GMLighting

LEDTask™ LTR150 RGB LED Ribbon Series Installation Instructions

MAKE SURE LEDTask™ AMPERAGE DOESN'T EXCEED POWER SUPPLY

Make all connections and test system before installing

1) The RGB LED Ribbon can be mounted on almost any surface. Please be sure that the surface is clean and free from any oil.
2) **Cutting the RGB LED ribbon to desired length:** Using scissors the RGB 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 (*Fig. 1*). 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.
3) **Connectors:** Included in each package of RGB LED ribbon are (3) RPS-24 Ribbon to RGB Controller connectors and (1) RPS-24 affixed to the start of the reel of ribbon. RTR series Ribbon to Ribbon Connectors are sold separately.
4) **Limits: Each RGB LED Reel (LTR150-RGB) is 36 watts per reel** and must be wired directly back to the controller (LTRGB-CNR) to avoid any voltage drop. Do not connect two or more RGB LED reels together on one run. This can cause blinking, lower light levels and possible damage to the LEDs.

**** FOR APPLICATIONS REQUIRING 5 OR MORE RGB LED REELS, PLEASE CONSULT FACTORY ****

Connecting the RPS series ribbon to RGB Controller connectors and RTR series ribbon to ribbon connectors to the cut piece of RGB LED ribbon: Peel back a small length of the brown paper backing from the end of the ribbon that will be attached to the RPS/RTR 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 (*Fig 2*). Lightly pull back the small black plastic bar from the connector (*Fig 3*). 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 (*Fig 4*). **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 (RGB) are clearly marked on the ribbon (*Fig 5*). Lightly push bar back into place (*Fig 6*). This will self crimp the connector to the ribbon. The ribbon is now ready to be connected to the RGB controller (LTRGB-CNR).

MOUNTING RGB LED Ribbon. Make sure the mounting surface is clean and free from any oil. Beginning at the end of the ribbon, lightly pull the paper backing off (*Fig 2*). This will expose the adhesive on the back of the ribbon. Carefully apply to the surface using as little pressure as possible. When the ribbon is in place apply a small even amount of pressure to the ribbon. **AVOID PUTTING PRESSURE DIRECTLY ON THE LEDs.**

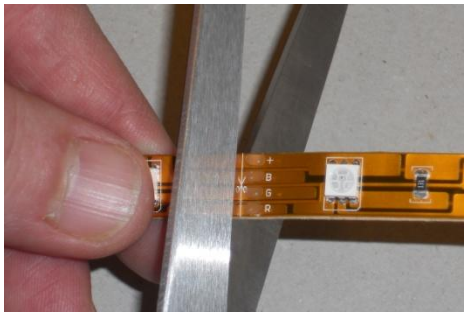

Figure 1

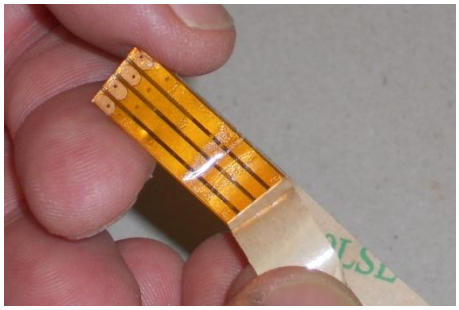

Figure 2

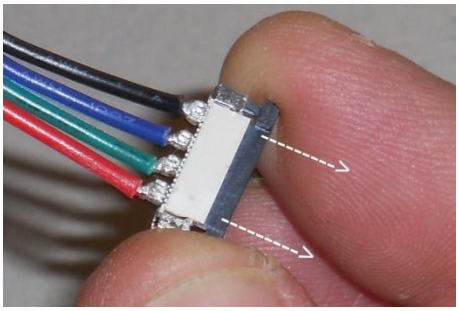

Figure 3

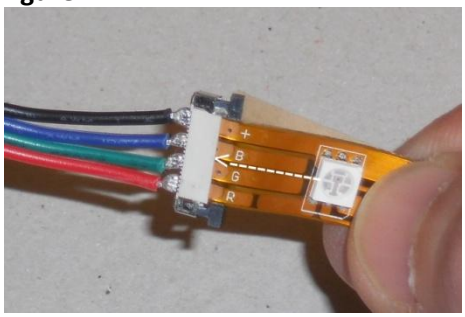

Figure 4

Figure 5

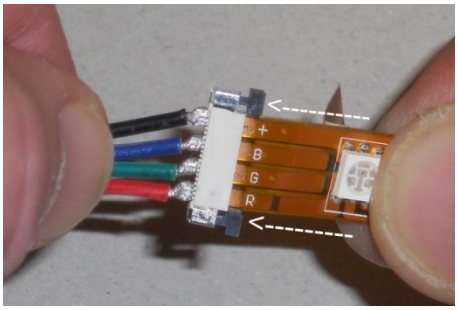

Figure 6

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