ULTRALIGHT BEACONS

These miniature self-contained units use solid state circuitry for reliability and a lexan lens that is UV protected and shatter resistant for durability. Now available with an internally regulated flashing LED Lamp. .14 amps & 50,000 hr expected life. 12V DC power source required for both units. Wt. less than 7 oz. Size: 3” H x 2-5/8” W. For Experimental Aircraft Only.

Beacon, red lens ...........P/N 11-03008............ $72.25

RED LED AIRCRAFT BEACON

This self contained 14 Volt beacon uses surface mounted LED (Light Emitting Diode) technology and meets FAA requirements for anti-collision light systems in both airplane and rotorcraft categories. Measures 1.7 inches in diameter, 3.5” tall and weighs 8.4 oz. Average current draw at 14V is 0.6 Amps with peak input current of 1.2 Amps. Flash rate of 60 per minute and will not produce EMI or RFI interference. Aviation Red LEDs through a clear Polycarbonate Fresnel lens. Projected life for the LEDs is up to 100K hours. Mount with a #10-32 stainless steel stud that is in the bottom center of the base. NOT TSO’d

P/N 11-05111.................. $233.95

ULTRALIGHT RED/GREEN POSITION LIGHTS

Made for easy installation to fit the tube that makes up the wing tip of most Ultralights. Powered by 12VDC and drawing only 1/3 amp each, these lights are just the thing for the Ultralight flyer that wants to add that special touch of position lights to his bird for those twilight flights. These easy to mount lights measure 1-3/8” x 4-3/8”. Please note that these lights are NOT TSO’d for VFR night flight.

P/N 11-01356............... $49.50

OPTIMUS DUAL LED AUX LIGHTS

Utilizing an all new proprietary IRIS Reflective Technology, the Long Range series provides the ultimate focus for long range lighting by producing 693 ft. of usable light from a single 3.5” tall, 10-watt LED. Compared to a standard 55 watt low beam headlight reach of 88 ft and a standard 65 watt high beam reach of 153 ft.

Optimus lights also feature Cyclops Prime Drive technology for integrated thermal management and dimming capabilities.

Pulse Width Modulation: The Optimus Prime utilizes integrated Pulse Width Modulation (PWM) dimming circuitry to manage heat levels. PWW works by flashing the LED at a frequency faster than the human eye can detect, reducing the time that the LED is operating while still delivering 100% light output.

Square ..................P/N 11-12267........ $259.00

Round ..................P/N 11-12266........ $259.00

ELECTRONIC SOLID STATE FLASHER FOR INCANDESCENT & LED

This encapsulated solid state flasher is designed for use with standard DC incandescent filament bulbs or the newer LED lighting, with built in mounting tab. Operating voltage: 12VDC to 24VDC. Load current: Up to 15A. Flash rate: 75 flashes per minute. Dimensions: 1-5/8”H x 1-3/16”D x 1-5/8”D. screw clamp terminals.

P/N 11-12102................. $27.50

SINGLE / 2 CHANNEL PWM DIMMERS

The two dimmers include a single channel model. Both use pulse wave modulation, or PWM electronic design for precise control of LED lighting such as LED instrument panel lighting, baggage, utility, map or post lights. The self-contained products are designed for easy installation and feature integrated on/off switches on each rheostat. Rated at 18 Watts per dimmer channel, the dimmers are capable of operating a large number of interior lighting products and are engineered to provide additional over-current, over-voltage and reverse polarity protection.

Single Channel Pilot’s Light Dimmer

Single Channel PWM (pulse wave modulation) dimmers are ideal for operating LED Light Strips and other interior incandescent or LED lighting, such as map lights, conveniences, footwell or baggage compartment lighting. Features include reverse-polarity protection and over-voltage protection as well as an integrated on/off switch (in the fully counterclockwise position).

12 Volt DC (12VDC systems) version has 7 Amps of capacity (97W) 24 Volt DC (28VDC systems) version has 4 Amps of capacity (112W)

Just 1.25” x 1.6”. Shaft diameter is 17/64” (6.75mm)

Screw-down terminals for easy connection of input and output wires

Powerful enough to operate a wide range of lighting products

High-quality push-on knob. Shaft length accommodates panel widths to 5mm.

2-Channel Pilot’s Light Dimmer

2-Channel PWM (pulse wave modulation) dimmers are ideal for controlling more than one bank of LED or incandescent lighting, such as 2-color LED light strips or any combination of lighting (panel lighting, overhead map lights, foot well lighting, etc.). Each rheostat controls a separate lighting channel and contains its own On/Off switch (in the fully counterclockwise position)

1.5 Amp per channel version (12-14VDC systems) controls up to 18W per channel

7 Amp per channel version (12-14VDC systems) control up to 97W per channel and adds over-current protection and dual independent heat sinks.

Ideal for LED or incandescent lighting

Dual rheostat shafts permit independent control of each channel

Screw-down terminals for easy connection of input and output wires

Powerful enough to operate a wide range of lighting products

High-quality push-on knob. Shaft length accommodates panel widths to 5mm.

Specifications:

* Mode of Operation: Continuously variable, pulse width modulation (PWM)

* Support Voltage: 8 to 20 VDC working voltage, up to 30VDC momentary. Dimmer must be fused at power source

* Output Voltage Range: From zero VDC to supply voltage

* Output Current Range: Up 1.5A

* Max Continuous Output Current: Full rated current up to 105F (40C), 75% of rated current up to 115F (46C)

* Ambient Temp Range: Minus 40F (-40C) to 115F (46C), with restriction as noted

* Size: About 1-3/4” inch square

* Weight: 30 to 40 gm, depending on wired connection type

* Heat Sink: Electrically isolated from voltage and acts as a circuit enclosure. Max. temperature rise under load is about 40 F (22C) above ambient.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>Single Channel PWM Dimmer 12V</td>
<td>11-06674</td>
<td>$33.75</td>
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<tr>
<td>Single Channel PWM Dimmer 24V</td>
<td>11-07286</td>
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<tr>
<td>Two Channel PWM Dimmer</td>
<td>11-06675</td>
<td>$48.50</td>
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<tr>
<td>7 AMP per Channel 97W</td>
<td>11-10783</td>
<td>$55.75</td>
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LIGHTMAN HIGH INTENSITY STROBE

Portable battery operated strobe which is an ideal addition to a pilot survival kit. Flash can be seen up to 3 miles and operates for 3-7 hours on AA batteries. It is impact & weather resistant; size: 3.5” on each triangular side; wt: 3.5oz. w/batteries. Includes storage pouch, belt/visor clip, magnet, & other attachment accessories. Furnished with clear dome.

Dome only (Price/ea.)

Amber.......P/N 11-08205 ..............$3.50

Red.......P/N 11-08210 ..............$3.50

Green.......P/N 11-08215 ..............$3.50

Blue.......P/N 11-08220 ..............$3.50

Clear.......P/N 11-08225 ..............$3.50

BLACK FLUTED CONTROL KNOB

Black Bakelite knob. Fluted grip. ¼” brass bushing with set screw. ¼” in diameter x 7/16” high. Fits potentiometers for Superior Panel Technology dimmers.

P/N 11-07344.............................$8.85