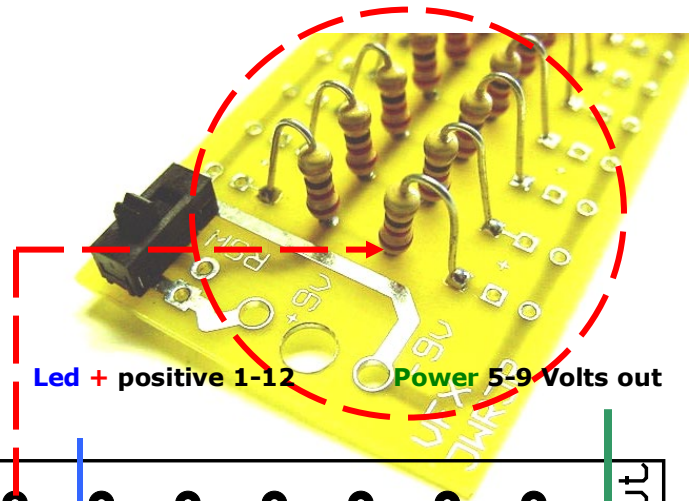
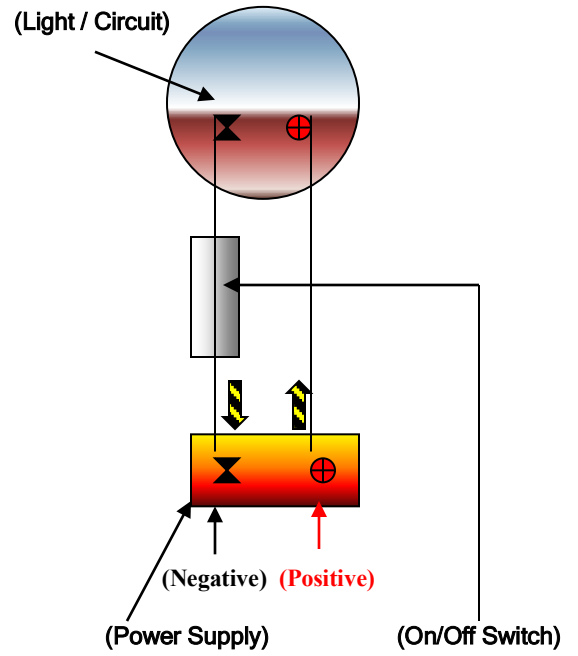


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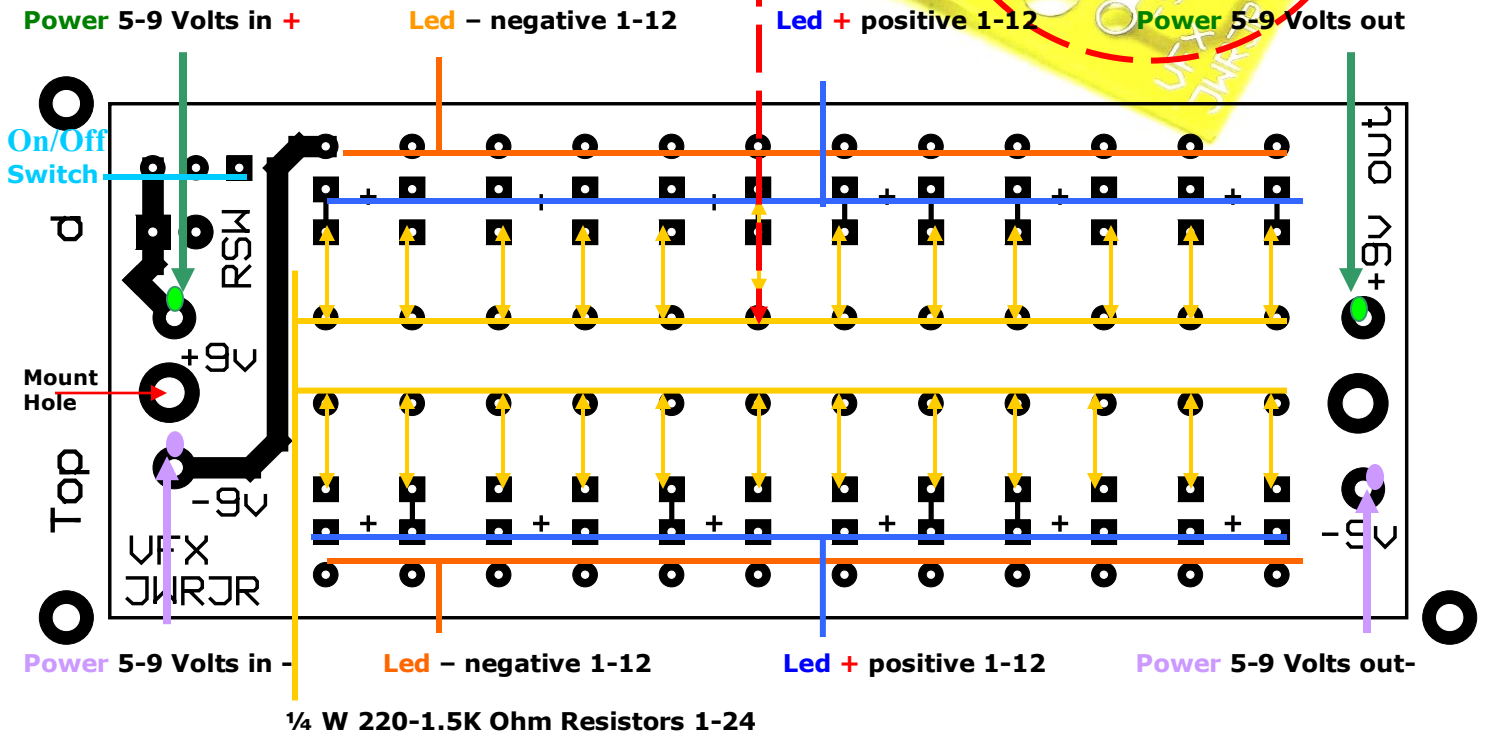
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(General Switch Diagram)



