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## Armacost Lighting 152230

# Armacost Lighting RibbonFlex Pro 12V White LED Strip Lights (Model 152230) - Instruction Manual

## INTRODUCTION

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This manual provides instructions for the Armacost Lighting RibbonFlex Pro 12V White LED Strip Lights, Model 152230. This LED tape lighting is designed for accent or task lighting applications, suitable for areas such as under kitchen cabinets, vanities, or closet spaces. It offers flexible installation and customizable lighting solutions.

Key features include:

- Full 0-100% brightness control with compatible LED dimmer switches and controllers (sold separately).
- Fully dimmable functionality.
- Approximately 800 lumens light output per meter.
- Ability to cut and/or reconnect the lighting every 2 inches for custom installations.
- Requires a 12-volt DC power supply (sold separately).



Image: Armacost Lighting RibbonFlex Pro 12V White LED Strip Lights, showing the coiled tape light and included connectors.

## SETUP AND INSTALLATION

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Before beginning installation, ensure you have all necessary components, including a 12-volt DC power supply and any desired dimmer switches or controllers (sold separately). Always disconnect power before installation.

### Included Components:

- RibbonFlex Pro LED Tape Light
- One 8-inch Connector (for bridging gaps or making turns)
- One Splice Connector (for joining tape light strips end-to-end)
- Two Wire Support Clips

## INCLUDES:

- 12-volt white tape light
- (1) Wire connector to bridge gaps, make turns
- (1) Splice connector to join strips end-to-end
- (2) Wire support clips



**12-volt power  
supply required**  
*(sold separately)*

**OPTIONAL**  
**Add a dimmer  
or switch**



Image: A detailed view of the RibbonFlex Pro LED tape light along with the included 8-inch connector, splice connector, and wire support clips.

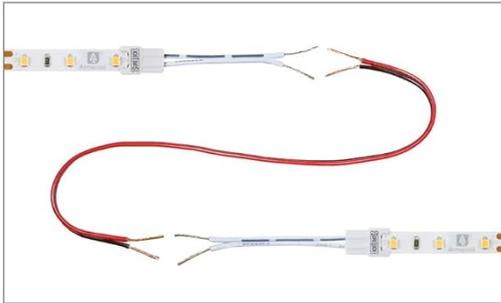
## Installation Steps:

1. **Plan Your Layout:** Determine the desired length and path for your LED strip lights. Consider where the power supply will be located and how wires will be routed.
2. **Cut to Size (Optional):** The LED tape light can be cut every 2 inches at designated cut marks. Use sharp scissors to ensure a clean cut.

# Customize your installation with included connectors

## Wire connector

- Make turns or jump obstacles
- Cut to create two wire leads



## Splice connector

Connect tape light strips end-to-end for longer runs



Image: Demonstrates cutting the LED strip light and using connectors for customization.

### 3. Connectors:

- Use the 8-inch connector to bridge gaps, make turns, or create wire leads.
- Use the splice connector to join two tape light strips end-to-end for longer runs. Ensure correct polarity (+ to + and - to -).

### 4. Mounting: The LED tape light features a 3M™ adhesive backing for easy installation.

- Clean the mounting surface thoroughly to ensure it is dry and free of dust or grease.
- Peel off the protective backing from the adhesive strip.
- Carefully press the LED tape light onto the desired surface. For optimal adhesion, apply firm, even pressure.



Image: Visual representation of the LED strip's features including dimmability, cut-to-size capability, peel-and-stick adhesive, and flexibility.

- 5. Power Supply Connection:** Connect the LED tape light to a compatible 12-volt DC power supply (sold separately). Ensure all connections are secure and observe correct polarity.

Your browser does not support the video tag.

Video: Official Armacost Lighting video demonstrating the features and installation of RibbonFlex Pro LED Strip Lights, including cutting, connecting, and power supply integration.

- 6. Dimmer/Controller Connection (Optional):** If using a dimmer or controller, connect it between the power supply and the LED tape light according to the dimmer's instructions.

## OPERATING INSTRUCTIONS

Once properly installed and connected to a 12-volt DC power supply, your RibbonFlex Pro LED Strip Lights are ready for use.

- Power On/Off:** Use the switch on your 12-volt DC power supply or connected dimmer/controller to turn the lights on or off.
- Dimming:** If a compatible dimmer is installed, adjust the dimmer control to achieve the desired brightness level (0-100%).

