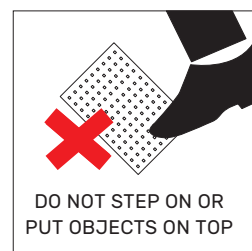
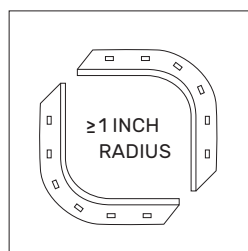
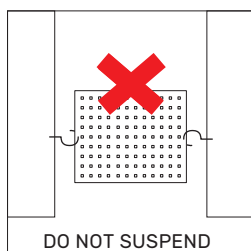
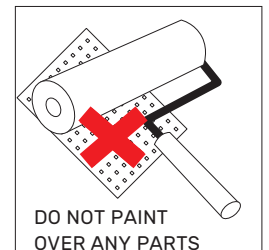
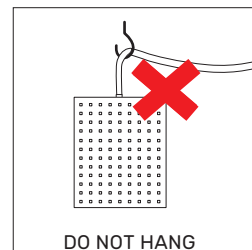
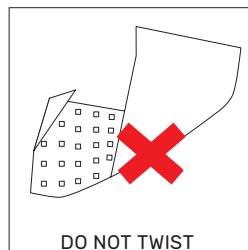
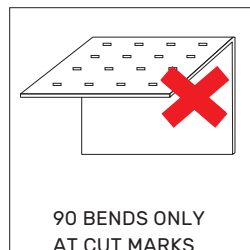
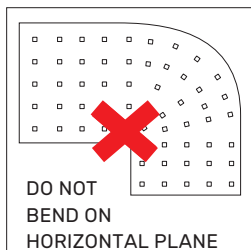


**WARNING**

**DO NOT CONNECT 24V DC LIGHTS DIRECTLY TO 120/220V AC POWER.**

**ALWAYS install in accordance with local and national electrical codes.**

- This product should be installed and serviced by a qualified, licensed electrician.
- Do not install the product in a location where the ambient temperature is outside the listed ambient temperature range of the product (-20 °C to 40 °C). Failure to do so could result in damage to the light and may alter the light's operational characteristics.
- Do not stare directly into LED lights when illuminated.
- Always disconnect the power supply before cutting or connecting light. Apply power to test the light and connections before mounting.
- Be sure to connect the positive and negative wires from the power supply to the matching poles on the light to avoid damage.
- The product should be powered by an isolated 24V DC constant voltage power supply with <5% ripple wave. Only 80% of the power supply's rated power should be used, in order to guarantee that sufficient voltage is available to drive the panel.

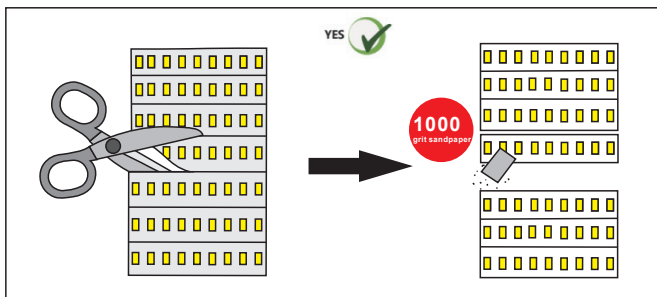


## INSTALLATION

- 1) **Configure the flexible sheets to the desired layout before beginning the installation.**
- 2) **Turn off the power before beginning the installation.**
- 3) **Cut the flexible LED sheet to the desired length. Only cut the sheet along the cut lines, indicated by the solid lines.**

**Note:** Cutting outside of the designated areas will damage the LED light panel.

After cutting, you need to pay attention to grinding, otherwise there will be a short circuit when rolling. Because the front is negative and the back is positive, if it is not polished, there is a risk of connecting the upper and lower poles, resulting in a short circuit.



