

Light up your imagination with this DIY **Cut & Connect Lighting Kit** from Inspired LED! Featuring three meters of flexible LED strips, power supply, solderless connectors, and accessories, you can transform even the most unassuming areas of your home or business into a stunning focal point. All kit components are modular and can be combined with other Inspired LED products for a complete DIY lighting system!



## Kit Components:



**(1) 118" Strip 12V LED Flex Tape**  
**Normal, Super, or Ultra Bright (various colors)**  
 118" (L) x 3/8" (W) x 1/8" (H)  
 This unique, low voltage flexible LED tape offers a superior quality of light with the ability to cut to nearly any custom length, featuring adhesive backing for easy install.



**(1) In-Line On/Off Switch**  
**SKU: 4775**  
 0.7" (W) x 2.6" (L) x 0.5" (H)  
 Switch connects to standard cables and power supplies using a 3.5mm input jack, allowing simple on/off control, adhesive or screw mount (max load 4 AMPs).



**(4) Solderless Tiger Paw Connectors (2 pair)**  
**SKU: 4938**  
 1.32" x .25", 3.5mm connection  
 These handy accessories easily secure to the end of flexible LED strips, allowing for quick in-field termination to standard interconnect cables. **Additional connectors sold separately.**



**(2) 3' Interconnect Cables**  
**SKU: 4771**  
 Interconnect cables provide simple connections from one system component to the next using 3.5mm plugs in a standard length of 36". **Other lengths available by request.**



**(1) Class 2 Plug-in Power Supply (various sizes)**  
**SKU: 3752 (1A), 3542 (2A), 4842 (3.8A pictured)**  
 Plug-in power supplies convert the standard 120V AC from US outlets to 12V DC, featuring a 6 foot cable with 3.5mm end connector. **See table below for info on max loads.**



**(6) Cable Clamps & Screws**  
**Product Code: 4774**  
 1" x 1" plastic clamps help to support and conceal excess cable, can be secured via adhesive pads or 1/2" steel flathead Philips screws (included).

## General Power Requirements:

Power Source	Maximum Length of LED Flex Strip Lighting			
	Normal Bright*	Super Bright**	Ultra Bright***	Mega Bright****
<b>1 Amp / 1 Amp Mini (12 Watt)</b>	154.5" (10.8 Watts)	70" (10.8 Watts)	40.5" (10.8 Watts)	38.5" (10.8 Watts)
<b>1.5 Amp Skinny (18 Watt)</b>	205.5" (16.1 Watts)	101.5" (15.5 Watts)	59.5" (16.1 Watts)	50" (16.1 Watts)
<b>2 Amp (24 Watt)</b>	274.5" (21.6 Watts)	135" (21.6 Watts)	81" (21.6 Watts)	76" (21.6 Watts)
<b>40 Watt Dimmable Transformer</b>	456" (36 Watts)	227.5" (36 Watts)	133.5" (36 Watts)	129" (36 Watts)
<b>3.8 Amp (45.6 Watt)</b>	520" (41 Watts)	259" (41 Watts)	153" (41 Watts)	146.5" (41 Watts)
<b>5 Amp (60 Watt)</b>	684" (54 Watts)	339.5" (54 Watts)	200" (54 Watts)	192" (54 Watts)
<b>60 Watt Dimmable Transformer</b>	684" (54 Watts)	339.5" (54 Watts)	200" (54 Watts)	192" (54 Watts)
<b>100 Watt Dimmable Transformer</b>	1140" (90 Watts)	568" (90 Watts)	335" (90 Watts)	320" (90 Watts)

\*Individual strips over 200" should be powered from the center of the strip, not to exceed 400" in total length.  
 \*\*Individual strips over 150" should be powered from the center of the strip, not to exceed 300" in total length.  
 \*\*\* Individual strips over 105" should be powered from the center of the strip, not to exceed 210" in total length.  
 \*\*\*\* Individual strips over 100" should be powered from the center of the strip, not to exceed 200" in total length.

**Please Note:** Power requirements will vary slightly based upon system configuration, these are conservative values meant for general calculations only, contact us directly for more information on powering large or complex systems

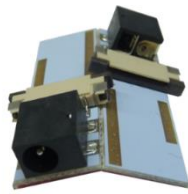


**Instructions: To install, you will need all Cut & Connect Kit components, masking tape, a pair of scissors, and a Phillips head screw driver (if desired)**

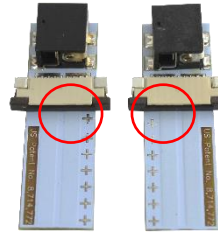
- 1** Measure desired length of LED strip and cut along copper solder pads ONLY (located every 3 or 6 LEDs)



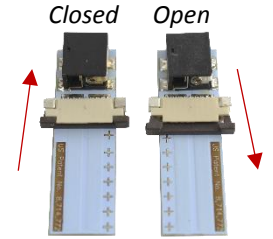
- 2** Separate Tiger Paw pair by pressing firmly along edges of board, bending until individual connectors snap apart



- 3** Make note of assigned polarities by locating the (+) symbols on connectors



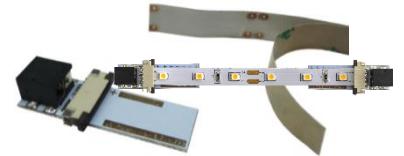
- 4** Take hold of black sliding latch and pull outward to open connector



Peel adhesive about 1" back from end of LED strip, and align (+) polarity of strip to (+) polarity of Tiger Paw

- 6** Insert LED strip into gap above sliding black latch, ensure that strip is centered and fully inserted before sliding latch firmly closed

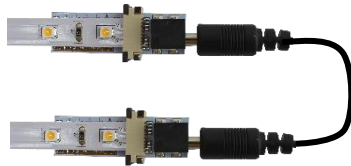
Reinforce connector **5** pressing and sticking the adhesive of the flexible strip to the Tiger Paw board



- 9** Temporarily mount terminated LED flex in desired locations using masking or painters tape



- 10** Connect LED flex strips end to end by plugging interconnect cable into each Tiger Paw



- 11** Connect cable from first string of lights to input of switch



- 12** Connect cable from plug-in power supply to other input of switch



- 13** Plug power supply into wall outlet and turn on switch to test connections



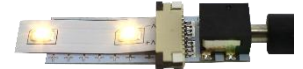
- 14** Once satisfied with placement of LEDs, remove adhesive backing from components, and mount in place



- 15** Mount cable clamps by removing adhesive backing or by screwing into desired locations to hold back excess cable



- 16** Once finished, give yourself a pat on the back, sit back and enjoy your new lighting system!



**Wiring Diagram:**

