Vetronics

Miniature Lamps for use in Vetronics

Vetronics is essentially short for the words vehicle and electronics. Used extensively in the military field, it refers to communication, navigation, and weapons. Vetronics includes components from chips and boards to displays and power electronics.

LCD Lighting miniature lamps are used in many military vehicles for active matrix liquid crystal displays (AMLCD). Our technology offers an optimal combination of lightweight and efficient power use, as well as reliable performance. Specific applications include flat panel displays, display equipment, and prototype equipment.

Miniature lamps can be placed on the edge of an LCD display or directly behind it with a back plate to reflect illumination through the LCD. The application and use environment help determine the lamp’s shape, size and power. In general, miniature lamps are multi-bend in shape and are 6mm to 18mm in outside diameter (O.D.).

LCD Lighting miniature lamps replace multiple lamp designs with more efficient, single-lamp systems. These single-lamp systems provide a number of important benefits, including simplified wiring harnesses, reduced power requirements and enhanced durability. LCDL can also provide value added services to further reduce the unit’s cost. (See Lamp Sub-Assemblies)

Also used are our cold-cathode linear and grid lamps.

Custom Colors
Readily available colors include: cool white, warm white, daylight, blue, green, red, and tri-band. We also provide ultraviolet and infrared phosphors. Colors can be blended to produce the precise desired color requirements in a wide range within the visible spectrum. Please visit our High CRI page for more information.

More Information

Are you looking for more information about our LCD Lighting miniature and sub-miniature backlight lamps? Click here to learn more about LCDs and AMLCDs.