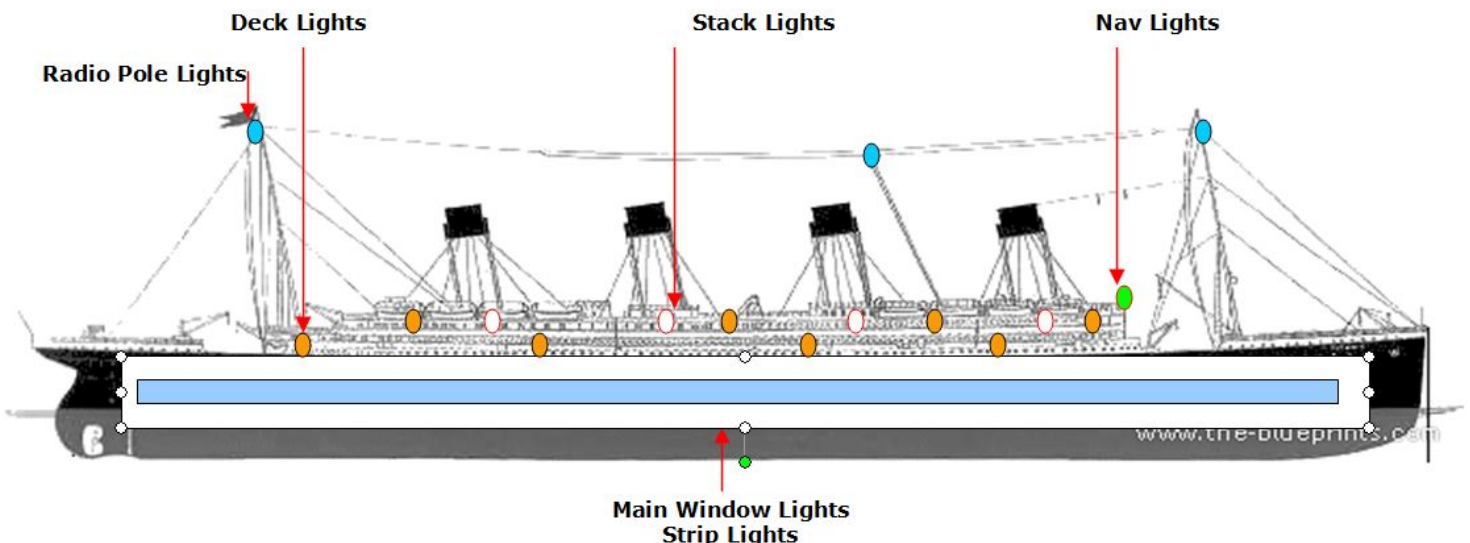
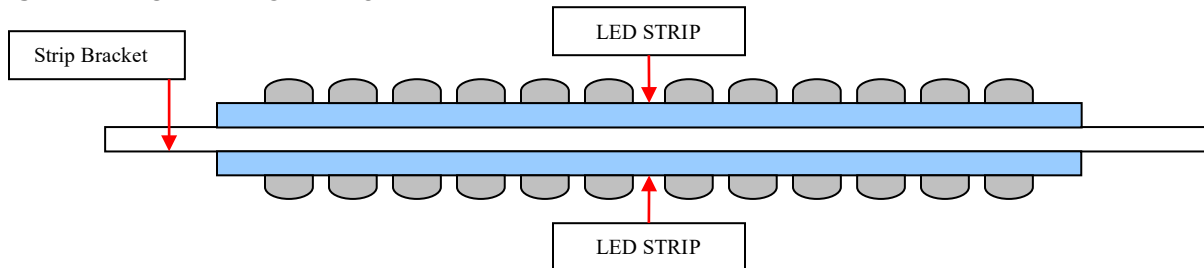
(Main Driver Board Top Side - Diagram A)



