

Creative Technology Hong Kong Partners with Future Lighting Solutions to Develop LUXEON-Based LED Downlights for Asia & Europe

Future's Engineering Support Helped Maximize Fixture Performance



Hong Kong, China – August 19, 2010 – Future Lighting Solutions today announced a joint development project with Creative Technology Hong Kong Limited yielding a new line of solid state downlights manufactured under Creative Technology's Mabushi brand. The luminaires utilize LUXEON® Rebel LEDs and were designed with thermal, electrical and optical support from Future's engineering team.

With Future's assistance, Creative selected LUXEON Rebel LEDs for their industry-leading reliability and 50,000-hour useful life. Future also aided in driver selection and overall system design, using proprietary tools to accelerate and optimize LED system development including maximizing LED output and lifetime.

Tools used for the project included Future's SSL Designer for defining, calculating and optimizing baseline system requirements and costs; Usable Light Tool (ULT) for analyzing LED performance under specific operating conditions; LED Reliability Tool (LRT) for determining LED lifetime; and QLED for detailed thermal analysis of the LED solution design.

The collaboration resulted in 23 downlight models that last 25 times longer than incandescent bulbs and reduce both power consumption and CO2 emissions by more than 80%. The fixtures are being distributed in 10 countries throughout Asia and Europe.

"We have a sister company that has been manufacturing LED flashlights since 2000, but the Mabushi line is our first solid state general lighting. For that reason, we relied heavily on Future's engineers in designing the LED assembly," said Kenneth Yang, Managing Director of Creative Technology. "Their tools and expertise helped speed our time to market as well as deliver a high-performance product."

"Solid state lighting is steadily gaining momentum, but LED application development is still a challenge for most luminaire manufacturers," said Winter Chan, Regional Sales VP of Future Lighting

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Solutions. “This project illustrates the extensive engineering support we offer to help our customers get their products from the drawing board to store shelves.”

About Future Lighting Solutions

Future Lighting Solutions (www.futurelightingsolutions.com) is a leading provider of LED lighting components and support services for solid-state lighting products and installations, including engineering expertise, concept development, full system solutions and online tools that accelerate quality application development. The company is a division of Future Electronics.

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