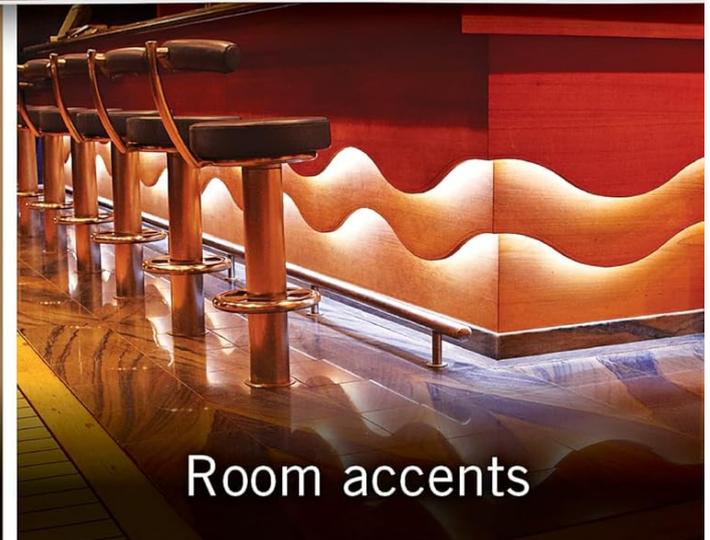
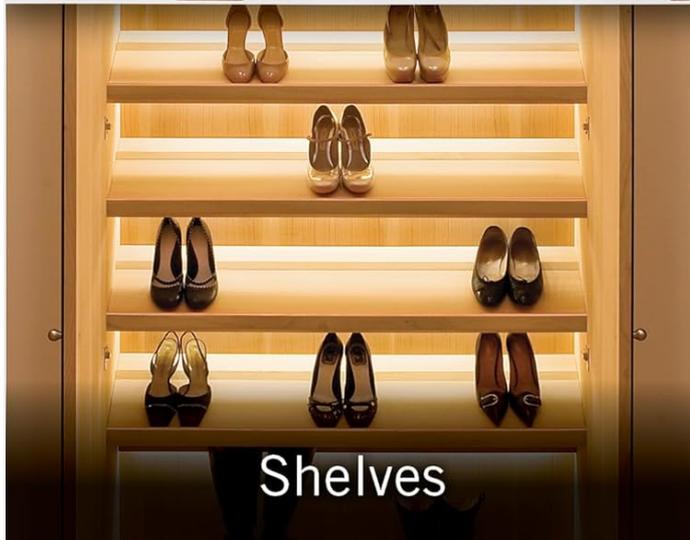
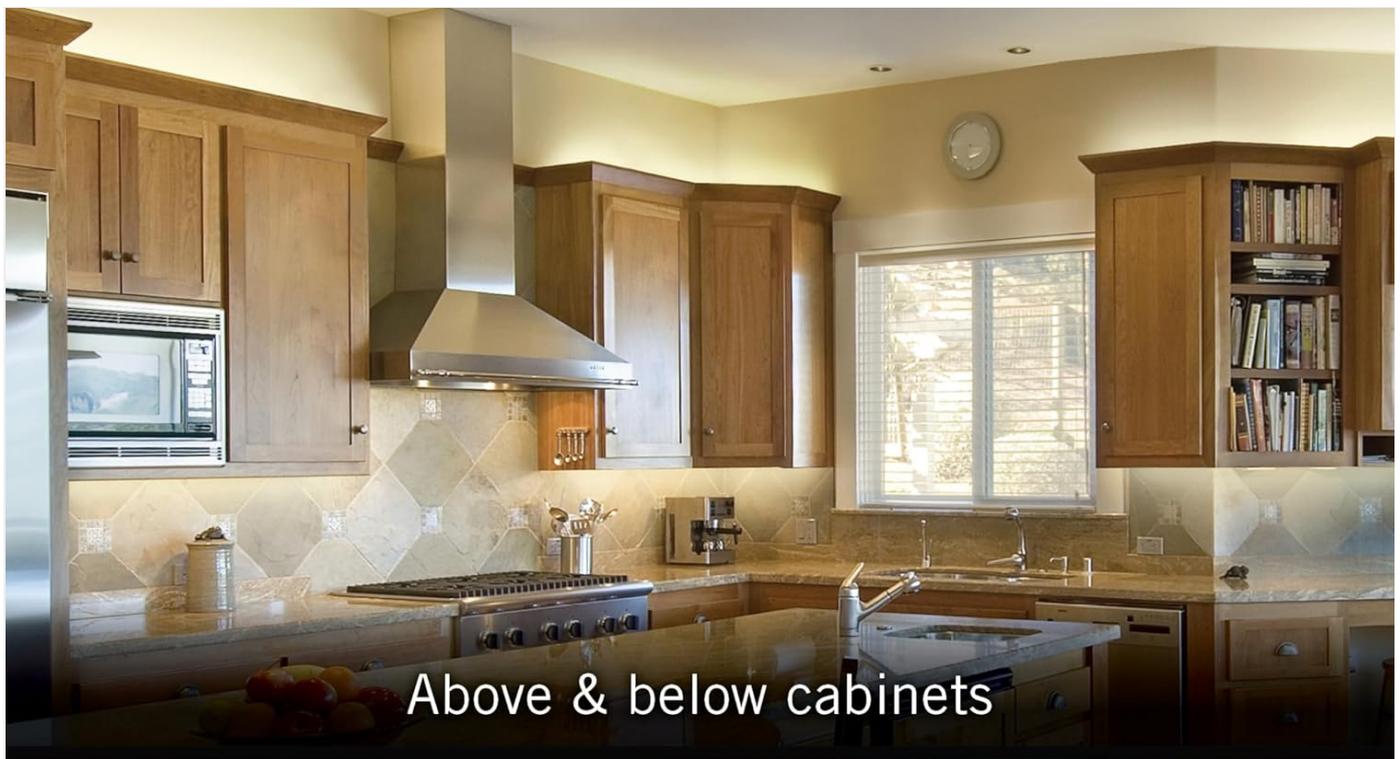