INSTRUCTION VER II:

Start by studying the circuit board diagrams & strip light hook ups. There are many ways to light this model & different effects that can be achieved. After readying through the instructions the first thing you will need to do is drill out the small side passenger port window lights, I use a pin vise with a #64 drill bit. There are many window holes in the model kit, I suggest a random placement for the best look **"LESS IS MORE"** in this situation. Next you will need to scratch build a led strip support bracket to hold the strip down the center of the main lower hull section. You need to keep in mind that it will need to clear the upper main deck area other wise the deck sections will not fit in place on the model. Once you have bracket placed permanently in the lower hull, run the white strip on each side of the bracket holder, pre wire the power leads for the strip before mounting. Now your ready to apply the diffusion material to the inside of the window areas you pre drilled. Use a small amount of hot glue to anchor the diffusion to the hull, cut where need for the windows. After all the diffusion is in place power up the strip to see if there are any areas that need more diffusion or you want to add more widow lights. Now on to the stack & state room lighting, there are 8 lights used for the stack lights, four per side mounted in the center of each stack. You will need to drill out holes 3.0MM in size for each location, the holes can be a little over sized to give angular placement of the light. Each stack light is slightly angled about 10 degrees towards to the center of the stack, this will produce even up lighting, if its pointed it straight up you will not be able to capture the full stack. When you hooking up the leds to the board use the 1.5K Ohm resistor on board to power these lights, using the 220 ohm will be to bright for the soft effect. Next the state room lights & nav port & starboard lights. In the kit there are 4.8 mm leds in warm white, these will take care of any state room lighting, I would use a combo of 220 ohm resistor & 1.5K resistors on the board to create a soft & bright effects in each zone, use diffusion where desired. Navigation lights are located port & starboard upper wheelhouse or bridge in the upper forward corners above the window. There are 2 variations that can be used depending on the scale of kit, 1.8mm Red & Green and 3.0mm Red & Green, these are also best used with a 1.5K Ohm resistor on the circuit board. The finial areas are the radio tower poles & radio wires. Its best to again use the 1.5K ohm resistor to create a duller effect. The best way to blend the wires into the pole is by painting them out to match the pole & wire, there are one on each pole. Mount in desired location & run the wires back to the circuit board for power hook up. Ok now that you have the lower sections figured out and pre built the lighting you can start carefully assembling the remaining deck & any other parts to the ship. Much of the model sections can be pre built & painted before closing the model up, if possible its best to leave some kind of access back into main hull incase of lighting burn out or a short. The lighting kit comes with a DC Power jack that can be mounted on the lower main hull or you can run a power wire into a base box for hook up. As your going through the build & lighting process it is a good rule of thumb to pre test each zone as you go. Please contact us direct for any questions regarding the lighting & fitt work of this model lighting kit build. Good luck with your project.

