

## Required System Parts:

- (1) Snip Panel "StaticWhite" Light 8W/ft<sup>2</sup> - 9"x24" (23x60 cm) . . . P/N: L-SPFL8WA-xx, or...
- (1) Snip Panel "StaticWhite" Light 15W/ft<sup>2</sup> - 9"x24" (23x60 cm) . . . P/N: L-SPFL15WA-xx
- (1) Power Supply 24VDC, Class 2, 96W max.
- (1) 24V Snip Static White Starter Cord 79" (2m) . . . . . P/N: L-24B2SPKT-2M-1

**Accessories (purchased separately):** Extension and Link Cords (various lengths), Back-to-Back Connectors, and 5-Output Barrel Splices.

# INSTALLATION INSTRUCTIONS

## LED SNIP PANEL LIGHT - STATIC WHITE

Dimmable, 8W/ft<sup>2</sup> or 15W/ft<sup>2</sup>, 24VDC System

Outwater Industries' LED Snip Panel "StaticWhite" Lights are designed for backlighting, shelf lighting and cabinet lighting applications (indoor locations only). To be used with 24VDC, Class 2, 96W max Power Supplies only. This system is dimmable.

### READ ALL INSTRUCTIONS BEFORE INSTALLING SYSTEM.

*Before beginning installation, be sure power is turned OFF to light system.*

**WARNING: Do NOT handle or assemble while Snip Panels are turned on. The electrostatic discharge could damage the LEDs.**

#### Information to help determine installation layout:

- Snip Panel Lights come in 9" x 24" (23 x 60 cm) panels and are marked every 3" (7.6 cm) to cut as needed. Use scissors or a sharp utility knife to cut on the 3" lines only (see Fig. #1). Note: Cutting anywhere else but on the 3" lines will damage that Snip Panel section.

<b>Snip Panel Power</b> (Full 9"x24" Panel)	<b>12W</b>	<b>23W</b>
<b>Snip Panel Power</b> (FT <sup>2</sup> )	8W / ft <sup>2</sup>	15W / ft <sup>2</sup>
<b>Snip Panel Power</b> (3"x 3" Square)	0.5W / square	0.94W / square
<b>Max size of Panels</b> (per 96W Power Supply)	12ft <sup>2</sup>	6ft <sup>2</sup>

- Maximum distance between 96W Power Supply and first Snip Panel Light is **25' (7.6 m)**.

### Installing the Snip Panel Light system:

**Roughly lay out lighting system before installation to verify final positioning of all components.**

1. First, install the 24VDC Class 2 96W **Power Supply** (see Fig. #2). Keep power off to Power Supply until complete system is installed. Keep Power Supply in an accessible location.

**NOTE: Use insulated staples or plastic ties to secure ALL cords throughout the installation.**

2. Next connect the Power Supply to the **Starter Cord**, or as an option, connect to a 5-Output Barrel Splice (L-1BRL5-1) (see Fig. #3). If using hardwire power supply only, cut the barrel connector off the Starter Cord, or the 5-Output Barrel Splice, and hardwire directly to the Power Supply following NEC codes.

**IMPORTANT:** Make sure to mate red wire (+) to red wire (+); and black wire (-) to black wire (-).

As an option, Outwater's 96W Power Supplies are available (P/N: L-24DCEL96-1), to allow you to quick-connect the barrel connector directly to the Power Supply.

Also if needed, **Extension Cords** (P/N: L-24BBEXT-xM-1) are available in 39", 79" and 118" (1m, 2m and 3m) lengths to use between Starter Cord or 5-Output Barrel Splice and the Power Supply.

3. If using the optional 5-Output Barrel Splice, now connect it to the Starter Cord (see #3).
4. Route Starter Cord and connect the other end of Starter Cord with the attached FlexConnect to the first Snip Panel Light. Push in connector until fully seated (see #4).

After seated, tighten two small hex screws with a 1.5mm allen wrench (provided with each Starter Cord). Tighten firmly, but do not overtighten.

**IMPORTANT:** The polarity of the two contacts on the Snip Panel and the FlexConnect should match-up (+) to (+) and (-) to (-). See markings on Snip Panel and FlexConnect. If needed, rotate the Snip Panel section 90° or 180° to match polarity.

**NOTE: FlexConnects can be applied to any set of contacts on any edge of a Snip Panel Light as long as the (+) and (-) polarity match.**

5. Mount Snip Panels to a flat surface using either 3M® tape (provided) or screws as noted below. For backlighting applications and to achieve even illumination (without seeing LEDs as dots of light), space Snip Panels at a minimum of **2" (50 mm)** behind a translucent display panel.

