USER GUIDE



Thank You!

We truly appreciate your support of small businesses. Your choice means the world to us. Each Light Canopy is carefully hand-assembled with love in San Francisco, California. We're honored to be part of your space.

Need Help or Love the Product?

If you need to reach out, please send us an email. We'll get back to you as soon as we have our morning brew! info@lightcanopy.com

And if you're enjoying your Light Canopy, we'd be so grateful if you left a constructive review. Your feedback helps others find us and supports future projects.

Packing List



Turning On & Connecting to Your Device



Before powering on, visually inspect all electrical connections. Ensure there are no signs of wear such as exposed wires, UV damage, cracked insulation or burn marks. Also, ensure the WIFI antenna port is free of debris.

1.) Install the WIFI antenna – it's essential for connecting to the device. You won't be able to reliably connect without it.





For your safety, it is strongly recommended to use a GFCI outlet whenever the Light Canopy may be exposed to wet conditions. This helps protect against electrical shock and ensures safer operation in outdoor or damp environments.

1st time powering up the Light Canopy?

Or, you did not set it up with a Wi-Fi network? It will boot into Access Point (AP) mode.

In AP mode, the **Light Canopy** creates its own local Wi-Fi network that you can connect to using your phone or computer.

You do not need to download any apps to use the preinstalled WLED software.

2.) Open the Wi-Fi settings on your phone or computer and look for a network named: **LightCanopy-XXXXXX** (where XXXXXX is your device's unique MAC address).

3.) Connect using the default password: lica4321

4.) Once connected, search in your web browser's address bar: **4.3.2.1** This will take you to the canopy's control interface.

5.) OPTIONAL: Connect your Light Canopy to your Home WIFI network (**2.4Ghz network only**)

Hanging Your Light Canopy



Before hanging your **Light Canopy** look over the fabric for any tears or signs of stress. Also, ensure all D-shackle anchors and quick links are fully tightened and free from corrosion.



Recommended – 4 Anchor Points

For maximum strength, safety, and stability, it is highly recommended to anchor your **Light Canopy** using 4 points. This configuration ensures the best performance in high wind, rain, or when absolute rigidity is required. This 4-point setup is ideal for professional use and critical environments.



Minimum - 3 Anchor Points (options A & B)

A 3-point anchor setup is the minimum required and should only be used when a 4th anchor is not physically possible due to space or mounting limitations. Please note that with only 3 anchor points, stability may be reduced, especially in adverse weather conditions.



Use any of the four corners and a quick link to create a stabilizing 3rd anchor.

NOT Recommended: "Hammock" - 2 Anchor Points

Will yield extremely unpredictable results, like a hammock...



Rolling Up Your Light Canopy

Before rolling, remove the Wi-Fi antenna to avoid damaging it.



Д

Modular Light Canopy Expansion

Light Canopies are designed to connect together into larger unified displays.



Use the **provided quick links** to ensure the correct spacing between each **Light Canopy** and their bordering LEDs.





Wirelessly Synchronizing Multiple Light Canopies

To wirelessly expand your **Light Canopy** setup, you can link multiple 400-LED panels so they behave as one continuous display using DDP (Distributed Display Protocol). This designates one panel as the primary controller, and the rest as secondaries, each running its own 400-LED panel.

1. Each Light Canopy

must be connected either to the Wi-Fi network **created by the primary canopy (AP Mode)** or to the **same 2.4GHz local Wi-Fi network**.

2.) On EVERY secondary Light Canopy:

In Config \rightarrow Sync Interfaces, select the same sync group (e.g., 1), enable Receive only, and confirm what the DDP port is (default: 4048). Save and ensure Sync is toggled **on** in the top menu.

This sets the secondary panel to listen for its portion of LED data from the primary.

3.) On the primary Light Canopy:

Go to Config \rightarrow LED Preferences and set the LED Output type to **DDP RGB (Network)**. Set the total LED count to the combined count of all panels (e.g., 1600 for four panels). Under Sync Interfaces, a group (e.g., 1), enable Send only and confirm the DDP port is the same as the secondaries. Save and ensure Sync is toggled **on** in the top menu.

4.) While still on the primary canopy:

Enter the 2D Matrix Configuration page.

First, set the number of panels to match the total number of connected **Light Canopies** (your primary panel plus all secondary panels).

For the layout, define each matrix orientation by adjusting the following:

1st LED — always choose the position of the LED in the corner, closest to the power supply and control box for each panel. This is always the first LED.

Orientation – dependent on your setup.

Ensure **Serpentine mode is checked** for each panel.

Dimensions (WxH) – 16x25 for "Vertical" Orientation or 25x16 for "Horizontal" Orientation. **The X and Y offset** – this positions the panel correctly relative to the others.

Use the preview at the bottom to confirm the correct layout has been created. As a reference, virtual panels should match the wiring on the backside of each **Light Canopy**.

Need Help?

Don't beat yourself up... This is the hard stuff! Reach out to us anytime and we'll happily help get you set up: info@lightcanopy.com

Helpful Links to Additional Information or Features

Premium 'Y' Effects by Stefan Petrick

Your **Light Canopy** may include a collection of premium effects prefixed with 'Y', created by Stefan Petrick. These effects offer advanced visual patterns and can be accessed directly within the WLED interface. To see a list of theses and all other included effects visit:

https://mm.kno.wled.ge/features/effects

Stream to Your Light Canopy with WLED-Studio

A user-friendly Python application to stream videos, images, and animations directly to your WLED-powered LED video wall

https://github.com/BradyMeighan/WLED-Studio

Advanced Visual Effects with MilkDrop 3

MilkDrop 3 is a standalone visualization program that supports any audio source and is compatible with WLED when used in conjunction with streaming protocols like Art-Net or sACN. It offers a vast library of presets and supports double-preset blending for complex visualizations.

https://github.com/milkdrop2077/MilkDrop3

Thanks for reading!

You're officially ready to send your Light Canopy out into the wild!

We'd love to feature your setup on our Instagram — whether you turned your garage into a spaceship, hosted a pop-up art gallery, threw an underground rave, or added ambiance to a wedding, send us a DMI <u>IG @light.canopy</u>