HULL STRIP BRACKET DIAGRAM TOP VIEW:



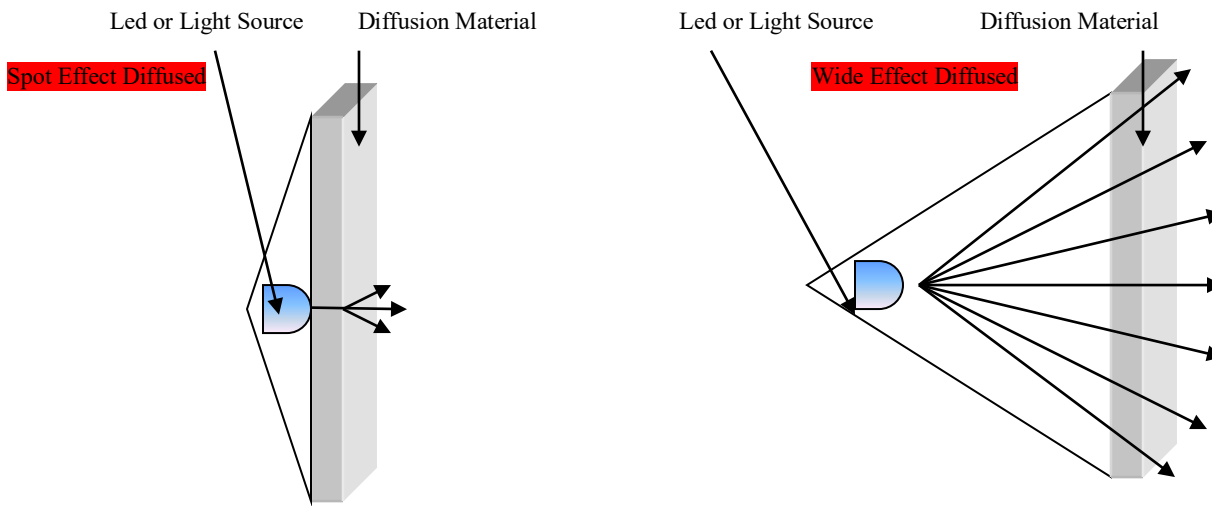
LED STRIP LIGHT INSTRUCTION:

- 1-Start by unpacking led strip light and reading all instructions.
- 2-Locate all areas where leds will be used for lighting.
- 3-Study diagram below for power hook up and configuration.
- 4-Led strip can be cut ever third led & reattached in different areas.
- 5-Solder power leads to strip & main power supply, test.
- 6-Use a regulated wall power supply only.
- 7-Peel off sticky back and mount strip in desired location.
- 8-Never mount to metal surfaces.
- 9-For added insurance use a small amount of hot glue or mini tie for mounting.
- 10-Pre test all lighting areas before closing any areas.

(Note) Leds can be cut ever three leds on the cut line area and re solder to another section of strip lighting.

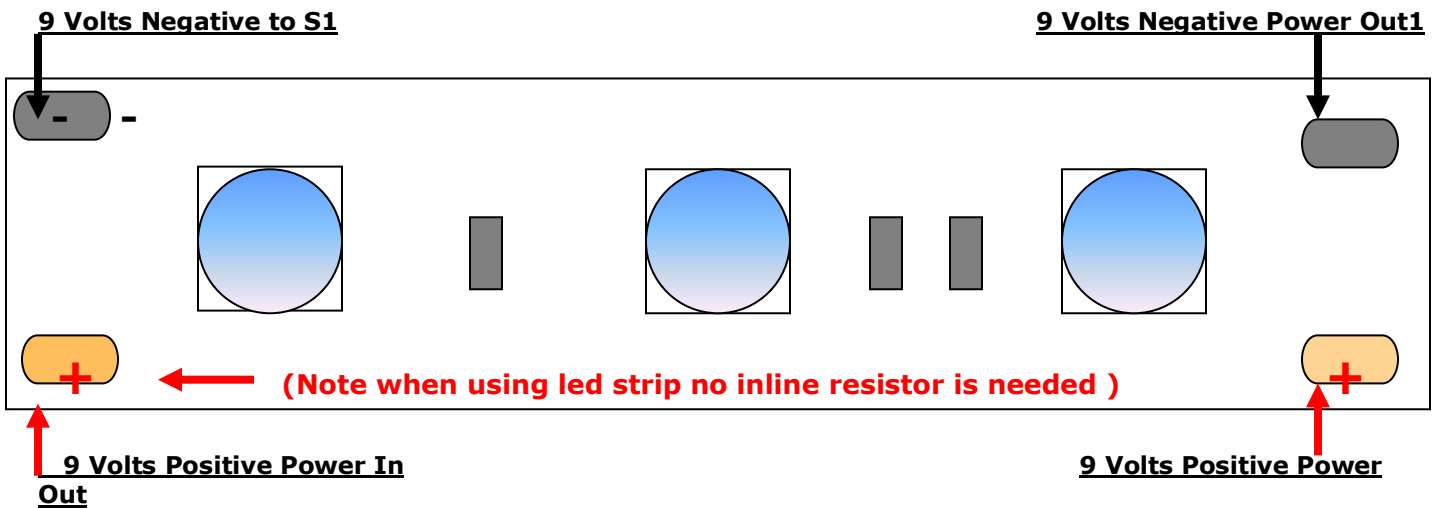
(Information About Diffusion)

