**Important Safety Instructions**

- TO REDUCE THE RISK OF FIRE OR ELECTRIC 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 questions on dimming call customer service at 480-941-4286

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**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)

#### Designer Series 10” or 18” Covered LED Panels
(10” or 18” long) x (0.75” wide) x (0.55” thick)

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### 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).

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**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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*Note: For all Inspired LED products, allow 1.5” on each side for connector installation.
**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 1.3 mm outputs
- 12V DC Models available in:
  - 1 Amp
  - 2 Amp
  - 3.8 Amp
  - 5 Amp
- 24V DC Models available in:
  - 3.75 Amp

**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 1.3 mm 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

**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

**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

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### General Power Requirements

<table>
<thead>
<tr>
<th>Power Source</th>
<th>Maximum Length of Flex Strip Lighting</th>
<th>Max Pro Series Panels</th>
<th>Max Designer Series Panels</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Normal*</td>
<td>Super**</td>
<td>Ultra***</td>
</tr>
<tr>
<td>1 Amp (12 Watt)</td>
<td>174&quot; (10.8 Watt)</td>
<td>83.5&quot; (10.8 Watt)</td>
<td>48.5&quot; (10.8 Watt)</td>
</tr>
<tr>
<td>2 Amp (24 Watt)</td>
<td>347.5&quot; (21.6 Watt)</td>
<td>166.5&quot; (21.6 Watt)</td>
<td>97.5&quot; (21.6 Watt)</td>
</tr>
<tr>
<td>40 Watt Dimmable Transformer</td>
<td>580.5&quot; (36 Watt)</td>
<td>278.5&quot; (36 Watt)</td>
<td>162&quot; (36 Watt)</td>
</tr>
<tr>
<td>3.8 Amp (45.6 Watt)</td>
<td>662&quot; (41 Watt)</td>
<td>318&quot; (41 Watt)</td>
<td>184.5&quot; (41 Watt)</td>
</tr>
<tr>
<td>5 Amp (60 Watt)</td>
<td>871&quot; (54 Watt)</td>
<td>418.5&quot; (54 Watt)</td>
<td>243&quot; (54 Watt)</td>
</tr>
<tr>
<td>60 Watt Dimmable Transformer</td>
<td>871&quot; (54 Watt)</td>
<td>418.5&quot; (54 Watt)</td>
<td>243&quot; (54 Watt)</td>
</tr>
<tr>
<td>100 Watt Dimmable Transformer</td>
<td>1451.5&quot; (90 Watt)</td>
<td>697.5&quot; (90 Watt)</td>
<td>405.5&quot; (90 Watt)</td>
</tr>
<tr>
<td>150 Watt Dimmable Transformer</td>
<td>2177.5&quot; (135 Watt)</td>
<td>1046.5&quot; (135 Watt)</td>
<td>608&quot; (135 Watt)</td>
</tr>
</tbody>
</table>

* 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!