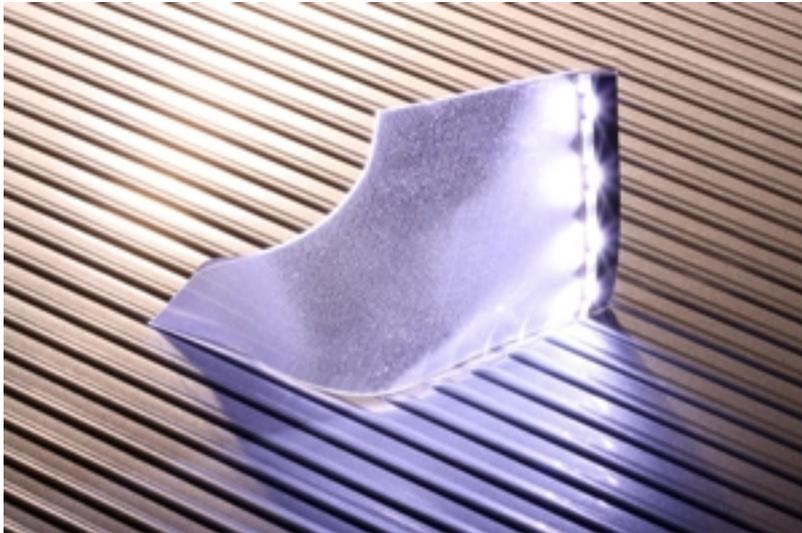


Shapeable LED Backlight



Lumex announces the global launch of its first-in-the-industry QuantumBrite Shapeable LED Backlight. With the new shapeable LED backlight, holes can be cut into the backlight in virtually any shape (for example, to allow space for a switch or other component on the circuit board). This combination of flexible and shapeable LED backlight technology is unique in the industry and opens the door to a broad new range of LED backlight applications completely customizable in any shape, size or color on both flat and curved surfaces. The new backlight technology provides a brightness of up to 20 cd/m², making the technology ideal for applications where non-jarring, natural, soothing lighting is required.

The ultra-thin QuantumBrite LED backlight viewing area has a profile height of just 0.125mm, up to 97% thinner than traditional LED backlight technology and up to 79% thinner than alternative flexible LED backlight options. The profile is only marginally thicker than a standard piece of writing paper. The ultra-thin surface is textured with patterns specially designed for enhanced light distribution, resulting in up to 30% more uniform light distribution compared to alternative flexible backlights.

The new shapeable LED backlight also generates cost savings at prices up to 30% less expensive than electroluminescent (EL) and 50% less expensive than fiber optic backlights.

The new, first-in-industry technology opens the door to a wide number of creative applications including logo enhancement and indirect lighting. The ultra-thin profile makes the technology particularly well-suited for compact portable-device applications and the material flexibility makes it possible to use the new technology on both flat and curved surfaces. Medical device applications include: panel indication, and logo/display backlighting on medical radiology equipment, monitors, defibrillators, infusion pumps, blood/gas analyzers and ventilators.

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