



Excelitas Technologies Launches Point Source LEDs for Red Dot

High-Efficiency Technology Enables Streamlined Integration, Improved Performance in Red Dot Sights



WALTHAM, Mass., March 30, 2021 – [Excelitas Technologies® Corp.](#), a global technology leader delivering innovative, customized photonic solutions, today introduced its [new SharpDot™ Point Source LEDs](#) for streamlined integration into red dot sights. The new LEDs are designed to provide long-lasting, enhanced red dot brilliance at relatively low cost.

The Excelitas SharpDot Point Source LEDs feature the highest-efficiency Resonant Cavity LED (RCLED) technology in the industry, delivering excellent brilliance and very low power operation to maximize battery life. SharpDot LEDs can be operated down to 15nA for night-vision applications. The five well-defined dot sizes from 10µm-80µm allow for various shooting distances, ideal for red dot and reflex sights.

The product's matte black housing minimizes unwanted reflections for a uniform dot profile and crisp, clear patterns. Eight standard red dot sizes (20µm, 25µm, 30µm, 40µm, 50µm, 80µm, 85µm and 120µm), custom dot sizes and reticle patterns are available, as well as other dot colors such as yellow and green.

“While all red dot LED designs need to be robust, durable and energy-efficient, every red dot application is different and each customer has unique requirements, so we’ve created an extensive product offering of efficient RCLED red dots to yield a variety of sizes and colors,” said Mark Gaston, Senior Product Manager at Excelitas. “Whether your goal is reducing power consumption, clear and sharp patterns, night vision and low current operation – or all of the above – Excelitas specializes in customer-specific designs to meet the needs of the most demanding applications.”

The RoHS-compliant SharpDot Point Source LEDs are readily available in a variety of dot sizes. Excelitas’ SharpDot Point Source LED products are surface mountable enabling easy integration into standard and flexible PCBs. Custom integrated subassemblies utilizing SharpDot are also available.

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About Excelitas Technologies

Excelitas Technologies® Corp. is a photonics technology leader focused on delivering innovative, high-performance, market-driven solutions to meet the lighting, optronics, detection and optical technology needs of our OEM customers. Serving a vast array of applications across biomedical, scientific, safety, security, consumer products, semiconductor, industrial manufacturing, defense and aerospace sectors, Excelitas stands committed to enabling our customers’ success in their end-markets. Our photonics team consists of 7,000 professionals working across North America, Europe



and Asia, to serve customers worldwide. Connect with Excelitas on [Facebook](#), [LinkedIn](#) and [Twitter](#).

Visit www.excelitas.com for more information.

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