(Use sharp scissors, sand with 1000-grit sandpaper, and use a blade to scrape off any copper foil that may short-circuit)

- 4) **Mount the flexible sheet to the desired surface using either the adhesive backing or screws.**

**a. Mount using the adhesive on the back**

Clean and dry the mounting surface. Remove backing on the adhesive. Gently press the flexible sheet to the mounting surface. Avoid applying pressure directly to the electrical components and avoid pinching. If bending the sheet tighter than a 30mm(1.2") radius, only do so along the cut lines.

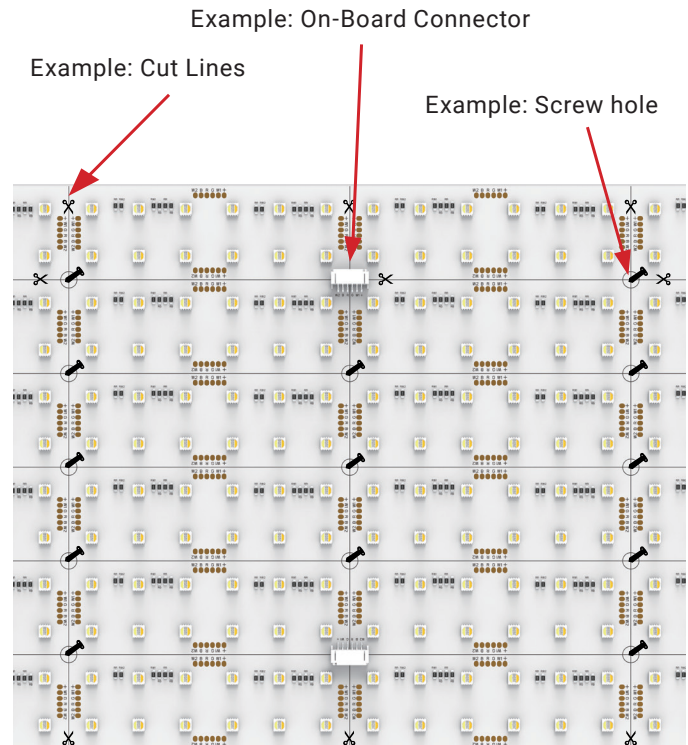
**b. Mount using screws**

Mount the flexible sheet using screws at **ONLY** the designated circle screw holes. It is recommended to use pan head, domed, or round head screws. Do not overtighten screws as it may cause damage to the product.

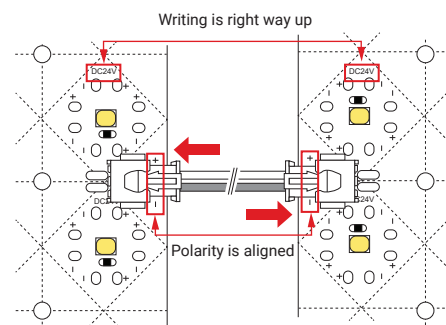
- 5) **Connect the flexible sheets to power using the on-board connectors and a 24V DC power supply.**

The connectors need to be inserted.

