

# LLX18X2-RGBW 24V - Installation Instructions

Models LLX18X2-RGBW

**Please read complete instruction prior to installation and keep for future reference!**

1. Product should be installed by a qualified electrician.
2. Prior to installation ensure power is off at fuse box to prevent electrical shock.
3. Use only with Class 2 power unit. *Utiliser seulement avec Classe 2 unite d'alimentation électrique.*
4. Suitable for Damp Locations. *Convient Aux Emplacements Humides.*
5. For under-cabinet or shelf mount.
6. Conforms to UL STD 2108. Certified to CSA STD C22.2 No.250.0.



**optic arts**  
by luminii

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**Attention:** Always test LLX18-RGBW before installing. Connect LLX18-RGBW to power supply to ensure it is working properly and no damage has occurred during shipping.

**1**

HST - aluminum heat sink tape

Clean the area thoroughly where the LLX18-RGBW will be installed. Use the included Heat Sink Tape for installation of LLX18-RGBW on non-aluminum and non-copper surfaces to ensure proper heat dissipation. LLX18-RGBW may not reach it's rated average life when installed otherwise.

**2**

LLX18-RGBW

Remove the paper backing from the LLX18-RGBW and firmly press down making sure there are no air bubbles that can cause surface irregularities. **Do not remove the adhesive, removing the adhesive may cause arcing of the Line LED tape.**

paper backing

NOTE - When removing backing & laying LLX18-RGBW to surface avoid installing with ripples & bending over 90°.

NOTE - Avoid sharp bends or bending on the solder joints near 1" on wire lead.

Soldered joints

ripple

**3**

wire leads

LLX18-RGBW

solder pads

If required for installation, cut the LLX18-RGBW strip between two rows of solder pads. Always cut LLX18-RGBW from end without connector / wire leads.

**4**

Follow RGBW controller and receiver instructions for all wiring connections. Refer to diagram for needed components.

wireless or wired RGBW controller

receiver / decoder

24V PSV power supply

repeater

OPTIONAL

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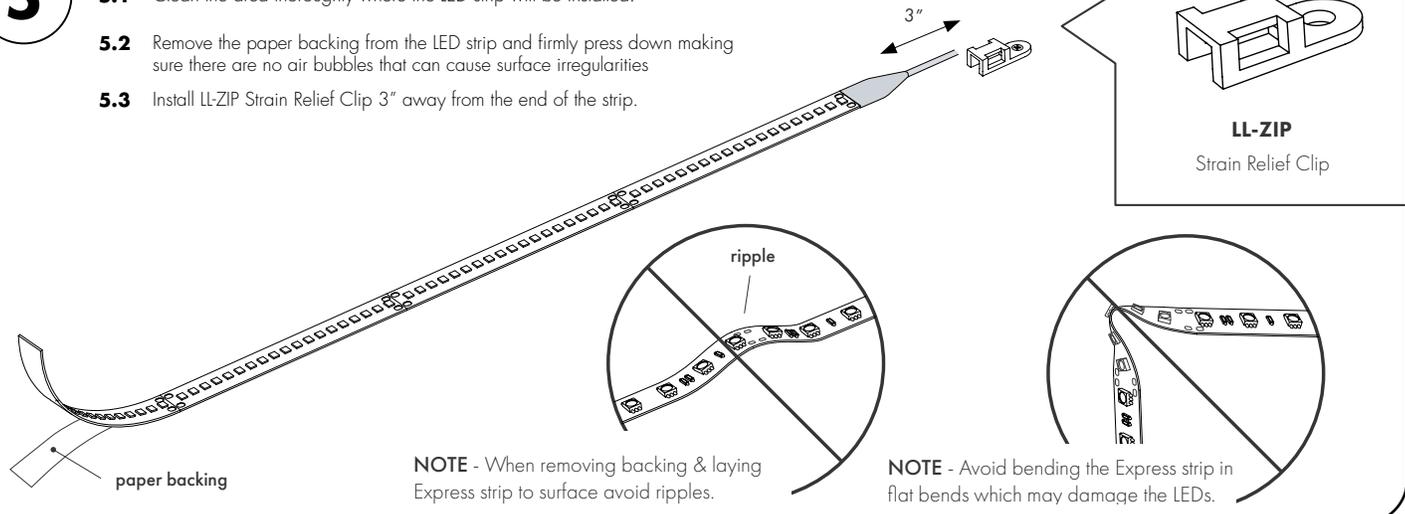
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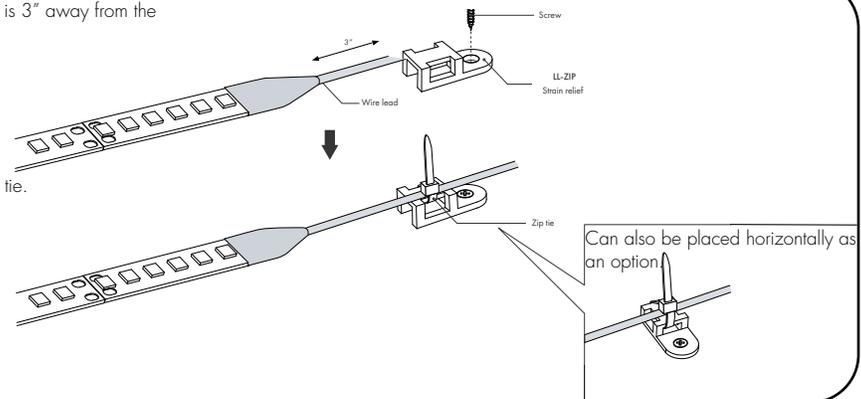
**5**

- 5.1 Clean the area thoroughly where the LED strip will be installed.
- 5.2 Remove the paper backing from the LED strip and firmly press down making sure there are no air bubbles that can cause surface irregularities
- 5.3 Install LL-ZIP Strain Relief Clip 3" away from the end of the strip.



**6**

- 6.1 Place the strain relief in desired place. Make sure it is 3" away from the end of the strip.
- 6.2 Slide the ziptie through strain relief opening.
- 6.3 Lay wire lead on top of strain relief.
- 6.4 Tighten zip tie around lead wire. Cut off excess zip tie.



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## Power Supply Wiring Diagram

**Note:** Prior to installation all 24VDC wires must be present near fixture. Refer to the power supply installation instructions for additional information.



RGB/RGBW  
Wiring Diagram PDF