

12,000 LUXEON Rebel LEDs Illuminate Major Bridge in Harbin, China

Designed by Roled Opto Electronics with Support from Future Lighting Solutions



Shanghai, China – July 21, 2010 – Future Lighting Solutions today announced the completion of a bridge lighting project in the Chinese city of Harbin utilizing 1,288 linear floodlights containing 12,000 LUXEON Rebel LEDs. The new lighting spanning the 1565-meter Songhua Jiang Bridge over the Songhua River was designed and manufactured by Roled Opto Electronics Shanghai Co., Ltd., with LEDs and solution support supplied by Future Lighting Solutions.

Roled used LUXEON Rebel LEDs in the floodlights because of their proven long-term reliability, including the ability to withstand extreme local temperatures ranging from 28°C to -24°C that have given Harbin the nickname of “The Ice City.” Other key considerations included the ability to run at a drive current of 700 mA, thereby reducing the LED count and associated costs required to generate the necessary light output, and assured LED supply under Future’s inventory management program.

The use of LED illumination in the project reduces energy consumption by as much as 80% and provides a 50,000-hour lifetime that minimizes bulb replacement frequency in the difficult-to-reach bridge girders. Future Lighting Solutions assisted Roled with thermal and optical simulations as well as component recommendations including the National Semiconductor driver used in the system design.

“The Songhua Jiang Bridge is a showcase lighting project. It’s in the 10th largest city in China, and the bridge lighting can be seen at night from at least 1.5 kilometers away,” said Derkson Liu, Marketing Manager for Roled Opto Electronics. “Reliability is therefore essential, and Future was able to demonstrate that LUXEON Rebel LEDs met all of our performance criteria.”

“Roled’s reputation as one of the top architectural solid state lighting designers in China literally depends on the integrity of their luminaires,” said Winter Chan, Regional Sales Vice President of Future Lighting Solutions. “Their use of LUXEON technology in a demanding project like this clearly shows that LUXEON LEDs can withstand any installation environment.”

Press Release

July 21, 2010



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.

Media Contact:

Heather Goldsmith

Future Lighting Solutions

(514) 694-7710

heather.goldsmith@futureelectronics.com

www.FutureLightingSolutions.com