

CRAZEDPILOT

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COCKPIT LIGHTING SYSTEM - INSTALLATION AND LIABILITY RELEASE

Thank you for purchasing the LED Cockpit Lighting System by CRAZEDpilot. This cockpit lighting kit will provide thousands of hours of trouble-free lighting with full dimming control using pulse technology that prevents heat generation within potentiometers or resistors as used in the past – thus lowering current consumption on your battery and charging system. Typical consumption at full brightness is roughly 200Ma per foot (adjust your fusing as necessary based on your custom installation).

WIRING:

Solder 3-conductor wire to the three terminals on the brightness control knob. With the black knob facing you, and the solder terminals facing up, connect the LEFT terminal to Pin 1, Center terminal to Pin 2, and the RIGHT terminal to pin 3. Install the brightness control knob in a convenient location on your aircraft panel by drilling a hole in the panel as desired. Once installed, turn the knob fully counter clockwise, and align the knob marker at roughly 8 o'clock and press ½ way on to get started. This will take some changing to align the indicator perfectly, but it's a good starting position. If you have any concern about the green connectors on the controller box pulling or vibrating loose, consider installing a tiny zip-tie lengthwise between the center terminals, securing the connectors to the controller box.

Connect **supply** voltage as shown in the diagram with GROUND to Pin 5 and 12v Positive to Pin 6. Install using a 12v 1 AMP fuse or breaker on the +12V supply. If you have excess light strip after trimming, you may wire them in 'parallel' with their own pair of wires to the brightness controller. Spare light strip can also be wired direct to a 12V switch as a separate map light, etc. Since all applications vary we do not make official recommendations for installation.

Connect the red wire to the LED + output (Pin 7) and the black wire to the LED - output (Pin 8). If the LED's do not light, switch Pin 7 and 8, there is no risk of damage if the LED outputs are wired. For certain installations you may wish to solder directly to the back of the LED strip for 'flush' or invisible wire installations. If so, peel back ¼" of the 3M adhesive cover at one end, and with an Xacto blade remove the adhesive covering the copper solder pad for the + and - terminals. Tin these carefully using safe soldering techniques, and apply your chosen wire. This wire will run directly to the controller box, with LED + wired to Pin 7 and LED - wired to Pin 8. DO NOT attempt to wire this as a 'ground switched' device or any other single wire configuration – the pulse technology of this device requires two wires direct from your power source, and two direct to your lighting strips. Consider attaching the wire at 90 degrees and routing your wire through small hole hidden underneath the light strip to make all the wire disappear after installation.

LIGHT STRIP INSTALLATION:

Do NOT under any circumstances use blue masking tape, or any other masking tape, to temporarily install or hold the strips during installation as the chemicals used in masking tapes and other adhesives are highly incompatible with the weather-resistant rubber used in the lighting strips and they will bond to each other permanently.

The light strips are adhesive backed with a quality 3M adhesive, and the lights can be cut to length for your custom installation. Do not pull excessive tension on the strips if you are attempting a precision alignment as ½ to 1 inch can be easily stretched across a typical 5 ft cockpit interior. Once pre-measured, cut BETWEEN the dual sets of + and - indicators seen thru the clear side of the LED light strip – the cut points are conveniently located roughly every 2 inches. You can lightly touch-tack and pull loose for adjusting as you go, do not rub hard into place until complete. We advise rubbing and not pressing as the clear rubber is soft enough to hold finger prints. After installation is complete, light finger prints and some other blemishes can be removed with Ronseal lighter fluid only.

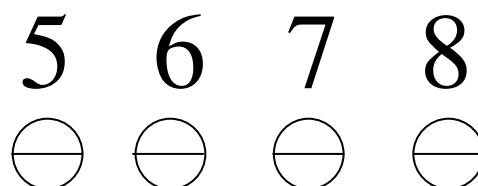
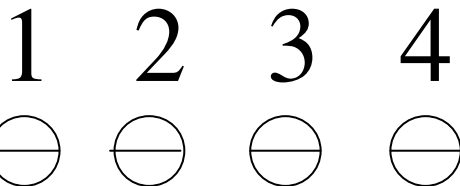
LIABILITY RELEASE/DISCLAIMER:

These lights are intended to be a low-cost alternative to bring additional lighting into your interior. Do not rely on these as your sole source of light after civil twilight as they do not meet the entire requirements of FAR 91.205 for night time operations on their own. By installing these lights you are agreeing to release all liability against CRAZEDpilot, it's staff and representatives, for the use or mounting of these lights and it's effect on your flight or it's effects on the flight characteristics of your aircraft after installation. Not for use on certificated aircraft. This product to be used for lighting controls only. As the pilot in command you are accepting all responsibility for the safety of your aircraft, those onboard, and persons or property on the ground. CRAZEDpilot makes no representations of warranties, either expressed or implied, by or concerning any content of these written materials and in no event shall be liable for any implied warranty for any consequential, incidental or indirect damages (including but not limited to damages for loss of business profits or business interruption) arising from the use or inability to use these written materials or equipment.

DIMMER CONTROLLER BOX

GREEN CONNECTOR

GREEN CONNECTOR



NO CONNECTION

