UMA INSTRUMENT LIGHTING - PMA'D

The UMA EL Light Bezel System replaces instrument post-lights, provides a uniform light around the dial of each instrument using a solid-state electro-luminescent element rather than a incandescent bulb. The 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 assist you in filing a FAA form 337, the approved data package used for the King Air installation is available from UMA, or can be downloaded on or website. Copies of previously issued 337s are available upon request. * Inverter is required. Must be ordered separately.

Model No.	Size	Cut-Out	Light	Part No.	Price
2-30-W	3-1/8"	SINGLE (Left or right)	WHITE	10-00794	$65.00
2-30-G	3-1/8"	SINGLE (Left or right)	GREEN	10-02089	$65.00
2-30-R	3-1/8"	SINGLE (Left or right)	RED	2-30-R	$65.00
2-31-W	3-1/8"	NONE	WHITE	2-31-W	$65.00
2-31-G	3-1/8"	NONE	GREEN	10-02090	$65.00
2-31-R	3-1/8"	NONE	RED	2-31-R	$65.00
2-33-W	3-1/8"	CENTER	WHITE	2-33-W	$65.00
2-33-G	3-1/8"	CENTER	GREEN	10-02091	$65.00
2-33-R	3-1/8"	CENTER	RED	2-33-R	$65.00
2-34-W	3-1/8"	DOUBLE	WHITE	2-34-W	$78.75
2-34-G	3-1/8"	DOUBLE	GREEN	10-02092	$78.75
2-34-R	3-1/8"	DOUBLE	RED	2-34-R	$78.75
2-35-W	3-1/8"	NONE w/Undercut for VSI	WHITE	11-02095	$65.00
2-20-W	2-1/4"	SINGLE (Left or Right)	WHITE	10-00792	$65.00
2-20-G	2-1/4"	SINGLE (Left or Right)	GREEN	10-02087	$65.00
2-20-R	2-1/4"	SINGLE (Left or Right)	RED	2-20-R	$65.00
2-21-W	2-1/4"	NONE	WHITE	2-21-W	$65.00
2-21-G	2-1/4"	NONE	GREEN	10-02088	$65.00
2-21-R	2-1/4"	NONE	RED	10-00793	$65.00

INVERTERS FOR UMA LIGHTING -

5V (JETS)	P/N 10-02086	$77.75
14V	P/N 10-02083	$77.75
28V	P/N 10-00986	$77.75

Each inverter will run up to 12 lighting wedges.

Rheostat	P/N 6002	$51.75
Elec. Wire Kit*	P/N 10-02085	$16.50

***Contains AMP connector and connecting pins**

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.

Dimensions	Color	Part No.	Price
0.5"W x 25"L	White/Blue	10-00321	$79.75
0.5"W x 25"L	Aviation Green	10-00322	$79.75
1.5"W x 18"L	White/Blue	10-00323	$99.75
1.5"W x 18"L	Aviation Green	10-00324	$99.75

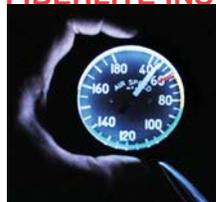## CRAZEDPILOT LED LIGHTING FLEXIBLE WATERPROOF STRIPS

This flexible 15 ft LED Lighting strip is powered by 12volts, is adhesive backed and waterproof - allowing you to install it in any location you want light to glow. This LED Lighting strip can be powered directly with 12v as a light source for footwells, dome lighting, passenger areas, etc. LED Lighting comes in Red, White, and Blue with a black flexible PC Board technology, and clear silicone-based flexible covering.

Red	P/N 11-14143	$19.00
White	P/N 11-14144	$19.00
Blue	P/N 11-14145	$19.75

FIBERLITE INSTRUMENT LIGHTING SYSTEM

FiberLites, by Superior Panel Technology, offer an innovative instrument lighting system that uses fiber optics to evenly illuminate aircraft instruments with easily accessible, long lasting, LED light sources. Select up to 8 of any Bezel combination of 3-1/8", **3-1/8" with cut-out (DG,VSI,ALT) and 2-1/4" instruments light bezels. **The FL318CO has a cut-out in one corner. Use this for directional gyros, altimeters, vertical speed indicators and other Instruments with corner knobs. Use the standard FL318 for the attitude indicator. The FiberLite package includes 3 LEDs which can light up 12 instruments. The FiberLite Instrument Light Bezels are FAA approved for certified aircraft. Look in the document section for the Approved Make and Model List. If your aircraft is not on the list then you would need a 337.

Aircraft spruce and spt have worked together to offer a discount on the fiberlites and pwm dimmer when ordered as a package.

Instrument Package -without dimmer	P/N 11-04009	$254.95
FiberLite Instrument Package with PWM dimmer with built in circuit-breaking off switch	P/N 11-10601	$349.95

Individual Parts Pricing:

2-1/4" inst.	P/N 11-04000	$29.95
3-1/8" inst.	P/N 11-04002	$29.95
3-1/8" inst w/cut out (DG, VSI, ALT)	P/N 11-04003	$29.95
14V LED Light Source	P/N 11-03999	$19.95
28V LED Light Source	P/N 11-07838	$19.95
Battery Back Up 14V	P/N 11-06595	$47.85
Battery Back Up 28V	P/N 11-06596	$57.85
LED EL Dimmer with off switch	P/N 11-10603	$118.95
LED EL Dimmer without off switch	P/N 11-10604	$99.85
LED Heavy Duty Dimmer with off switch	P/N 11-10606	$118.95
LED Heavy Duty Dimmer without off switch	P/N 11-10608	$98.85
Extreme Duty Dimmer without off switch	P/N 11-10612	$128.95

LED COCKPIT LIGHTING SYSTEM KITS

The simplest and best priced LED cockpit lighting and interior lighting system on the market – the CRAZEDpilot LED Cockpit Lighting System includes over 5 feet of adhesive-backed flexible LED light strip (AVAILABLE IN PURE WHITE) which can be trimmed to any length (or multiple lengths, read on!) The system also contains a digital dimmer control with black panel-mount knob, and detailed installation instructions and clear wiring diagram. Weighs ONLY 2.5 ounces installed! The digital dimmer control uses pulse technology to prevent heat generation and current draw commonly found in inferior designs.

The LED light strips are 8mm wide by 3mm thick made using flexible PC-board technology – with a clear vinyl coating over a black background, these light strips nearly dissapear when not illuminated. The strips are capable of curves and countours of a 2 inch radius, which will fit nicely into the corner of your glare shield or custom panel (see photographs on this page). The 3M adhesive backed light strips bond and stay bonded once placed permanently.

Red	P/N 11-11201	$47.65
White	P/N 11-11202	$47.65
Blue	P/N 11-12907	$47.65

PANEL INDICATOR LAMPS

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

Color	Part No.	Price
White	13-15811	$12.95
Red	13-15812	$12.95
Green	13-15813	$12.95
Blue	13-15814	$12.95
Yellow	13-15815	$12.95

FIBER-OPTIC PANEL BACKLIGHTING KIT

Backlight the lettering on reverse 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 breakers on a panel. The fiber-optic panels are 3" x 8.5" and come with the needed 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 Green	P/N 11-08561	$149.95
Fiber-Optic Back Light Kit White	P/N 11-08562	$149.95

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