

# Notes on Fresh Aero EasyBrow Lights

## Light Function and Polarity

When installing your EasyBrow Lights, take extra care to connect them with the correct polarity. The red wire with the red "+" signs must be connected to the "plus" (+) side of the circuit and the white wire must be connected to the "negative" (-) or "ground" side of the circuit. This is very important as the LEDs will not tolerate reverse polarity and will self-destruct. Nothing destroys LEDs quicker than reverse polarity. Be careful!

**Note: Use proper "static sensitive" grounding procedures when handling LEDs**

Clean the mounting surface well with alcohol, "409", "Fantastic", "Simple Green" or cleaner and allow for drying.

Find and mark the center on both the mounting surface and light strip. Remove the tape backing from EasyBrow strip in small sections - starting at the center and working to the ends and gently press the EasyBrow strip onto the lower glare shield, taking care not to apply direct pressure to the actual LEDs.

Use an instant bond adhesive like "Super Glue" to bond the shrink wrap tubing at the ends of the strip to the mounting surface. (This step applies only if you're mounting the EasyBrow Light without the protective clear covering)

Connect your EasyBrow Light using FAA approved procedures.

## Operating The EasyBrow Light

**Note:** The EasyBrow Light LEDs are optimized for maximum brightness at 13.8 volts dc (27.6 volts on 24 volt systems). The EasyBrow Light will certainly work well with the engine off but the brightness will be slightly less than when the engine is running. Trust us, you won't notice it.

**More Notes:** If your EasyBrow Lights are too bright and difficult to dim properly, we recommend that you install a 100 ohm, 5-10 watt resistor in series with one of the leads to reduce the incoming voltage level. This lowers the full brightness level to a more comfortable setting and lowers the power consumption to a fraction of the original configuration.

(More notes on back)

The brightness level will be more consistent with the overall panel brightness adjustment and will also reduce any voltage variation issues you might have that may affect the lights. The wattage is overkill, but we don't want to see any heat buildup at all on the resistor.

Be sure to insulate the resistor leads and wires with shrink wrap to prevent shorting the resistor.

Fresh Aero does sell a resistor kit with crimp-on connectors for 5 dollars, shipping included, if you can't buy one locally.

Fresh Aero EasyBrow Lights are available in 12/14 & 24/28-volt dc configurations and should be used only with the correct voltage.

The 12/14-volt EasyBrow Lights should never be connected to a 24/28-volt system. This will severely shorten the life of the LEDs and void your warranty.

The 24/28-volt EasyBrow Lights can be used in a 12/14-volt system but the LED brightness will be significantly reduced.

Please contact us if you have any questions or need additional mounting or installation hardware.

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