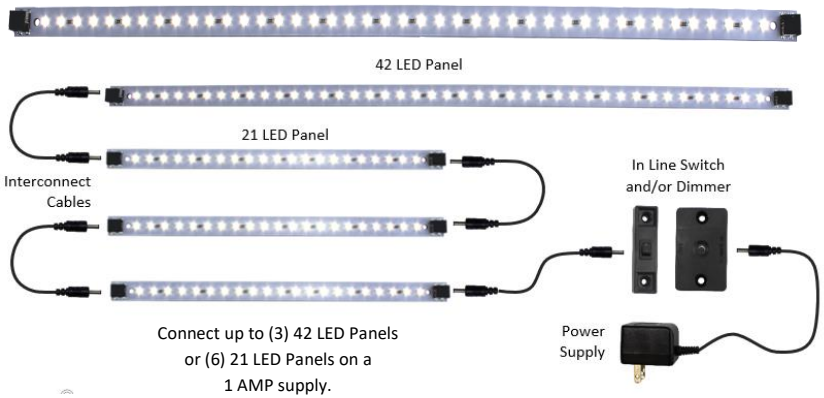
General Products & Accessories

12V Rigid LED Panels

Available in Warm White, Pure White, Cool White

Pro Series 21 or 42 LED Panels

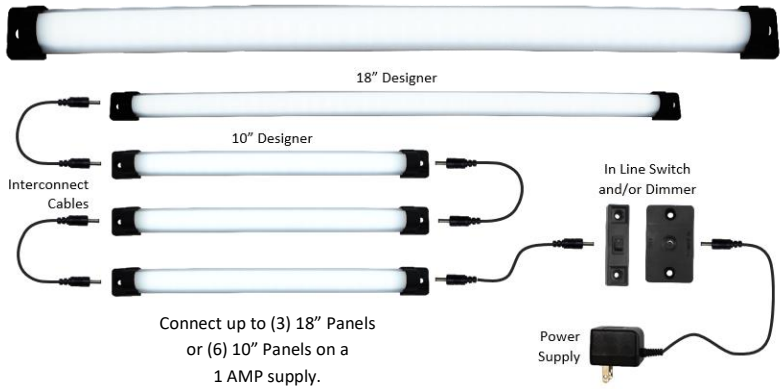
(8.75” or 16.75” long) x (0.50” wide) x (0.30” thick)



Connect up to (3) 42 LED Panels or (6) 21 LED Panels on a 1 AMP supply.

Designer Series 10” or 18” Covered LED Panels

(10” or 18” long) x (0.75” wide) x (0.55” thick)



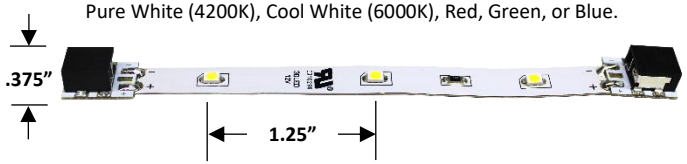
Connect up to (3) 18” Panels or (6) 10” Panels on a 1 AMP supply.

12V-24V Flexible LED Strips

Available in Warm White, Pure White, Cool White, Red, Green, Blue

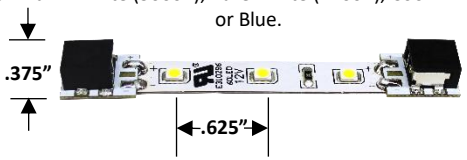
12V Normal Bright Flex Strips (30 LEDs/meter)

Normal bright flex is ideal for accent lighting in areas such as ceiling coves, upper-cabinet molding, and toe-kick lighting. Available in custom cut lengths and 12 meter reels of Warm White (3000K), Pure White (4200K), Cool White (6000K), Red, Green, or Blue.



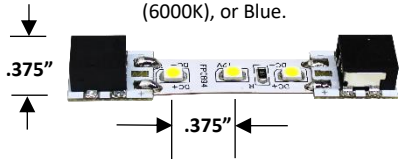
12V Super Bright Flex Strips (60 LEDs/meter)

Super bright flex is perfect for under cabinet lighting. Available in custom cut lengths and 12 meter reels of Warm White (3000K), Pure White (4200K), Cool White (6000K), Red, Green, or Blue.



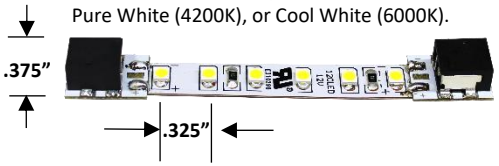
12V Ultra Bright Flex Strips (99 LEDs/meter)

Ultra bright flex is one of our brightest options, perfect for task-lighting applications. Available in custom cut lengths and 12 meter reels of Warm White (3000K), Pure White (4200K), Cool White (6000K), or Blue.



12V & 24V Mega Bright Flex Strips (120 LEDs/meter)

Mega bright flex is one of our brightest option, appropriate for task-lighting applications where too much light is just right. Available in custom cut lengths and 12 meter reels of Warm White (3000K), Pure White (4200K), or Cool White (6000K).



