

inspired LED **12 Meter Cut & Connect Kit**

Light up your imagination with this DIY Cut & Connect Lighting Kit from Inspired LED! Featuring twelve meters of flexible LED strips, power supplies, 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:



Normal Bright Kit: For Accent Lighting	Super Bright Kit: For Ambient Lighting	Ultra Bright Kit: For Task Lighting
<p>(1) 39.4' Reel Normal Bright Flexible LED Tape Warm (3000K), Pure (4200K), Cool (6000K), Red, Green, Blue</p> <p>(3) 1 Amp Power Supplies 120VAC to 12VDC, 6' cord</p> <p>(3) In-Line On/Off Switches 3.5mm inputs, max load 4A</p> <p>(5) 3' cables with 3.5 x 1.3mm plugs</p> <p>(10) Solderless Tiger Paw Connectors (5 pairs) 3.5mm inputs, max load 3.5A</p> <p>(10) Cable Clamps & Screws 1" x 1" with 1/2" screws</p>	<p>(1) 39.4' Reel Super Bright Flexible LED Tape Warm (3000K), Pure (4200K), Cool (6000K), Red, Green, Blue</p> <p>(3) 2 Amp Power Supplies 120VAC to 12VDC, 6' cord</p> <p>(3) In-Line On/Off Switches 3.5mm inputs, max load 4A</p> <p>(5) 3' cables with 3.5 x 1.3mm plugs</p> <p>(10) Solderless Tiger Paw Connectors (5 pairs) 3.5mm inputs, max load 3.5A</p> <p>(10) Cable Clamps & Screws 1" x 1" with 1/2" screws</p>	<p>(1) 39.4' Reel Ultra Bright Flexible LED Tape Warm (3000K), Pure (4200K), Cool (6000K), Blue</p> <p>(3) 3.8 Amp Power Supplies 120VAC to 12VDC, 6' cord</p> <p>(3) In-Line On/Off Switches 3.5mm inputs, max load 4A</p> <p>(5) 3' cables with 3.5 x 1.3mm plugs</p> <p>(10) Solderless Tiger Paw Connectors (5 pairs) 3.5mm inputs, max load 3.5A</p> <p>(10) Cable Clamps & Screws 1" x 1" with 1/2" screws</p>

General Power Requirements:

Power Source	Maximum Length of LED Flex Strip Lighting			
	Normal Bright*	Super Bright**	Ultra Bright***	Mega Bright****
1 Amp (12 Watt)	154.5" (9.75 Watts)	75" (9.75 Watts)	42" (9.75 Watts)	39" (9.75 Watts)
20 Watt Dimmable Transformer	252" (15.75 Watts)	123" (15.9 Watts)	70" (15.9 Watts)	63" (15.9 Watts)
2 Amp (24 Watt)	312" (19.5 Watts)	150" (19.5 Watts)	85" (19.5 Watts)	78" (19.5 Watts)
40 Watt Dimmable Transformer	516" (32.25 Watts)	252" (32.25 Watts)	144" (33 Watts)	129" (32.25 Watts)
3.8 Amp (45.6 Watt)	582" (36.5 Watts)	282" (36.5 Watts)	159" (36.5 Watts)	146.5" (36.5 Watts)
5 Amp (60 Watt)	768" (48 Watts)	372" (48 Watts)	210" (48 Watts)	192" (48 Watts)
60 Watt Dimmable Transformer	768" (48 Watts)	372" (48 Watts)	210" (48 Watts)	192" (48 Watts)
100 Watt Dimmable Transformer	1284" (80.25 Watts)	624" (80.6 Watts)	350" (80 Watts)	320" (80 Watts)
150 Watt Dimmable Transformer	1920" (120 Watts)	924" (119.35 Watts)	522" (120 Watts)	480" (120 Watts)
200 Watt Dimmable Transformer	2568" (160 Watts)	1236" (160 Watts)	696" (160 Watts)	636" (160 Watts)
300 Watt Dimmable Transformer	3840" (240 Watts)	1860" (240.5 Watts)	1044" (240 Watts)	960" (240 Watts)

