .43" H |
| Operating Temp:    | -22°F - 131°F              |
| Zones:             | 1 Zone Single Color        |
| IP Rating:         | IP20                       |
| Certifications:    | CE, EMC, LVD, RED          |

## LED Light Bar Specifications

| LED Light Bar Specifications |                            |                                   |        |                                           |                                            |
|------------------------------|----------------------------|-----------------------------------|--------|-------------------------------------------|--------------------------------------------|
| Kelvin: 3500k                |                            | Operating Temp:<br>-13°F to 195°F |        | Max Run: 4 Light<br>Bars / 20 Linear Feet |                                            |
| IP Rating: IP67              |                            |                                   |        |                                           |                                            |
| Part Number                  | Operating<br>Voltage (VDC) | Max Wattage                       | Lumens | Dimensions<br>(with flush clips)          | Dimensions<br>(with adjusta-<br>ble clips) |
| G2<br>BP031086<br>LED White  | 24V DC                     | 14.27W                            | 1,571  | 3/4W x 9/16H x<br>60L                     | 3/4W x 1-1/4H x<br>60L                     |
| G4<br>BP031158<br>LED White  | 24V DC                     | 18.69W                            | 2,059  | 3/4W x 9/16H x<br>76L                     | 3/4W x 1-1/4H x<br>76L                     |



## Troubleshooting

### No Power

- Verify that the electrical outlet has voltage.
- Check that connections on Power Supply are securely connected.
- Check that the DC barrel plug on the Power Supply is securely connected.

### Power but light's not turning on

- Check that the Pigtail cable from the Driver is securely connected and that wiring is correct (see step #1).
- Check that 4-way light cable is secure and connected.
- Check that all 30' cables to lights are securely connected.
- Verify each light functions by testing them directly to the Driver independently.  
**Note:** To test individual light, disconnect 4-way light cable and connect 30' cable directly to Pigtail lead of Driver, or connect light directly Pigtail.
- Verify that RF Remote is paired with Driver, see page #7.

### Lights on with no function from Control

- Verify battery is inserted correctly.
- Low battery, replace with new battery.
- Check DC power cable from Driver to Control is securely connected.
- Ensure that the distance from the Remote to the Driver is not more than 98 feet. If so, relocate Driver closer to room.

### Resetting Driver

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

- Verify power to Driver
- Press and hold the Match button for 10-15 seconds until the blue LED indicator flashes rapidly.  
**Note:** Resetting Driver will clear any paired remotes and require repairing.

## Replacement Parts

| Description                  | Part Number |
|------------------------------|-------------|
| Driver                       | BP031108    |
| Power Supply/90W             | BP031137    |
| RF Control Single-Zone White | BP031111    |
| 4-Way IP67 2-PIN Splitter    | BP031075    |
| 2-PIN IP67 Pigtail           | BP031073    |
| 2-PIN IP67 30' Cable         | BP031077    |
| 60" White Light Bar          | BP031086    |
| 76" White Light Bar          | BP031158    |



**Notes:**

[illegible]



Technical Support  
(224) 253-5909