***Note:**
For all Inspired LED products, allow 1.5” on each side for connector installation.

⚠ Important Safety Instructions ⚠

- TO REDUCE THE RISK OF FIRE OR ELECTRICK SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.
- Follow all product installation instructions carefully, there are no user serviceable parts.
- For indoor use only, must be paired with compatible 12VDC or 24VDC power, do not exceed suggested power requirements.
- Route and secure the cables so that they will not be pinched or damaged, secure with insulated staples or cable clamps.
- To comply with the National Electric Code (NEC) and to prevent fire damage, run cables where they are accessible for inspection.
- Wall dimmers of any kind will damage standard power supplies. For this application, dimmable transformers are available.
- For question on dimming call customer service at 480-941-4286

General Installation Instructions

1. Clean surface to which you will be adhering LED products
2. Temporarily install LEDs using tape
3. Interconnect lighting with cables, control device, and power supply as shown in diagrams
4. Test system to ensure proper placement of LEDs
5. Adjust placement until desired light effect is achieved
6. Mount LEDs with adhesive backing or screws

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Power Sources

Hardwire Dimmable Transformers

- Connects directly to high-voltage lines
- Provides smooth lighting control from a compatible wall dimmer switch
- Available in Magnetic, Electronic, or 0-10V models
- 12V – 24VDC Models ranging from 40W to 300W

Plug-In Power Supplies

- Plugs into standard 110VAC U.S. outlet

- ***3.5 x 1.3mm outputs***
- 12V DC Models available in:
  - 1 Amp
  - 2 Amp
  - 3.8 Amp
  - 5 Amp
- 24V DC Models available in:
  - 3.75 Amp

LED Controllers

Lutron Wall Dimmers

- Lutron DVLV 600P (Magnetic) or DVCL 153P (Electronic)
- Compatible with 12V-24V DC hardwire transformers distributed by Inspired LED

In-Line Switches & Dimmers

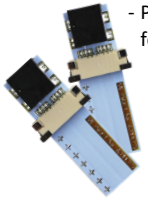
- Conveniently turn lights on and off or cycle through dim settings
- Compatible with 12V – 24V DC plug-in power supplies
- ***3.5 x 1.3mm input/outputs***

Wireless Remotes & Independence Dimmers

- Various remote controls compatible with 12V- 24VDC plug-in power supplies
- ***3.5 mm x 1.3 mm input/outputs***

Solderless Connectors

Plug-in Tiger Paw® Pairs



- Patented technology designed for simple installation
- Terminate 8mm – 10mm LED strips to plug-in port
- ***3.5 x 1.3mm input***

Screw Terminal Tiger Paws®

- Patented technology designed for contractors & electricians
- Terminate 8-10mm LED strips to bulk wire
- Various shapes & sizes for use with 16-22AWG cable

Plug-in Screw Terminals

- Terminate 16 – 22AWG cable to a 3.5x1.3mm plug

Cables & Accessories

Interconnect Cables

- Connect between Inspired LED products
- ***3.5 x 1.3mm connectors***
- Standard Lengths: 4”, 1’, 2’, 3’, 4’, 6’, 12’
- Also available in custom lengths, in-wall and Y-cables

Distribution Blocks & Extenders

- Distribute power from one source to up to 5 separate lines of light
- ***3.5 x 1.3mm input/outputs***

Cable Clamps & Screw (Set of 10)

- Manage excess cable for a clean finished install

General Power Requirements

Power Source	Maximum Length of Flex Strip Lighting								Max Pro Series Panels		Max Designer Series Panels	
	Normal*		Super**		Ultra***		Mega****		21-LED	42-LED	10"	18"
1 Amp (12 Watt)	174”	(10.8 Watt)	83.5”	(10.8 Watt)	48.5”	(10.8 Watt)	41.5”	(10.8 Watt)	6 panels	3 panels	6 panels	3 panels
2 Amp (24 Watt)	347.5”	(21.6 Watt)	166.5”	(21.6 Watt)	97.5”	(21.6 Watt)	84.5”	(21.6 Watt)	12 panels	6 panels	12 panels	6 panels
40 Watt Dimmable Transformer	580.5”	(36 Watt)	278.5”	(36 Watt)	162”	(36 Watt)	140”	(36 Watt)	21 panels	10 panels	21 panels	10 panels
3.8 Amp (45.6 Watt)	662”	(41 Watt)	318”	(41 Watt)	184.5”	(41 Watt)	160.5”	(41 Watt)	24 panels	12 panels	24 panels	12 panels
5 Amp (60 Watt)	871”	(54 Watt)	418.5”	(54 Watt)	243”	(54 Watt)	211.5”	(54 Watt)	32 panels	16 panels	32 panels	16 panels
60 Watt Dimmable Transformer	871”	(54 Watt)	418.5”	(54 Watt)	243”	(54 Watt)	211.5”	(54 Watt)	32 panels	16 panels	32 panels	16 panels
100 Watt Dimmable Transformer	1451.5”	(90 Watt)	697.5”	(90 Watt)	405.5”	(90 Watt)	351.5”	(90 Watt)	53 panels	26 panels	53 panels	26 panels
150 Watt Dimmable Transformer	2177.5”	(135 Watt)	1046.5”	(135 Watt)	608”	(135 Watt)	527.5”	(135 Watt)	80 panels	40 panels	80 panels	40 panels

* 70% brightness due to voltage drop incurred at 339.5”, strips up to 679" may be powered from center
** 70% brightness due to voltage drop incurred at 213.5", strips up to 427" may be powered from center
*** 70% brightness due to voltage drop incurred at 152.5", strips up to 305" may be powered from center
**** 70% brightness due to voltage drop incurred at 143.5", strips up to 287" may be powered from center

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!