



## LEDTask™ LTR300 Series LED Ribbon and LTB LightBar series for LTH series hardwire power supplies

**\*MAKE SURE LEDTask AMPERAGE DOESN'T EXCEED POWER SUPPLY\***

### **Make all connections and test system before installing**

The LED Ribbon & LightBar can be mounted on almost any surface. Please be sure that the surface is clean and free from any oil.

#### **RIBBON**

1. **Cutting the LED ribbon to desired length:** Using scissors the LED ribbon can be cut on the clearly marked cutting line which is located every 3 LEDs except where the solder drops are located on the ribbon. The solder is located every 19-1/2 inches on the ribbon. Making a cut on the solder or anywhere else on the ribbon except on the cutting line will damage the ribbon and it will not operate.
2. **Making Your Connections:** Included in each package of LED ribbon are (3) LTW-24 Ribbon to Power Supply connectors. (1) LTW-24 is connected to the start of the ribbon; an LTW-24 does not need to be connected for the first run.

**Connecting the LTW series ribbon to power supply connectors and LTC series ribbon to ribbon connectors to the cut piece of LED ribbon:** Peel back a small length of the brown paper backing from the end of the ribbon that will be attached to the LTW/LTC series connector, this will expose the 3M adhesive on the back of the ribbon which is used to stick the ribbon to the desired surface. Lightly pull back the small black plastic bar from the connector. Take the ribbon and fully insert it into the connector making sure that the small black plastic bar on the connector is located on the back adhesive side of the ribbon. **NOTE:** It is very important to make sure the small black plastic bar is located on the back adhesive side of the ribbon as cut lengths of ribbon can be inserted backwards into the connectors causing reverse polarity and the ribbon will not light up. Always keep the ribbon in the same orientation throughout your application. (+) and (-) are clearly marked on the ribbon. Lightly push bar back into place. This will self crimp the connector to the ribbon. The ribbon is now ready to be connected to the Power Supply.

#### **LightBar**

1. **Cutting the LED LightBar™ to desired length:** Using scissors or a sharp razor blade the LED LightBar™ can be cut on the clearly marked cutting line which is located every (3) LEDs. Cutting the LightBar™ anywhere else except on the cutting line will damage the LightBar™ and it will not operate. **NOTE: (The piece of bar left over from your cut CANNOT be used - keep this in mind when designing the layout).**
2. **Connecting the LTBPC series LightBar™ to power supply connector and LTBC series LightBar™ to LightBar™ connectors:** Plug the LTBPC series connector directly into the end of the LightBar™ making sure the positive (+) and negative (-) wires are matched to the positive (+) and negative (-) sides of the LightBar™ which are clearly marked on all the LightBars. **Note: This is very important as the connectors can be plugged into the LightBar™ from either end. Plugging the connector into the wrong end will cause reverse polarity and the LightBar™ will not operate.** Always keep the LightBars in the same orientation throughout the layout. The LightBar™ is now ready to be connected to the Power Supply.

#### **MOUNTING LEDTask Ribbon and LightBar**

Make sure the mounting surface is clean and free from any oil.

Beginning at the end of the Ribbon/LightBar™, lightly pull the paper backing off. This will expose the adhesive on the back of the Ribbon/LightBar™. Carefully apply to the surface using as little pressure as possible. When the Ribbon/LightBar™ is in place apply a small even amount of pressure to the Ribbon/LightBar™. **AVOID PUTTING PRESSURE DIRECTLY ON THE LEDs.**