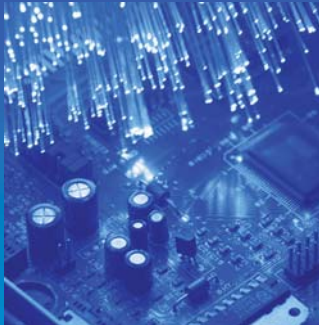




LEDs



LCDs

Arrays



High Power



Light Pipes



Backlights



Infrared



Custom

LUMEX[®]
Creating LED and LCD Solutions Together™



Quality

Service

Innovative Designs



As the most recognized brand in the market, Lumex has been renowned as a world leader in optoelectronics. Lumex has a rich history of outstanding customer service, dedication to technical expertise, and an extensive and ever-growing line of opto products. For over 30 years, the name Lumex has become synonymous with quality.

Lumex offers thousands of high-efficiency, state-of-the-art optoelectronic components and displays, with an emphasis on both semi-custom and custom design solutions. Lumex's team of Technical Design Specialists are experts at developing effective, smart solutions from the most complex design dilemmas.

Light Emitting Diodes



Lumex's patent-pending OctoLEDs™ are the first LEDs in the market to combine SMT technology with the features and capabilities of through-hole, leaded T-5MM epoxy lens LEDs.

A pioneer in the art of optoelectronics, Lumex offers one of the industry's largest selections of through-hole and surface-mount LEDs, as well as LED arrays and indicators with an expansive selection of viewing and packaging options. All Lumex products are 100% RoHS compliant and ideally suited for a wide range of markets. Lumex also offers prototype designs made to fit your application by tooling PCBs and lens combinations to suit your needs.



Lumex's exciting family of high power products is constantly evolving with the introduction of new models and ever-increasing light output levels.



The 5-Watt TitanBrite™ and 3-Watt, AstraLED™ RGB further expand Lumex's comprehensive family of high powered LED products. To view Lumex's complete line of High Power Solutions, log on to www.lumex.com.

Liquid Crystal Displays



Lumex has become increasingly well-known for their broad range of quality LCD products such as standard backlights, glass, seven segment, character and graphic displays, as well as total integrated display solutions.

Discussions with our Technical Design Specialists will help determine the criteria that best suits your design needs, including:

- Layout
- Display Size
- Liquid Crystal Fluid
- Voltage
- Duty
- Bias
- Temperature
- Backlighting
- Connection Method
- Packaging Requirements
- LCD Driver, and
- LCD Controller-Driver Selection Assistance



Backlights

To further enhance your LCD design's visibility, Lumex's Technical Design Team can work with you to develop backlight solutions that can be easily customized with a variety of technologies including EL (electroluminescent), CCFL (cold cathode fluorescent), Edge Lit and Chips-On-Board.



Lumex also offers solutions that go beyond traditional backlighting applications, such as direct and indirect lighting, indication, logo enhancement and more. All of Lumex's backlight solutions come in a wide array of standard colors, including RGB on a custom basis. For more information log on to www.lumex.com.



Lumex's advanced backlight technology features high intensity brightness (twice that of normal backlights) upwards to 10,000 nits, allowing for full daylight visibility.

Light Pipes

When light needs to travel to places where a surface-mount or through-hole LED cannot shine, Lumex offers an extensive line of light pipe solutions, including right angle and vertical packaging options.



Lumex's New Flexible Light Pipes (series LPI-C011xxx) provide a convenient and versatile solution to conduct light from board-mounted LEDs to remote locations.



Lumex uses state-of-the-art ray trace software with precise 3D CAD/CAM models to ensure proper design and optimal light transmittance, with minimal light losses.

Creating Simplicity



For many customers, standard LED and LCD display offerings can be the simple solution to what is often the greatest challenge to the most visible and important part of any product; the user interface.



Increasingly, however, engineers are finding that many standard, off-the-shelf display technologies do not meet all of their needs, and recognize that an application-specific solution will offer the best result for more complex design needs.



Out Of Complexity

Lumex has proven success at translating initial design concepts and turning them into reality. Our capabilities offer a wide range of semi-custom and custom products that are extensively supported by the most responsive Technical Design Specialists in the industry.

Whether addressing a current design challenge with a new, enhanced product design, or integrating multiple components into one sub-assembly, Lumex's Technical Design Specialists work with you from initial prototype through final production. Our experience, quality and innovative originality will help to bring your product to market faster, and help to provide that competitive edge in the marketplace. Contact one of our Technical Design Specialists today at (800) 278-5666 or go online at www.lumex.com for more information.



The Simple Solution

Lumex's Technical Design Specialists offer an effective, time-tested formula that successfully provides sophisticated, innovative design solutions by:

- Listening to customers,
- Responding positively, and
- Collaborating on a complete solution, rather than trying to force a design with a standard product.



With best in class support and the custom capabilities to stand behind some of the most demanding applications, Lumex is a user interface total solutions partner.





For more information on how Lumex can assist you with your optoelectronic design needs, call 1-800-278-5666; email lmxsales@lumex.com; or visit www.lumex.com

Creating LED and LCD Solutions Together™



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