**Note:** Ensure that the polarity is correct when connecting to power.

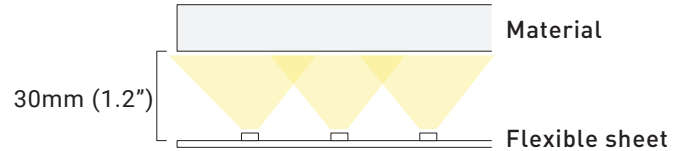


### Correct Orientation (+ to +, and - to -)



## Recommended distance

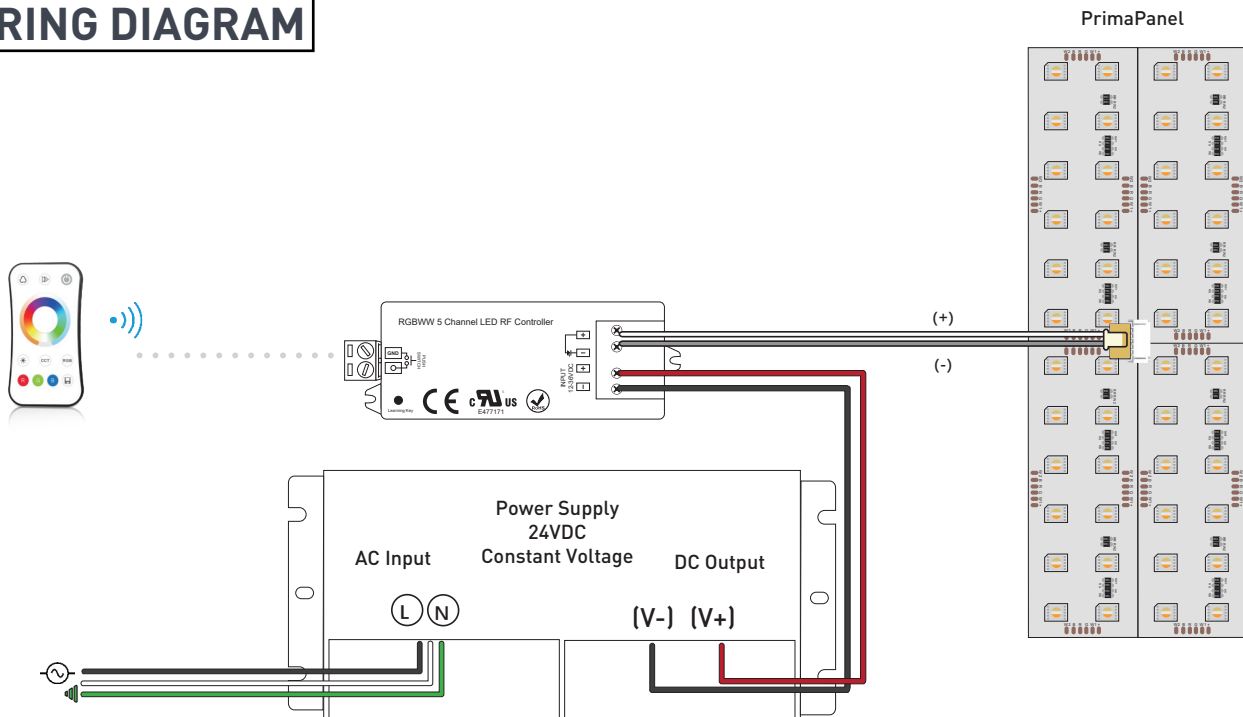
It is recommended that the panel be mounted at least 30mm (1.2") away from the material that is to be backlit in order to minimize the likelihood of hotspots.



## ACCESSORY



## WIRING DIAGRAM



## **TROUBLESHOOTING**

### **Panel does not light up:**

- Make sure the DC power supply is turned on and receiving power.
- Confirm you have maintained correct polarity (+ to + and - to -) when joining panels as well as when connecting to the 24V DC power supply. If polarity is incorrect, reverse polarity at the power supply to correct the problem.
- Check all light connections and any switch or dimmer connections from the power supply to the light panels.
- Consider testing with a multimeter to ensure light is receiving 24V DC power.

### **Only part of the panel is lit:**

- Check connections to the part of the sheet that is not lit.
- Confirm you have maintained correct polarity (+ to + and - to -) when joining lights as well as when connecting to the 24V DC power supply.

### **Lights blink on, then go off:**

- Your power supply is not adequate for the length of lights you are powering. Install a higher wattage power supply or reduce watts used by shortening the lengths of your panels.

### **LEDs farthest from the power supply are noticeably dimmer:**

- This is the result of voltage drop. Decrease the length of the 24V DC power feed wires or use thicker power feedwires between the 24V DC power supply and the lighting.
- Use shorter lengths of lights.