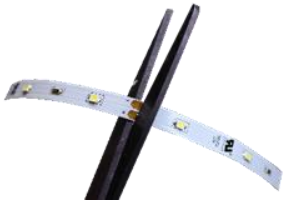
* individual strips over 200" should be powered from the center of the strip, individual strips should not exceed 400" in length
 ** individual strips over 150" should be powered from the center of the strip, individual strips should not exceed 300" in length
 *** individual strips over 105" should be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

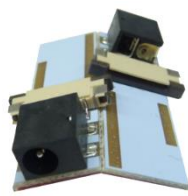


Instructions: To install, you will need all Cut & Connect Kit components, masking tape, a pair of scissors, and a Phillips head screw driver (if desired)

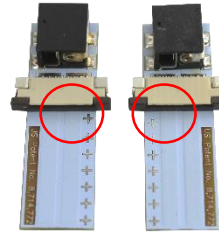
- 1** Measure desired length of LED strip and cut along copper solder pads ONLY (located every 3 or 6 LEDs)



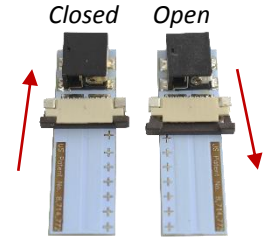
- 2** Separate Tiger Paw pair by pressing firmly along edges of board, bending until individual connectors snap apart



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



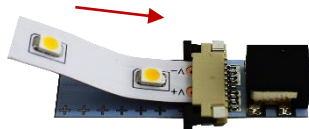
- 4** Take hold of black sliding latch and pull outward to open connector



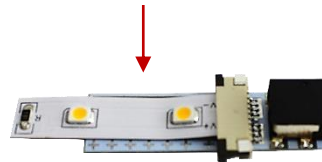
- 5** Peel adhesive about 1" back from end of LED strip, and align (+) polarity of strip to (+) polarity of Tiger Paw



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



- 7** Reinforce connection by pressing and sticking the adhesive of the flexible strip to the Tiger Paw board



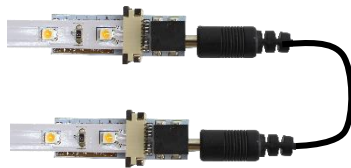
- 8** Repeat steps 3-7 to terminate opposite end of flex strip, then repeat for other pieces of flex as needed



- 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



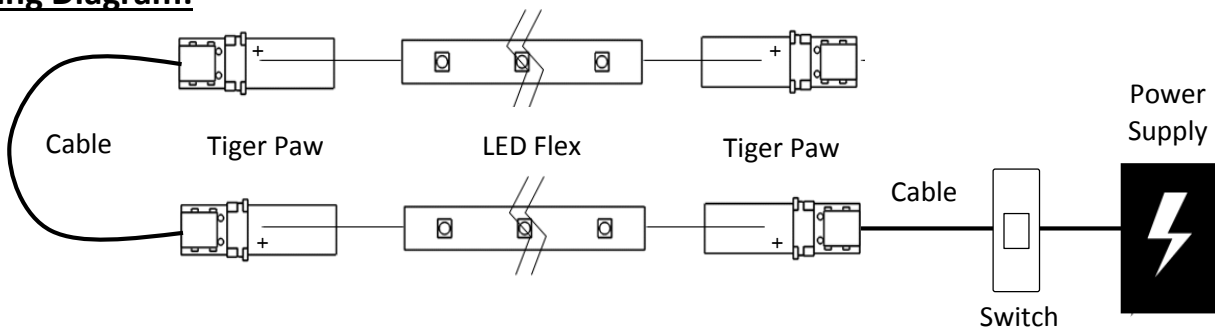
- 15** Mount cable clamps by removing adhesive backing or by screwing into desired locations to hold back excess cable



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



Wiring Diagram:



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