



Luminus' Gen 4 COBs: The 70 Watt Metal Halide Spotlight Finally Meets Its Match

SUNNYVALE, Calif., November 14, 2018, Luminus Devices, Inc. has released its fourth generation chip-on-board LED technology (Gen 4) that will open new opportunities in retail lighting as well as a wide range of indoor and outdoor lighting applications. Luminus Gen 4 COB technology combines significant improvements in efficacy, flux density, high maximum drive current, and high temperature capability to enable breakthrough changes in form factor for luminaire makers. For example, it is possible for an LED to deliver the output and punch of a 70 Watt ceramic metal halide lamp in an identical form factor. Luminus has eliminated the barriers that until now had required LED luminaires with comparable center beam candlepower to be larger than the incumbent CMH technology.

"We've seen LED replacements for lower wattage CMH lamps, but we're finally able to displace the 70W lamp which has been the go-to choice of many retail lighting designers when they need a narrow beam spot to make the merchandise sparkle," said Tom Jory, VP of Illumination at Luminus. "Only Luminus Gen 4 COBs enable small form factor fixtures with the punch of 70 Watt CMH in combination with our unique spectral tuning technologies AccuWhite™ and Sensus™."

Unique to Luminus Gen 4 COBs are the very high operating temperature of 120°C and the capability to be overdriven at 3x the nominal current. The advances in this generation of LED technology enable the extended operating conditions while maintaining color performance over time and temperature with reliability and longevity.

Full specifications and additional information are available by [clicking here](#).

About Luminus Devices, Inc.

Luminus, Inc. 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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Two of the luminaires above use Luminus Gen 4 COBs and two use conventional 70W metal halide. All four were used in the Light + Building display this year.

