Choose the right power supply for your LED lighting needs

Armacost Lighting’s RibbonFlex Pro LED tape lighting and LED cabinet down lights operate on 12-volt DC constant voltage power and require an AC to DC transformer 12V power supply. Never connect low voltage LED lighting directly to 120V AC household power.
Note: RV, boat and solar applications can be powered directly by 12V DC battery – a power supply is not needed.

For help choosing a power supply for white LED lighting, see this [document](http://armacostlighting.com/documents/choosing-a-power-supply.pdf).

RGB Custom Color Changing LED lighting

If installing RGB Custom Color Changing LED lighting, choose a [Standard Electronic Power Supply](http://www.armacostlighting.com/store/product-category/standard-electronic-power-supplies/) with sufficient output to power your LED lighting. You will also need an [RGB Color Controller](http://www.armacostlighting.com/store/product-category/controllers/).

White LED lighting, without a dimmer

If you are installing white LED lighting, and do not plan to add a dimmer to control brightness, choose an Armacost Lighting [Standard Electronic Power Supply](http://www.armacostlighting.com/store/product-category/standard-electronic-power-supplies/).

*If you later decide you want to dim your lighting, you can easily add an [Armacost Low Voltage Dimmer](http://www.armacostlighting.com/store/product-category/led-dimmers/dimmers/) when using a Standard Electronic Power Supply.*

White LED lighting, using a dimmer

If you want to control the brightness of your LED lighting, the power supply you need is dependent on the type of dimmer you plan to use in your installation. If you are already familiar with the installation and application advantages between low voltage 12V DC and 120V AC LED dimming, you can choose from the Armacost power supply options found below.

**To learn more about the differences between these power supplies, types of dimmers, and what may be your best installation option based on your application, visit**[**LED Dimming Basics**](http://www.armacostlighting.com/store/led-dimming-basics/)**.**