### Two ways to mount:

#### Mounting with Tape:

3M® double-sided tape is provided on the backside of all Snip Panels for mounting purposes. Peel off tape backing and mount panel section to a smooth, clean surface. Firmly rub down the tape IN BETWEEN the LEDs, do NOT push down on the LEDs themselves. Apply firm, even pressure for proper adhesion to take place.

*Note: The 3M® adhesive is pressure sensitive tape. Pressure must be applied in order for proper adhesion to take place. Not intended for rough or raised surfaces.*

#### Mounting with Screws:

Use #4 pan head screws 1/2" (1.3 cm) to mount the panels (see Fig. #5 for a guide). Utilize the Snip Panel as a template and mark screw holes on mounting surface. Drill small pilot holes. Position Snip Panel on surface. Insert screws into mounting holes in the Snip Panel and screw panel section to surface. DO NOT overtighten.

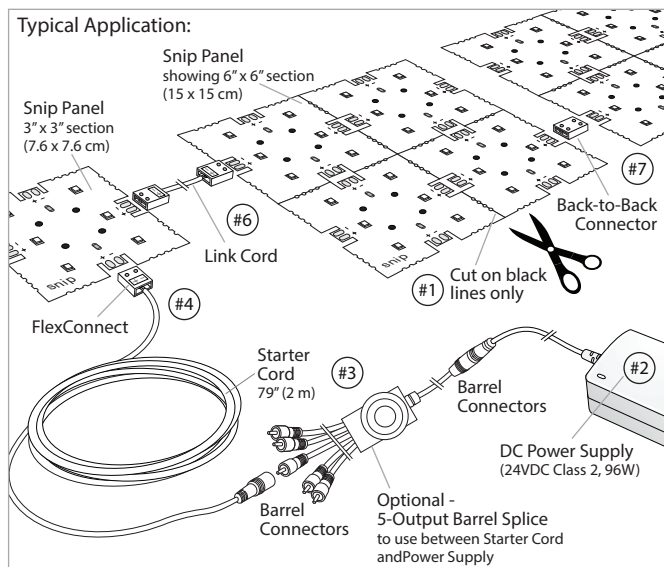
**IMPORTANT!** Only mount Snip Panels to any non-conductive material. If mounting directly on a metal surface, the contacts may short out and damage the light system.

6. Continue adding the Snip Panel sections as needed, linking the panels with Link Cords or with Back-to-Back Connectors to directly link panels (i.e. without cords). (See #6 and #7).

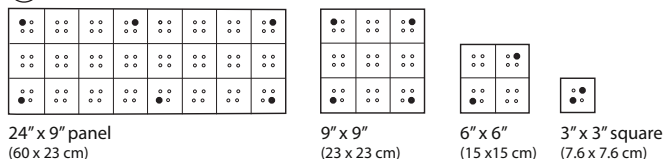
**IMPORTANT: Make sure to match (+) and (-) on ALL links made in the run.** If needed, rotate the Snip Panel or the Link Cord to match polarity.

7. Final step: check all connections and turn 120V power source onto the Power Supply.

**Additional accessories:** Outwater Industries offers other accessories including Power Supplies, Switches and Dimmers. Check our catalog for more details.



(#5) Black dots show recommended positions of screws on different panel sizes.



### IMPORTANT SAFETY INSTRUCTIONS

**CAUTION: To reduce the risk of fire, electric shock, or injury to persons:**

- NOT intended for outdoor use or where exposed to excessive moisture.
- Do NOT solder your own wires to input/outputs of Snip Panel Lights. Must use Outwaters FlexConnect connectors.
- Only bend Snip Panels in between the LED diodes. If the panel is kinked or creased on the diodes, the internal contacts may break.
- Use only insulated staples or plastic ties to secure ALL cords.
- Route and secure cords so that they will not be pinched or damaged when the sign or other structure is pushed to the wall.
- Do not run line voltage power supply cord through holes in walls, ceilings, floors or similar permanent structure.
- If required, a licensed electrician should be consulted for wiring through permanent structures. When mounting and wiring light system, follow all local electric codes and the National Electrical Code (NEC).
- Disconnect electrical power before modifying system.
- Individual LEDs cannot be replaced. Instead replace entire Snip Panel Light section.

This light is intended to be used as a fixture on wood, particle board or other structurally sound, heat-resistant, non-conductive surface. Also intended for use with indoor signage. Care should be taken during and after installation to avoid contact of light with wiring, cord, or any combustible material.

**SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.**  
**For technical assistance, call 1-800-631-8375**



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