




L.E.D. RGB LIGHT DRIVER INSTALLATION

Part # 7ELECTPWRTFR000X

Electrical Specs:

RGB L.E.D. Light Strip.....	24VDC
Power Supply.....	120VAC-4.2AMPS
Controller.....	100 Watts

Suggested Installation Tools and Materials

- | | |
|---|--|
| <input checked="" type="checkbox"/>  2 or 3 Conductors #14 AWG Low Voltage Cable | <input type="checkbox"/> Wire Stripper and Wire Ties |
| <input type="checkbox"/> 6' Step Ladder | <input type="checkbox"/> Water Proof Wire Nuts |

Notes and safety Symbols

Where necessary, important points will be highlighted in this manual, using the following symbols:



NOTES: PROVIDES FURTHER INFORMATION!




STOP! PRECAUTION TO TAKE TO AVOID EQUIPMENT MALFUNCTION OR ERROR!

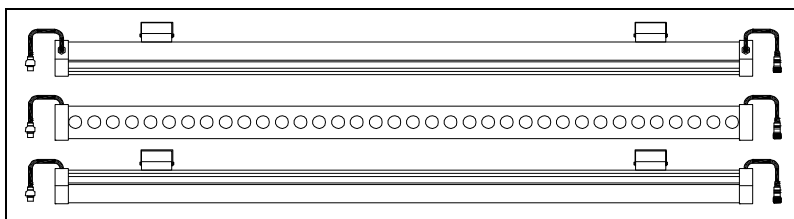


WARNING! DANGEROUS SITUATION WHICH MAY CAUSE EQUIPMENT DAMAGES, PERSONAL INJURIES OR FATALITIES!

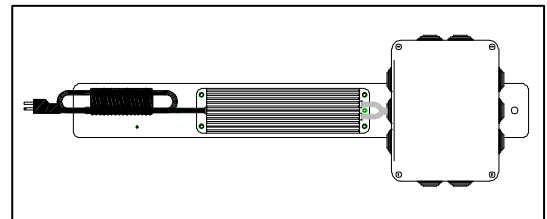
Always follow all “Notes”, “Warning” and instructions. Not doing so may have serious consequences on the overall performance of the equipment and/or the safety of the people working on the equipment!

Installation Procedures:

-  **Upon** receiving your MCWW Light Kit, open the box and verify that you have all the required components as well as there are no damages to the equipment. Verify also that you have all your installation material.

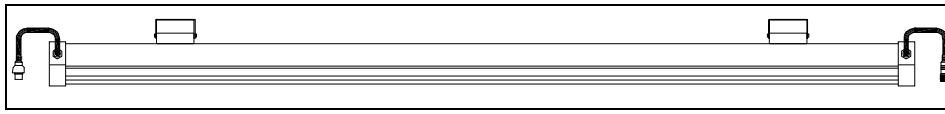


Pic #1: RGB LED Light Strip



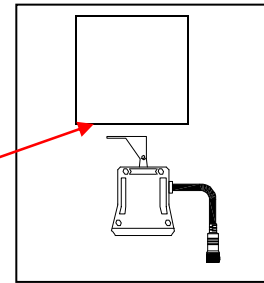
Pic #2: RGB LED Driver Assy

- **Your MCWW RGB LED Light** can be mounted on an array of different stand or legs. Using the mounting bracket supplied with the lights, secure the RGB's to your equipment.



