About Future Lighting Solutions

A division of Future Electronics, the third largest electronic components distributor in the world, Future Lighting Solutions is dedicated to the LED lighting industry. With more than 7 years of power LED experience, Future Lighting Solutions is the pioneer in delivering the most comprehensive worldwide LED lighting solutions support structure in the industry. Future Lighting Solutions offers customers LED Lighting knowledge, resources, programs, partners, solutions and logistics support, focused on enabling the adoption of LUXEON®-based solid state lighting technology.

Future Lighting Solutions’ innovative approach is built around its team of world class LED lighting experts, its highly specialized and experienced partners, and its exclusive worldwide relationship with Philips Lumileds Lighting Company.

Future Lighting Solutions; Making LED lighting solutions simple™.

Design and Manufacturing Assistance

Once you are satisfied with your proof of concept, Future Lighting Solutions can assist in the design and manufacturing of your fixture. Through a network of Certified Solutions Partners, Future Lighting Solutions utilizes a wealth of experience in LUXEON® LED, Power, Thermal and Optics design and integration everywhere around the world.

This network of Certified Solutions Partners, called the LUXEON Lighting Network™, exists to provide the confidence of predictable performance of LUXEON®-based lighting systems.

When you work with a Certified Solutions Partner, you are guaranteed to be dealing with an expert who has been trained and certified to enable LUXEON® solutions.

Our Certified Solutions Partners are the most qualified to assist you.
Future Lighting Solutions’ Lighting Resource Centers (LRCs) provide an unprecedented level of technical service and support geared towards enabling our customers to develop LUXEON® LED-based applications. The LRCs consist of a Proof of Concept Development Facility, and an Optical Measurement Lab. The Proof of Concept Development Facility can provide proof of concepts to validate LUXEON® technology in applications – either with application demos, or by integrating LUXEON® LED technology into existing customer fixtures, including electronics circuit design. The Optical Measurement Lab can perform LED and LED lighting system measurements. Customers with qualified LUXEON® LED lighting opportunities can leverage the solid state lighting knowledge and experience of our engineers, validate designs with our high precision laboratory equipment and minimize application development cycles.

The Lighting Resource Centers contain some of the most sophisticated design and measuring equipment available, such as:

- Spectroradiometers
- Integrating spheres
- Goniometers
- Luminance (nit) meters
- High precision illuminance (lux) meters
- Lighttools and TracePro optical design and simulation software
- Circuit design and layout software tools

...and much more! All this to enable you to improve your application by using LUXEON® LEDs.

**LRC ACCESS AVAILABLE WORLDWIDE**
The LRCs are located in Montreal, Canada (serving the Americas and Europe), and in Shenzhen, China (serving Asia / Pacific).

**FIVE MAIN SERVICES**
The LRCs are able to provide five services for qualified customers to utilize. These five services are:

1. **LUXEON® PROOF OF CONCEPT APPLICATION DEVELOPMENT**
   LUXEON® LED technology can enable never before possible applications today. The LUXEON® Proof of Concept Development Facility allows our customers to develop the confidence to use LUXEON® LEDs in their products, by retrofitting existing fixtures. If our customers do not have the resources or are uncertain about the appropriateness of solid state lighting for their lighting application, the LRC will take the first step to develop a proof of concept to showcase what can be achieved with LUXEON® LED technology.

2. **CUSTOM ELECTRONICS APPLICATION DEVELOPMENT**
The LRCs LUXEON® Proof of Concept Development Facility is equipped with design and simulation tools as well as experienced electronic engineers. With these tools and expertise, the LRCs are able to assist customers in the development of complex custom applications that require in-depth knowledge of analog power management circuits, microcontrollers, communication protocols and wireless technologies.

3. **OPTICAL DESIGN AND SIMULATION**
The LRCs are able to carry out a first order custom optical design and simulate it to demonstrate expected results. The LRC team can then work with the customer and one of the Future Lighting Solutions’ certified custom optical design partners to implement a final optical solution. This is ideal for customers with applications that require custom optical design, or who may not have access to optical engineers or optical design software.

4. **SECONDARY OPTICS EVALUATION AND CHARACTERIZATION**
The Optical Measurement Lab is able to characterize and properly evaluate the increasing range of standard optics available in the market place. This allows the customer to identify which standard optic is best suited for their application.

5. **HIGH-POWER LED CHARACTERIZATION**
The LRC recognizes that measured LED data may be essential for making key design decisions. However, some customers may not have access to internal specialized light measurement equipment or they must outsource this activity to a third party, which may add considerable costs. The LRCs Optics Measurement Lab is able to carry out a wide range of precise LED measurements such as flux, intensity, chromaticity, CRI, spectral distribution, radiation pattern, and many more.

**USING THE LIGHTING RESOURCE CENTERS**
Contact your local Future Electronics office or e-mail us at americas@futurelightingsolutions.com to determine if you qualify to take advantage of the LRC.

Our expert lighting professionals will qualify your needs and will advise how we can best assist you.