

LED 4-Wire (Rectangular Flexbrite)

Safety instructions for LED-4WR Series

WARNING: These products may represent a possible shock or fire hazard if improperly installed or attached in any way. Products should be installed in accordance with these instructions, current electrical codes and/or the current National Electric Code (NEC).

WARNING: To avoid electrical shock, disconnect or disable power at the source prior to installation or maintenance.

IMPORTANT SAFETY INSTRUCTIONS

1. All units must be unplugged before installing or servicing in any way.
2. Do not route cords or units through walls, doors, windows or any similar part of a building structure.
3. When using outdoors, all connections and caps should be tightly secured with silicone or the like to preclude the entrance of water. Controller (if applicable) must be secured in a weatherproof enclosure when used outdoors.
4. Do not use if there is any damage to the unit or power cord's insulation. Inspect periodically.
5. Do not submerge in water or liquids. Do not use in the vicinity of standing water or liquids.
6. Secure units using clips and/or track designed for this product. Do not secure unit or its power cord with staples, nails or the like that may damage insulation.
7. Do not subject the product to continuous flexing.
8. Do not exceed the maximum run of 200 feet for "all on" applications OR the maximum run capacity for the controller, or power cord rating whichever is less.
9. This product has a polarized plug (one blade is wider than the other) as a safety feature to reduce the risk of electric shock. This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet reverse the plug. If it still does not fit contact a qualified electrician. Never use with an extension cord unless plug can be fully inserted. Do not alter the plug.

WARNING: When using outdoors, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following:

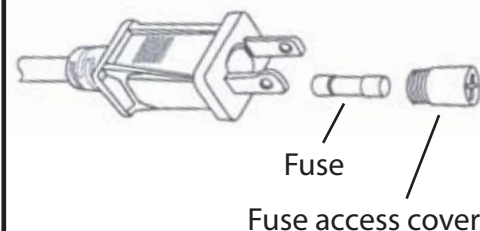
1. Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuit(s) or outlet(s) to be used for outdoor use or light rope. Receptacles are available having built-in GFCI protection for this measure of safety.
2. Use only outdoor extension cords, such as type SW, SOW, STW, STOW, SJW, SJOW, SJTW, or SJTO. This designation is marked in the wire of the extension cord. AC 120V, 60Hz max.

This plug contains an electrical fuse as a safety feature (for single color LED 4-wire).

To replace the fuse (See figure 1):

1. Disconnect power before replacing the fuse.
2. Grasp plug and remove from the receptacle or other outlet device.
3. Do not unplug by pulling on the cord.
4. Unscrew the fuse access cover on the top of the attachment plug.
5. Remove old fuse carefully.
6. Never attempt to replace the fuse with a higher wattage fuse.
Use only 5 amp 120V fuse. Failure to do so may be a fire hazard.
7. Set new fuse in holder.
8. Reinstall the fuse access cover.

Figure 1



LED 4-Wire (Rectangular Flexbrite)

Installation instructions for LED-4WR Series

CONNECTING POWER TO LIVE END (FOR SINGLE COLOR LED 4-Wire):

NOTE: THIS PRODUCT IS POLARIZED (MEANING IT WILL ONLY WORK WHEN POWERED AT THE LIVE END)

1. Determine which end of the LED 4-Wire is the live end. It is the end that is pre-stamped with the text (see Figure 2) "AMERICAN LIGHTING 120v DC 7.2 WATTS PER METER". For 24V product, see below.
2. Insert barbed end of power connector pin into LED 4-Wire being sure to align pins with end of the conductors (see Figure 3). Push pins into LED 4-Wire as far as possible without using tools (about halfway). Although it requires significant force to insert powerpin connector in to the LED 4-Wire, the use of tools may result in damaged or broken parts.
3. Place shrink tube over live end of 4-Wire and slide back 4 inches or more to allow room to proceed.
4. Orient power pin connectors with same orientation as holes in power cord sheath, as shown in Figure 3, and insert live end of rope light with attached pins into power cord end, pushing hard while rocking LED 4-Wire and cord back and forth to make a secure connection.
5. Slide end cap completely onto opposite end of flexbrite.
6. Attach to power source and verify that connection is secure. If LED 4-Wire fails to light completely, check for proper connections, repeating steps 2-4 and re-test. If Flexbrite fails to light at all, check power source.
7. Slide shrink tube over power cord end, overlapping equally over LED 4-Wire and power cord sheath.
8. Using a heat gun, carefully apply heat to shrink tube. Warning: Shrink tube and assembly will be hot! Allow to cool before handling or mounting.

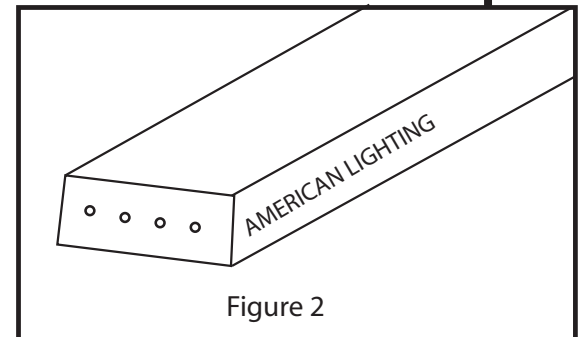


Figure 2

CONNECTING CONTROLLER TO COLOR-CHANGING LED 4-Wire

1. Follow steps 1-8 above, except in this case the power cord sheath will be attached to the controller rather than a grounded plug.
2. Using instructions on top of the controller (LED-4WR-3/6) select fade or stop options and dial desired speed.
3. If the LED-4WR-50CTRL controller is used, select desired mode by pressing pushbutton on controller and cycling through functions.
4. If you need a DMX compatible controller, use LED-4WR-490CTRL. Instructions are included with controller.

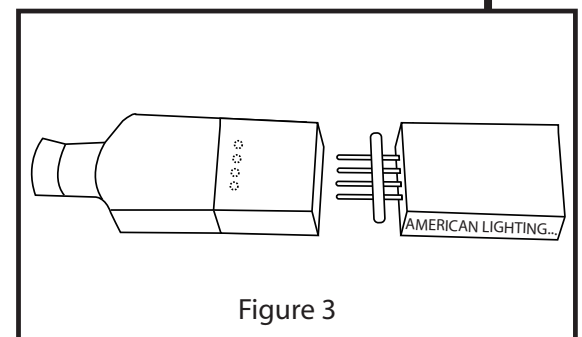


Figure 3

24V LED 4-WIRE

NOTE: If the 4-Wire is marked as 24V product, do NOT plug it into a 120V AC outlet!

1. Follow steps 1-8 at top, except for single color LED 4-Wire, cut off plug and attach to 24V power supply. Do not cut cord so short that you cut off the inverter (lump on cord)! The inverter is required to maintain DC current for the LEDs and to prevent "AC flicker".
2. For color changing 24V LED 4-Wire, follow steps above and be sure to connect the controller to a 24V power supply. Do not apply 120V current to the 24V controller!

MOUNTING

Mounting track (LED-4WR-TRACK) and mounting clips (LED-4WR-CLIP) are available (sold separately) for mounting LED 4-Wire. Each is sold separately.