Image: Examples of the LED strip lights installed in various settings, including under cabinets, shelves, and as room accents.

## MAINTENANCE

The Armacost Lighting RibbonFlex Pro LED Strip Lights require minimal maintenance.

- **Cleaning:** To clean the LED strip, gently wipe it with a dry, soft cloth. Do not use abrasive cleaners or solvents, as these can damage the LEDs or the adhesive. Ensure the power is off before cleaning.
- **Inspection:** Periodically inspect the strip for any signs of damage or loose connections.

**Caution: This product is designed for indoor use only. Avoid exposure to moisture or extreme temperatures unless specifically rated for outdoor or wet locations.**

## TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Lights do not turn on.	<ul style="list-style-type: none"> <li>No power to the power supply.</li> <li>Loose connection.</li> <li>Incorrect polarity (+/-).</li> <li>Faulty power supply or dimmer.</li> </ul>	<ul style="list-style-type: none"> <li>Check if the power supply is plugged in and receiving power.</li> <li>Verify all connections are secure.</li> <li>Ensure + and - terminals are correctly matched.</li> <li>Test with a known working power supply or dimmer.</li> </ul>
Lights are dim or flickering.	<ul style="list-style-type: none"> <li>Incompatible dimmer.</li> <li>Power supply is overloaded.</li> <li>Loose connection.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure dimmer is compatible with 12V LED lighting.</li> <li>Verify the power supply wattage is sufficient for the total length of LED strip.</li> <li>Check all connections.</li> </ul>
Only a section of the strip is lit.	<ul style="list-style-type: none"> <li>Damage to the strip.</li> <li>Faulty connection at a cut point or connector.</li> </ul>	<ul style="list-style-type: none"> <li>Inspect the unlit section for visible damage.</li> <li>Re-check connections at the nearest cut point or connector before the unlit section.</li> </ul>

## PRODUCT SPECIFICATIONS

Feature	Detail
Model Number	152230
Brand	Armacost Lighting
Color Temperature	4000K Bright White
LED Density	60 LED/m
Item Length	16.4 ft (5 meters)
Voltage	12 Volts (DC)
Wattage	28 watts
Luminous Flux	~800 lumens per meter
Indoor/Outdoor Usage	Indoor
Material	Copper
Special Feature	Long-Lasting, Dimmable
UPC	850080006030



Image: Comparison of LED densities (30, 60, 120 LEDs/meter) and various color temperatures (2700K to 6500K).

## WARRANTY INFORMATION

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This Armacost Lighting RibbonFlex Pro LED Strip Light comes with a Limited 3-year warranty. For specific terms and conditions, please refer to the official Armacost Lighting website or contact customer support.

## CUSTOMER SUPPORT

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For further assistance, technical support, or warranty claims, please contact Armacost Lighting customer service. You can find contact information and additional resources on the official Armacost Lighting website.

Website: [www.armacostlighting.com](http://www.armacostlighting.com)

