LED lamps can be wired in series or parallel circuits. A series circuit should be limited to 3-4 lamps. Be sure to maintain correct polarity when wiring, red wire to positive and white wire to negative power terminals. The LED lamp lead wires are 34 gauge, but we recommend using a heavier 26 or 28 gauge for feed wires. LEDs are rated 8-16 volts DC, 30 mA. Peel & stick pads will adhere best to smooth, finished surfaces.