Pic #3: RGB LED Light Strip

SECURE BRACKETS TO THE EQUIPMENT

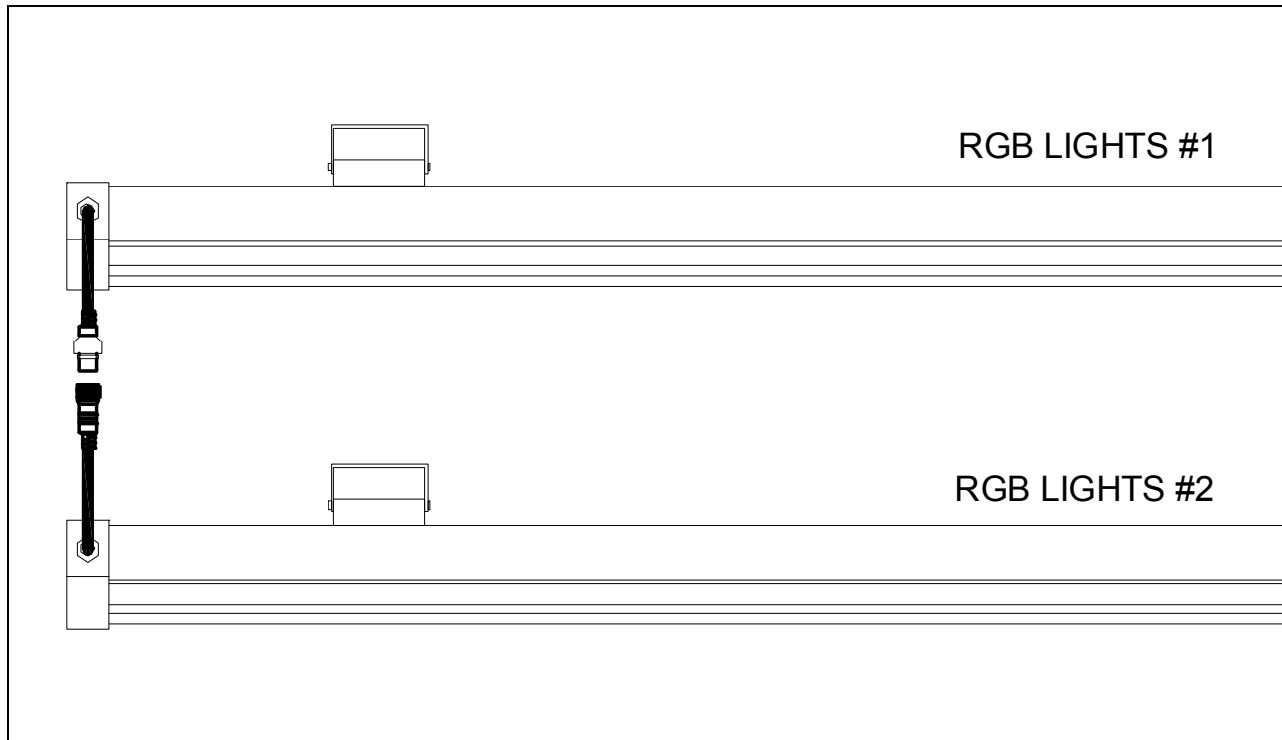


Pic #4: RGB LED Light Bracket



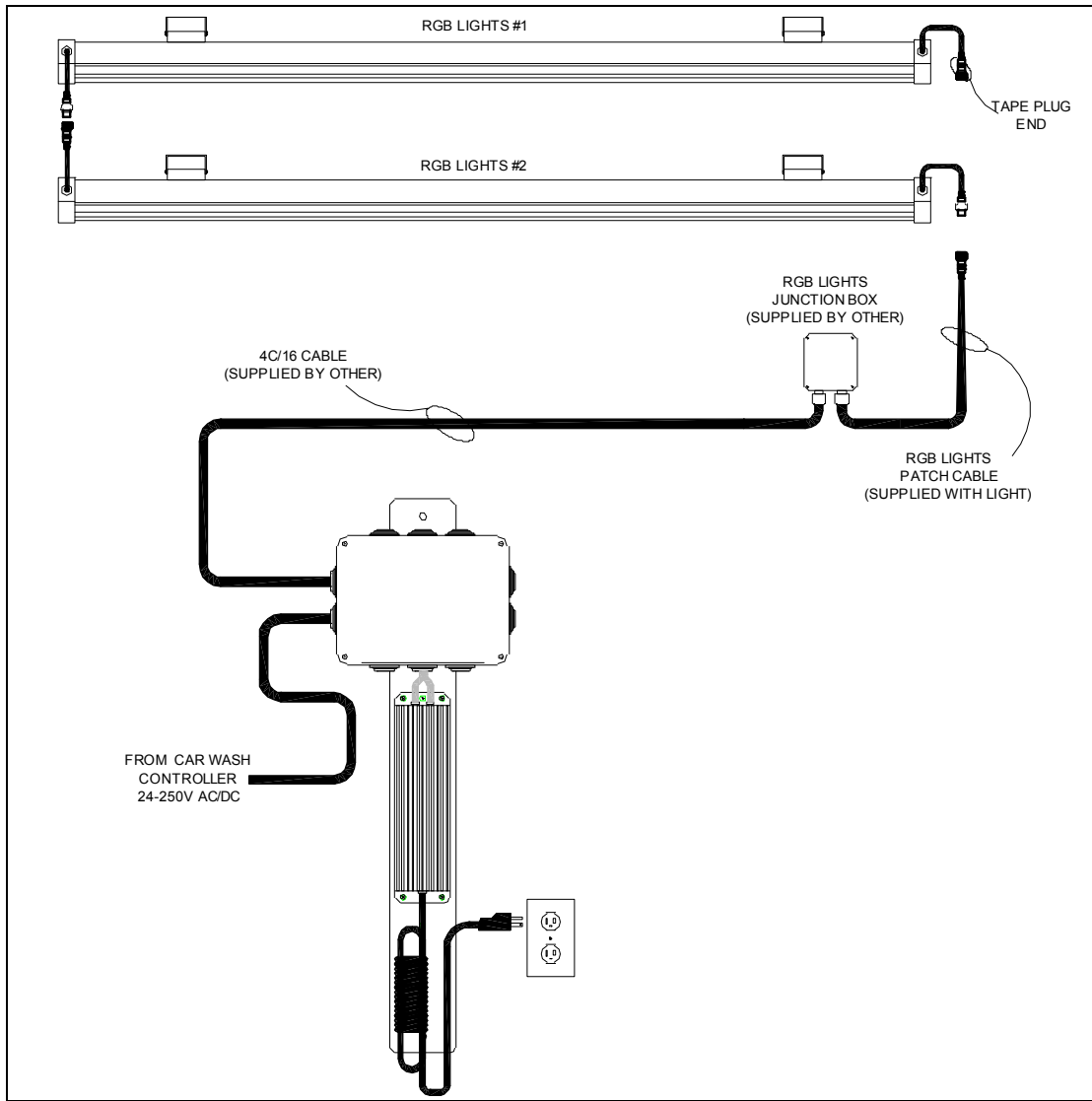
NOTES:

POSITION THE LIGHT CLOSE ENOUGH TO CONNECT (DAISY LINK) THE TWO LIGHT TOGETHER USING THE PLUGS COMING OUT OF EACH LIGHT

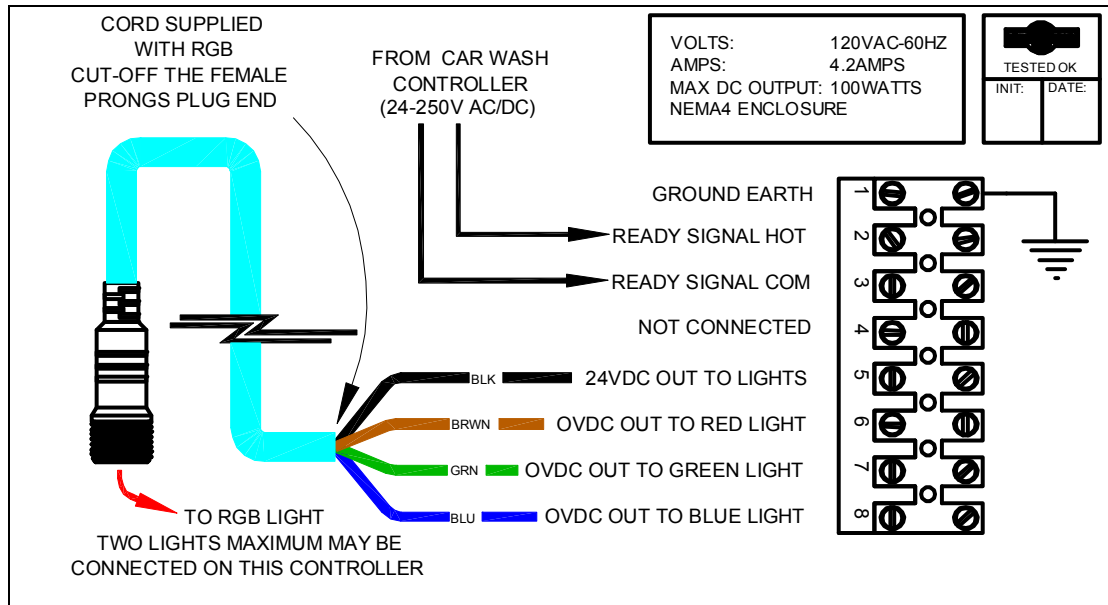


Pic #5: RGB Lights Daisy Link Together

- **Your** may use one of the provided patch cable to extend the cable between the two lights if the lights are located far from each other.
- **Mount** the Driver assembly to the wall in the mechanical room or in a dry area. Using the schematic picture #6, pull a cable from the driver to the light area and connect to a junction box close to the male plug and of the RGB light. Cut one of the patch cable and connect in the junction box like shown in picture #7.

