




Luminus Leads in Efficacy and Quality of Light with Gen 6 COBs

Maintaining Industry Best Efficacy, Color Quality, and Lumen Density for Directional Lighting

SUNNYVALE, Calif., September 7, 2023, [Luminus Devices](#) announces the launch and immediate availability of their Generation 6 COBs with industry leading efficacy exceeding 150 lumens per Watt (lm/W) at 3000K, 90 CRI, with the highest reaching over 184 lm/W at $T_j=85^{\circ}\text{C}$. The use of traditional nitride phosphors in the Gen 6 COBs delivers high reliability and an expanded operating range as well as chromaticity stability over temperature, current, and time. These COBs are ideal for lighting applications including retail, hospitality, residential, commercial, museum, high and low bay lighting, and more. Special color options, such as Sensus™ below the black body curve for whitening warm color temperatures, AccuWhite™ color rendering to 97 CRI typical, and hospitality color points are all available. With Light Emitting Surface (LES) sizes that range from 4mm to 32mm available in a full range of color temperatures and CRIs, these COBs can be used effectively for both indoor and outdoor applications. LM-80 testing confirmed the parts are capable of achieving Design Lights Consortium (DLC) premium lumen maintenance requiring greater than 90% lumen maintenance for over 36,000 hours of operation.

Dave Davito, COB Product Line Director at Luminus, highlights “The Luminus team again moves to the front of the competitive pack with the best lumen performance available in the market place. Luminus products don’t distort measurement conditions to achieve these results, but rather deliver this performance at industry standard operating conditions. In addition, the selection of colors and power ranges make these products the best among a large range of competitors.”

Generation 6 COB Arrays



- Enhanced efficacy reduces power consumption
- Source optimized for beam characteristics and optics selection
- Engineered to achieve highest color rendering and optimum appearance
- Pure white color rendering with enhanced color saturation
- Pre-certified to fast track fixture qualifications

This product line is now available through [Luminus’ authorized distributors](#) with only a six-week lead time and volume available immediately.

For a full list of features, applications and benefits visit www.luminus.com/products/cobarrays/standard-gen6. Or, to determine the best product, for the ideal solution, visit <https://calculator.luminus.com/>.

About Luminus Devices

Luminus Devices develops and markets solid-state lighting solutions (SSL) to help its customers migrate from conventional lamp technologies to long-life and energy-efficient LED illumination. Combining technology originated from the Massachusetts Institute of Technology (MIT) with innovation from Silicon Valley, Luminus offers a comprehensive range of LED solutions for global lighting markets as well as high-output specialty lighting solutions for performance-driven markets including consumer displays, entertainment lighting and medical applications. Luminus is headquartered in Sunnyvale, California. For additional information please visit <http://www.luminus.com>.

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