

## Lighting Components

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### Dimming Resistors and Switches

Paramount Panels' dimming resistors and switches have been designed to comprise a versatile range of linear controls. Up to 50 midget lamps are controlled from the "OFF" position to maximum brightness by one composite unit. Each dimming resistor is built from separate variable resistance elements assembled to a common spindle, with elements connected in parallel by external links for sub-multiple resistance values in order that twin dimming may be effected. Clockwise spindle rotation through 100° decreases resistance in the circuit, causing an increase in lamp brightness. A switch may be added to isolate resistance elements, or for independent switching of a separate circuit. Capable of switching 3 Amps at 12 volts, 2 Amps at 50 volts or 1.5 Amps at 110 volts, these are normally located at the rear of dimmer.

### Concentric Spindle Dimming Resistors

The concentric spindle assembly provides two separate dimming circuits, individually controlled from a common axis. Two control knobs operate the unit, with the front knob operating the rear section from the inner spindle, and the rear knob operating the front section from the outer spindle.

### Finger Knobs

A wide range of finger knobs for the above units, styled for aircraft use, are available.

### Individual Instrument Lampholders

Our individual instrument lighting system has been developed for applications where it may not be practical to fit an integrally lit panel (see further data sheets). It is commonly used for standby lighting on vital function instruments in helicopters and light aircraft design. An individual pillar lamp holder may also be used to form one of the mounting posts of an instrument to be illuminated. Light will be projected downwards and through 90° arc to produce a sharply defined illuminated segment.

### Indicator Lights

Paramount Panels' indicator lights and accompanying accessories are available in T1 and T1¾ variants. The bodies feature threaded attachments for assembly with our lamp holder bases, and are available in dimming cap and sealed versions. They are available in a range of material finishes and colors.

### Illuminated Switches

These are available with a variety of circuit arrangements and in arrange of finishes and colors. These switches, all momentary action and front or rear mountable, are suitable for press-to-test, push-to-make or push-to-break applications. The range is available sealed or standard, with solder or screw terminals.

### Cockpit Utility Lamp

Paramount Panels' cockpit utility light combines the functions of a fixed spot or floodlight with that of a portable hand torch. The supply is by self-coiling flexible lead attached securely to the body of the cockpit utility light. The mounting is so constructed that the light may be snapped in and out of its socket and used as a torch wherever the extended length of flexible lead will permit. The unit has a maximum working rating of 50v d.c. and is normally equipped with a 3.5 watt 28V. M.C.C. lamp and gives a red or white beam with either spot or overall projection by rotating the front bezel.

A conveniently shaped knob is provided at the rear of the unit to control brightness of the lamp and give an "OFF" position. At any point of the dimmer, full brightness can be obtained by finger pressure on the top of the knob.

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