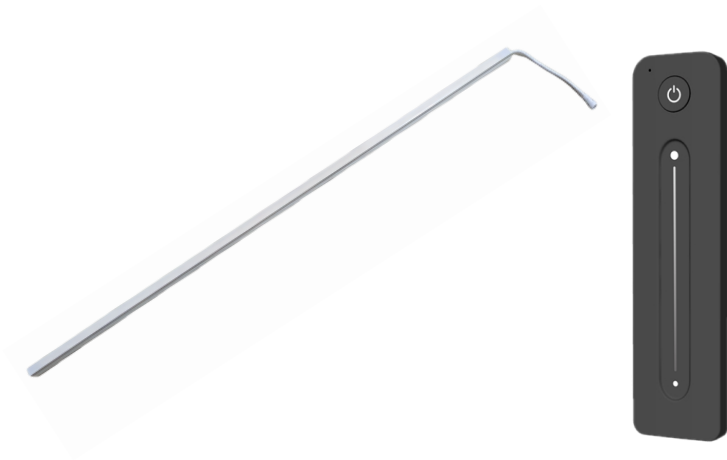




**Model E6 / E7 / E8**

**White Lightbar**



White LED Lightbar



## Installation Recommendations

Please read this manual in its entirety prior to installation and keep it accessible 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 of the floor or in the fan's path.

### 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 eyes of the bathers using the fixture.

### IMPORTANT

LED Light Bar max operating temperature is 195°F. Installing the LED light bar in a location where the 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 the warranty.



## System Components

### 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

### STEP 1.

Mount RF Driver/Receiver to surface using 2 screws.

**Note:** Do not install within 20" of sauna heater and a maximum of 20" off floor.



### STEP 2.

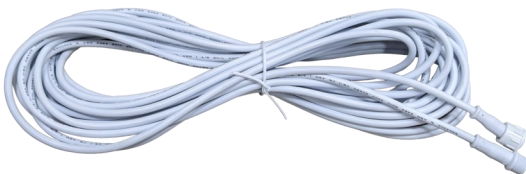
Locate 2-Pin 4-way cable and connect single end to 2-Pin Pigtail of Driver.



### STEP 3.

Run 30' light cable from Driver to LED light bar.

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



## Installation

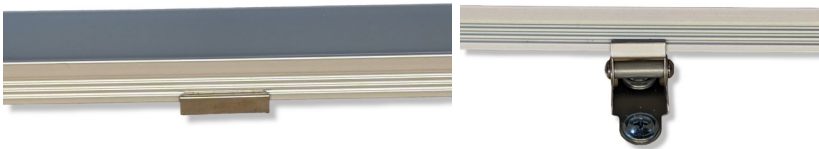
### STEP 4.

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

#### Adjustable



#### Stationary



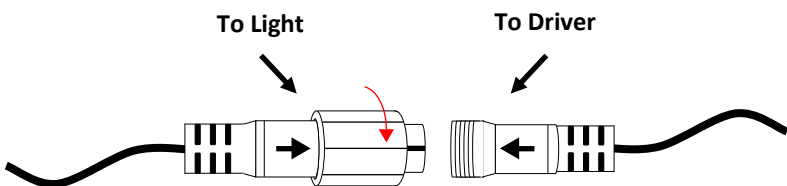
### STEP 5.

Connect the light cable end to the splitter cable that leads to the Driver.

Connect opposite end of the light cable to the Pigtail leading to the light bar.



**Note:** See below for cable connections



## Installation

### STEP 6.

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



**Caution:** Control and mount should not be installed higher than 3' or within 2' of heat source

**# 1**

Mounting Plate



**# 2**

Holder



**# 3**

Control on Holder



## Startup & Testing

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

## Driver & Remote Programming

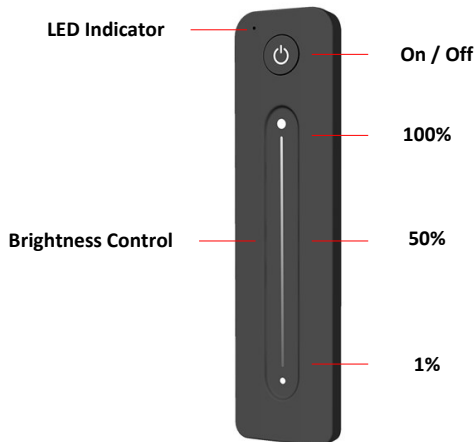
**Note:** The Driver is pre-programmed. Follow steps below if programming is needed.

- 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.

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

## 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 Continued

To set up Wi-Fi operation follow the steps below

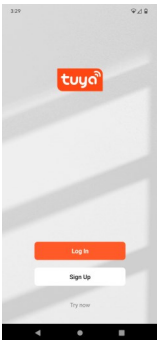
**Note:** Wi-Fi Driver supports 802.11 b / g / n 2.4 GHz Wi-Fi standard. The Wi-Fi Driver will not connect with 5 GHz network.



On IOS or Android  
download the  
Tuya Smart App

### Step 1

Open Tuya app  
and press Sign  
Up to create  
an account



### Step 2

Enter an email  
address to regis-  
ter an account



### Step 3

Check email and  
enter verification  
code



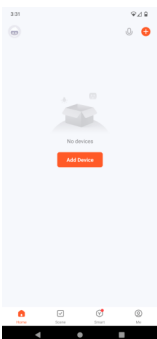
### Step 4

Create a  
password



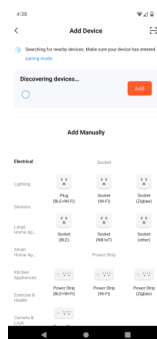
### Step 5

Main screen  
press Add Device



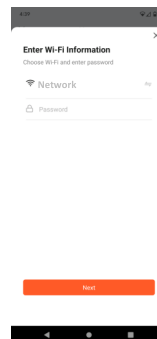
### Step 6

Press Add next to  
Discovering  
Devices



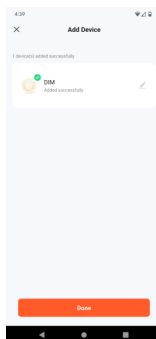
### Step 7

Select your  
Wi-Fi network



### Step 9

Device added success-  
fully, 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: 120VA C  
 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

### LED Light Bar Specifications

Kelvin: 3500k

Operating Temp:  
-13°F to 195°F

Max Run: 4 Light  
Bars / 20 Linear Feet

IP Rating: IP67

Part Number	Operating Voltage (VDC)	Max Wattage	Lumens	Dimensions (with flush clips)	Dimensions (with adjustable clips)
E6 BP031085 LED White	24V DC	11.32W	1,246	3/4W x 9/16H x 48L	3/4W x 1-1/4H x 48L
E7 BP031086 LED White	24V DC	14.27W	1,571	3/4W x 9/16H x 60L	3/4W x 1-1/4H x 60L
E8 BP031158 LED White	24V DC	18.69W	2,059	3/4W x 9/16H x 76L	3/4W x 1-1/4H x 76L

# White LED Light Bar

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## 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 reprogramming.

## 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
48" White Light Bar	BP031085
60" White Light Bar	BP031086
76" White Light Bar	BP031158