Light diffusion can create many different effects depending on focal point of a main light source. The closer the material is to the main light, will give a tight hot spot in the middle of the material but still be diffused. The farther the material is from the main light, will give an even and flat effect and light most of the general area. Try different placement of the material to reach the desired effect, hot glue in place and test effect. Look at diagrams bellow to get an idea of what effect you're looking to get. Call us if you have any questions 1-650-568-3400

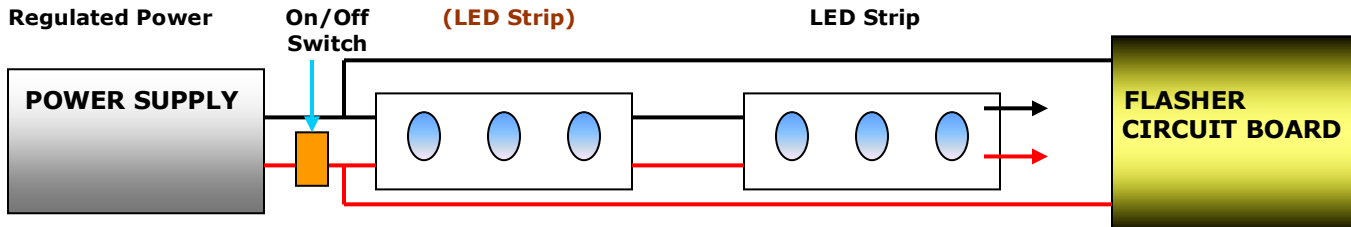


(You can cut led strips ever 3 leds and re join them with a piece of wire. The 12 volts positive is marked on the strip.)

LED LIGHT STRIP DIAGRAM 5050:

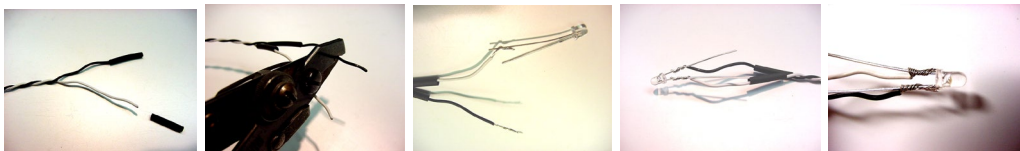


LED LIGHT STRIP DIAGRAM WITH ADD ON'S:



(How to Make a Wired Led)

- 1- Separate the two wires. Pick what color will be positive+ and what color will be negative-.
(Example) Lighter color is positive+, darker color is negative-. This will apply to any color, you make the choice.
- 2- Slide on two pieces of shrink tubing 1/8 - 1/4 "long, Slide past area where wire coating will be striped off.
- 3- Strip back the protected coating and expose the bare wire, 1/8 - 1/4" is about enough to wrap around the led leads. Twist bare wire together until it is a tight, stray wire or fray will get in your way later, the tighter the better.
- 4- Wrap wire around led leads and slide forward to led base. Solder and cut off excess leads.
- 5- Slide shrink tubing over soldered wire and led, heat shrink tubing to finish process.



Please Do Not Contact Distributor

If you are having problems call VoodooFX.

Phone 650-568-3400 M/F 8-5 pm P.S.T

Email fxshop@yahoo.com

- VoodooFX is not responsible for improper installation. There are no refunds on electrical parts or components. All sales are final. Batteries not included. **WARNING:** To guard against injury, basic safety precautions should be observed, including the following: 1. Read and follow ALL safety warnings, instructions and notices. 2. Do not use equipment for other than its intended purpose. 3. Do not alter design or construction. 4. **DANGER:** To prevent the risk of severe or fatal electrical shock. Always disconnect power before performing any maintenance. 5. Do not operate if power cord or plug is damaged. 6. Electrical power supplied MUST match power requirements listed. 7. **CAUTION:** Do not operate without proper electrical ground.

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