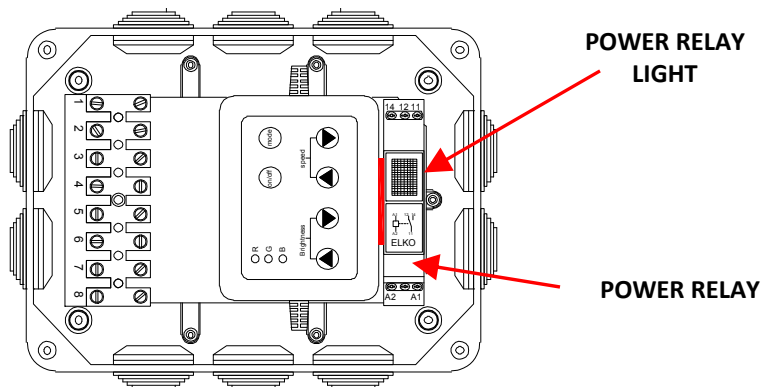


Pic #6: RGB Lights Wiring Diagram



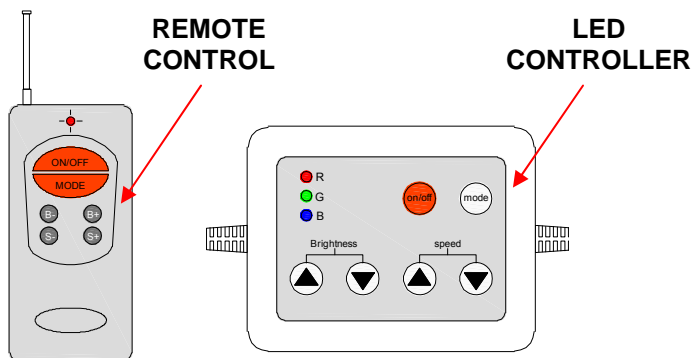
Pic #7: RGB Driver Connection Diagram

- Pull** a cable from your car wash controller and connect to the drivers junction box (see Picture #7). The signal from your car wash controller can be anything from 24 to 250 volts AC or DC
- Test** your system by turning ON the car wash controller output to the driver unit. Observe the **POWER RELAY** light turned ON (see Picture #8).



Pic #8: RGB Driver Power Relay

- Your LED RGB LIGHTS DRIVER ASSEMBLY** comes with hand held remote control (located in the Drivers Junction Box) controlling the RGB LED light patterns (see Picture 9).
- Using** the “**MODE**” button (on either the LED controller in the control box or using the hand held remote unit) you may change the pattern and the resulting color in which the three colors (RED, GREEN and BLUE) will be lighting on the sign as well as the vinyl strip. Use the BRIGHTNESS and the SPEED button as needed.



Picture #9: LED Controller

- Observes** the LED lights changing pattern and/colors. If the lights do not turned ON after the output is turned ON while the POWER RELAY light is ON, verify wiring and polarity.

Warranty and Return Procedure:

Motor City Wash Works warrant this product to be free of defect in material and/or workmanship for a period of **one year** from the date of the purchase by the customer from MCWW. During the warranty period MCWW will at its discretion, at no charge to the customer, repair or replace this product if found defectives, with a new or refurbished unit, but not to include costs of removal or installation. Any product returned to MCWW for warranty has to have a **Return Material Authorization Number**. All shipping cost to MCWW is assumed by the customer. This is only a summary of **MCWW Limited Warranty**. Please, communicate with MCWW for our complete warranty. **Prior** to returning any product to MCWW, the customer must call in for **Return Material Authorization Number** and a copy of our **Return Material Authorization** Form filled and completed. The **RMA** number must be written clearly on the outside of the shipping package and copy of the form must be included in the package.