



High-Performance
Custom LED Solutions



Illuminating Your Markets

EXCELITAS
TECHNOLOGIES



Illuminating Your Markets with Customer-Specific LED Designs and Expertise

We Understand Your Unique Lighting Challenges.

At Excelitas, we are focused on helping our customers accelerate LED-based lighting designs which are innovative, energy-efficient and contribute to reduction in carbon dioxide emissions. While all LED designs have energy-efficiency in common, we recognize that every solid state lighting application is different and each customer has unique requirements.

Whether your goal is reducing power consumption, reducing heat output, meeting tight candela requirements, long life, high CRI, adhering to tough regulatory requirements—or all of these objectives—we understand your unique lighting challenges and deliver the world-class, custom LED solution for your application.

We specialize in LED-based designs for:

- Medical and Dental Lighting
- Analytical Instrumentation Lighting
- Industrial Lighting
- Safety and Security Lighting
- Signaling
- Aerospace and Defense Lighting



Wheeling, IL, USA



Pfaffenhofen, Germany



LED Center of Excellence in Shenzhen, China

Global LED Capabilities. Global Commitment to Quality.

You benefit from the power of Excelitas' global lighting design and manufacturing sites in the USA, Europe and Asia, each ISO-certified. In addition, our LED-based manufacturing facility in Wheeling, Illinois is ISO 13485:2003-certified, strengthening our capabilities to serve light engine needs of medical device customers worldwide.

Excelitas is committed to stringent manufacturing and quality systems and we have a Continuous Improvement culture, including Six Sigma and Lean Manufacturing. Operational excellence is a prerequisite for our focus on creating better outcomes for our OEM customers and their customers. Creating a brighter, safer, healthier future starts and ends with a global commitment to quality.





Solutions Integration From Concept Through Post-Production

At Excelitas, we provide the level of solutions integration that you require. We specialize in customer-specific designs where we become a part of customers' engineering development team, all to help you get your product to market quickly. Our LED-based design and manufacturing capabilities include:

- LED Light Engines
- Fiber Optic Illuminators and Modules
- Custom LED Packaging using advanced Chip-on-board (COB) technology
- Optical Design
- Optical Testing
- Thermal Management
- Mechanical Design
- Electrical System Design

We have the expertise to handle your difficult optical requirements and provide the level of Solutions Integration that you require.

Trust Excelitas to help you illuminate your markets with high-performance, LED-based designs.



Dental Lighting

Excelitas designed a complete high performance LED light engine assembly for this world class dental lighting application which had lower power consumption, reduced heat output, variable color lighting, shadow reduction and long life.



Surgical Lighting

Excelitas partnered with this market leader to accelerate introduction of this premier LED-based surgical lighting which had low power consumption, long life, high CRI, reduced heat output, excellent shadow control and a crisp, adjustable spot.



Aircraft Warning Lights

Excelitas designed a patented optic for this safety and security application which reduced power consumption while using the fewest LEDs possible and met stringent FAA and ICAO regulations.

About Excelitas Technologies

Excelitas Technologies is a global technology leader focused on delivering innovative, customized solutions to meet the lighting, detection and other high-performance technology needs of OEM customers.

From medical lighting to analytical instrumentation, clinical diagnostics, industrial, safety and security, and aerospace and defense applications, Excelitas Technologies is committed to enabling our customers' success in their specialty end-markets. Excelitas Technologies has approximately 3,000 employees in North America, Europe and Asia, serving customers across the world.

The company was previously the Illumination and Detection Solutions (IDS) business unit of PerkinElmer, and is now owned by Veritas Capital.

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