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## **Orb Optronix Added as a Future Lighting Solutions LED Systems Integration Member**

KIRKLAND, Washington (August 18<sup>th</sup>, 2009) Orb Optronix has recently been named an Integration Member of Future Lighting Solutions' Network. This provides Future Lighting Solutions' customers access to Orb Optronix' LED product development services, LED measurement lab and LED measurement products. "Orb is unique in its ability to perform complete system analyses for LED luminaire and product design," said Dave Jenkins, Orb's president. He continued, "Being part of the FLS network will allow us to help even more customers implement LED technology."

Orb provides LED product design services that include custom electronics, optical, mechanical, thermal and algorithm design. Orb has successfully implemented LUXEON™ products from Philips Lumileds in many illumination products from machine vision and medical lighting to street, transportation and architectural lighting. Sometimes the product designs are simple, yet other times, applications demand superior performance and require complex electrical, optical and thermal designs that employ algorithms for advanced calibration and real time compensation.

Jenkins continued, "Orb Optronix is one of the few companies in the world addressing all of the issues of LED product design from concept to production." Quite often the best solutions in LED product development involve such options as managing the LED supply chain, on board current correction as a function of lifetime or as a function of temperature, and calibration of the LED lighting devices as part of production. Orb's engineering expertise includes, software, firmware, electronics, opto-mechanical, thermal and illumination design, Orb also offers customized LED test and measurement systems including customized calibration stations for LED luminaire production and QC. Orb's LED measurement laboratory performs electro-thermal-optical characterizations as a separate service for customers.

The ability to support companies with complete LED product systems design and to provide advanced LED measurement services, as well as production measurement and calibration equipment is entirely unique to Orb Optronix.

*About Future Lighting Solutions Network:* When you work with an Integration Member, you are guaranteed that you are dealing with an expert who has been trained and certified to enable LUXEON®-based solutions. Whether you are looking to retrofit an existing fixture or design a completely new one, FLS members are the most qualified to assist you.

### **About Orb Optronix**

Orb Optronix ([www.orboptronix.com](http://www.orboptronix.com)), founded in 2006, provides world-class engineering services and products for the illumination, optical and opto-electronic industries through its LED Technology Center, Engineering Services Group and Product Development Group.