



Warm Glow Sets Stage at BRICS Summit

Lumileds and Yajiang partnered to deliver the golden hues, color tuning and fast turnaround time required for the 9th BRICS Summit in Xiamen.

Challenge

To provide superior lighting for the 9th BRICS Summit, a high profile event held at the Xiamen International Conference and Exhibition Center in Xiamen, China. State-of-the-art LEDs were needed with the highest quality of white light and a PC amber color option, which provides popular gold and amber hues.

Solution

The LUXEON C Color Line used in Yajiang's ARKTIK Series provides color tunability and the highest quality white light in a small LED form factor (2 x 2 mm) – ideal for incorporation in compact, high punch floodlights.

Results and Benefits

The rapid installation of flood lighting over a vast exhibit hall was accomplished using over 6,000 fixtures that offer sleek design and reliable operation 24/7. The BRICS Summit attendees experienced illumination that is fit for the most sophisticated global events.

Challenge

The 2017 BRICS Summit, the gathering of leaders from Brazil, Russia, India, China and South Africa, was held at the Xiamen International Conference Centre and Exhibition Centre in Xiamen, China. In preparation for the Summit, a complete renovation of the center's lighting took place, replacing legacy lighting with LED floodlights. Moreover, the Summit had specific lighting needs as well. In the main welcoming hall, the State Banquet Hall, the ceremony called for soft gold and amber hues—color capability that is best delivered by phosphor converted (PC) amber LEDs. LED floodlighting for the large exhibit space (over 1 million square feet) required RGBW floodlighting. In addition to these needs, seamless LED color tuning, high reliability and online monitoring of lighting were all required to be delivered within a timeframe of five weeks.

Solution

Viewed as a global leader in floodlighting, Yajiang Optoelectronics has installed its ARKTIK Series floodlights in numerous exhibition centers around the world. For the BRICS Summit, there was a particular need to create warm golden hues for certain aspects of the ceremony. It was this critical PC Amber capability, along with Lumileds ability to deliver all LEDs for incorporation in over 6000 ARKTIK fixtures in time for installation and testing for the Summit, which led to the selection of Lumileds LUXEON C Color Line by Yajiang Optoelectronics to fulfill this project. Both RGBAW and RGBW combinations were installed across the ARKTIK product lines including Model AM723, AM702, AM724, AM714 and AM722 floodlights. The PC Amber color point is one of 12 colors and 7 whites in the LUXEON C Color Line that can be flawlessly color mixed due to their common focal length.

“In addition to the PC Amber color and outstanding reliability of LUXEON C Color LEDs, Lumileds responds rapidly to customer needs, making them an excellent partner.”

— Alex Wong, President
Yajiang



Large scale installations such as the Xiamen International Exhibition Center require lighting control that is as impressive as the light quality. The lighting system utilized RDM (remote device management) DMX control. Intelligent communication between fixtures enables instant adjustments of color for particular exhibits or color tuning throughout the day.



Results and Benefits

The expansive exhibit hall took full advantage of the flexibility of lighting options provided by the ARCTIK Series floodlights. More than 6000 ARCTIK Series fixtures were installed for a revamped lighting experience, compared to legacy halogen lighting. The LUXEON C Color Line PC Amber LEDs within the floodlights enabled the special golden color required for the Xiamen International Exhibition Centre. Coupled with Yajiang's 16bit color tuning capability, the many different surfaces of the various buildings were able to demonstrate the desired golden hues. The target installation time of five weeks was successfully met by the field installation team in order to secure the scheduled BRICS Summit opening project.

“The BRICS Summit project was an excellent opportunity to apply the RDM for instant online tuning, a key feature for changing exhibit needs.”

— Alex Wong, President
Yajiang

About Yajiang

Guangzhou Yajiang Photoelectric Equipment CO., Ltd, the former company was founded in 1985 headquartered in Huadu District, Guangzhou, with a total area of more than 30 acres. For 30 years, as one of the leading photoelectric equipment suppliers, Yajiang has been committed to high-power LED lighting and stage performing product development, production and sales. Yajiang already has two well-known brand "Silver Star" and "ARCTIK", covering culture, performing arts, landscape architectural and commercial lighting products series. Yajiang photoelectric as the earliest engaged in study and application of new light source LED professional manufacturers, but also the Chinese film and television LED stage lighting industry standard drafting and formulation of one of the units. For now, Yajiang products are warmly welcomed and praised highly by the professional users from all over the world.

To learn more about Yajiang, visit yajiang.cn.



About Lumileds

Companies developing automotive, mobile, IoT and illumination lighting applications need a partner who can collaborate with them to push the boundaries of light. With over 100 years of inventions and industry firsts, Lumileds is a global lighting solutions company that helps customers around the world deliver differentiated solutions to gain and maintain a competitive edge. As the inventor of Xenon technology, a pioneer in halogen lighting and the leader in high performance LEDs, Lumileds builds innovation, quality and reliability into its technology, products and every customer engagement. Together with its customers, Lumileds is making the world safer, better and more beautiful—with light.

To learn more about our lighting solutions, visit lumileds.com.

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