



Samsung Introduces Second Generation Chip-on-Board LED Packages for Spotlights and Other Directional Lighting

SEOUL, Korea – Feb. 22, 2017 – Samsung Electronics Co., Ltd., a world leader in advanced component solutions, today announced its second generation of D-series chip-on-board (COB) LED packages. The second generation features the industry's highest light efficacy in COB lineups and is suitable for directional lighting applications such as multifaceted reflector (MR) bulbs, parabolic aluminized reflector (PAR) lamps, spotlights, downlights and high bay lights.

This new D-series Generation 2 offers efficacy at 160lm/W (5000K CCT, 80 CRI, 85°C) – a significant improvement from the Gen 1 efficacy level of 150lm/W. The Gen 2 additions greatly enrich Samsung's COB lineup by providing more extensive lighting source options for spot lighting and most other directional lighting. The D-series Gen 2 also features about 50 percent lower thermal resistance than the first generation.

In addition, all 11 different wattage offerings in the D-series Gen 2 deliver high reliability and performance levels that meet DLC Premium standards (technical requirements for LED lighting solutions suggested by DesignLights Consortium™). DLC standards are recognized in North America as a preferred means of evaluating LED lighting products in terms of performance and quality.

The D-series Gen 2 is available for a wide range of color rendering index levels from CRI 70+ to 90+, and for "Vivid" lighting, in providing color spectrums that have been optimized for retail markets. This satisfies the need of many lighting designers to have richer, more vibrant colors.

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at news.samsung.com.