INSTRUMENT LIGHTING

UMA INSTRUMENT LIGHTING - PMA'D

The UMA EL Light Bezel System replaces instrument post-light, provides a uniform light around the dial of each instrument using a solid-state electro-luminescent element rather than an incandescent bulb. Bezels have a design life of 5,000 operating hours. The system consists of a bezel or "wedge", DC to AC inverter, and a connector kit. The bezel fits over the instrument face, and is available in a variety of configurations to accommodate various adjusting knobs. The bezel mounts either between the instrument face and the panel, or between the panel and the overlay. The bezel is held in place by the instrument mounting screws. The DC to AC inverter provides power for as many as 12 bezels or about 25 sq. inches of lighting. To facilitate installation and maintenance a connector kit is supplied with each bezel. Colors are White, Aviation Green, and red, with white being the only FAA approved color. The PMA is based on a STC for Beechcraft King Air 90s. To order these bezels use the following part numbers:

- 2-1/4" inst. w/cut out..............................P/N 10-00986 $58.75
- Battery Back Up 28V..................................P/N 11-08562 $26.95
- Battery Back Up 14V.................................P/N 11-08561 $26.95
- Battery Back Up 28V.................................P/N 11-08565 $47.85
- Battery Back Up 14V.................................P/N 11-08564 $47.85
- Battery Back Up 28V.................................P/N 11-08563 $114.95
- LED EL Dimmer with off switch.................P/N 11-10603 $99.85
- LED Heavy Duty Dimmer with off switch........P/N 11-10605 $114.95
- Extreme Duty Dimmer without off switch.......P/N 11-10612 $128.95

UMA ELECTRO-LUMINESCENT LIGHT STRIPS

UMA, Inc. now offers an ultra-thin (0.006") flexible self-adhesive long-life light strip based on the same technology that is used in our EL Light Bezel. Since there is no filament, these light strips are not bothered by vibration or rapid changes in temperature. Perfect for use under a glare shield, or for any other interior lighting need (both aircraft and automotive). Length may be cut as needed. Available colors are Aviation Green & White/Blue. Power Inverter required.

- 5V (JETS).................................P/N 10-02086 $66.00
- 14V..................................P/N 10-02083 $66.75
- 28V..................................P/N 10-00986 $66.75

Each inverter will run up to 12 lighting wedges, (3 inlet, 9 outlet). Rheostat..........................P/N 6002 $25.80
Elec. Wire Kit..........................P/N 10-02085 $12.80

*Inverters are also available. Must be ordered separately.

FIBERLITE INSTRUMENT LIGHTING SYSTEM

FiberLites, by Superior Panel Technology, offers an innovative FAA approved instrument and label lighting system that uses fiber optics to evenly illuminate aircraft instruments with easily accessible, long lasting, LED light sources. Fiber-optics are affixed to specially designed bezels that are sandwiched between the instrument and the panel for an appearance of an internally lighted instrument. The advantages of using FiberLites over other lighting devices are a) easier wiring, three LED light sources will light up the instrument face on most designs b) the bezels are very long lasting, however, if they ever do need to be replaced, they are easily replaced without having to remove any instruments c) FiberLites provide even 360 degree lighting, and the instrument panel is not altered in any way e) FiberLites can be used to backlight printed labels. The following items are included in the FiberLite package:

- A) Three LED light sources with appropriate polarizing filters (14 or 28V system).
- B) Eight 3 1/8" instrument bezels c) You can substitute TW0 2 1/4" inch bezels for each 3 1/8" inch instrument light. For example a package could consist of SIX 3 1/8" and FOUR 2 1/4 instrument light strips. Bezels come in 3 sizes (3 1/8" standard with four screw holes (FL318), 3 1/8" with cut-out in corner that can be rotated either for a left or right hand bezel with four screw holes (FL214). Please specify the bezel sizes, and quantity and the voltage of the aircraft.

The Superior Panel Technology's Pulse-Width Modulation Dimmer is recommended for dimming the LEDs. Optional 14V or 28V battery back-up systems are available and recommended. See Accessories.

Aircraft spint and spj have worked together to offer a discount on the fiberlites and pwn dimmer when ordered as a package.

- 3 LED Package..........................P/N 11-04099 $254.95
- 3 LED Package with PWM Dimmer..........P/N 11-10601 $349.95

INVERTERS FOR UMA LIGHTING

- 5V (JETS).................................P/N 10-02086 $66.00
- 14V..................................P/N 10-02083 $66.75
- 28V..................................P/N 10-00986 $66.75

Each inverter will run up to 12 lighting wedges (3 inlet, 9 outlet). Rheostat..........................P/N 6002 $25.80
Elec. Wire Kit..........................P/N 10-02085 $12.80

*Inverters are also available. Must be ordered separately.

FIBER-OPTIC PANEL BACKLIGHTING KITS

Backlight the lettering with engraved panels using FiberLites fiber-optic panels. The panels can be cut to width and normally one fiber-optic panel can illuminate all the text for switches and breaker labels. The fiber-optic panels are 3" x 8 5/8" and can come with the frame, connectors and three LEDs (either green or white). The panels can also be used as mini flood lights over breakers and switches.

Fiber-Optic Back Light Kit White..........................P/N 11-08561 $149.95
Fiber-Optic Back Light Kit Green.........................P/N 11-08562 $149.95

PANEL INDICATOR LAMPS

Screw-in terminals, easy retrofit installation. Model: Pilot-12mm-Series.

<table>
<thead>
<tr>
<th>Color</th>
<th>Part No.</th>
<th>Price</th>
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Fiber-Optic Back Light Kit Green..........................P/N 11-08561 $149.95
Fiber-Optic Back Light Kit White..........................P/N 11-08562 $149.95

AIRCRAFT SPRUCE EAST

Peachtree City, GA • (877) 477-7823

Prices Subject to Change Without Notice

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