

Future's Global Supply Chain team comprises experienced manufacturing, materials, IT and operations professionals who utilize their hands-on expertise in setting up world-class supply chain programs. Our goal is to apply our knowledge and Future's tool set to help customers drive down costs and eliminate waste, while improving efficiencies in their operations through the use of "Lean Practices." Our primary objectives are to provide our customers with the industry's highest level of on-time delivery (> 99.5%) and the largest available-to-sell inventory.

Supply Chain Solutions

Future is uniquely positioned to offer a comprehensive range of services and innovative solutions to develop a powerful, customized program tailored especially for your needs and goals, to truly transform your supply chain. Future has the experience and resources to create an optimized solution coordinating delivery anywhere in the world.

INVENTORY ACCESS

We have the lowest turns ratio in the industry, and access to the largest available-to-sell inventory in the world.

INVENTORY PROGRAMS

Comprehensive supply chain programs, bonded inventory, and broken MPQs are a few of the customizable programs available.

INVENTORY VISIBILITY

Our unique "Dashboard" software provides real-time visibility to inventory worldwide.



Binning

We offer superior binning services through our best in class process. Our regional marketing teams are equipped with the tools and data required to help you make the right decisions in specifying your LED solutions. We work with you to design in predictable and sustainable supply models. This gives you the confidence that solutions using LEDs specified today will match solutions you specify tomorrow and ensures that your application will be visually consistent, as shown here with these LED train lights.



All of these strengths, along with our specialized solid-state lighting expertise, combine to offer you the best technology and sustainable supply in the industry.



About Future Lighting Solutions

Future Lighting Solutions 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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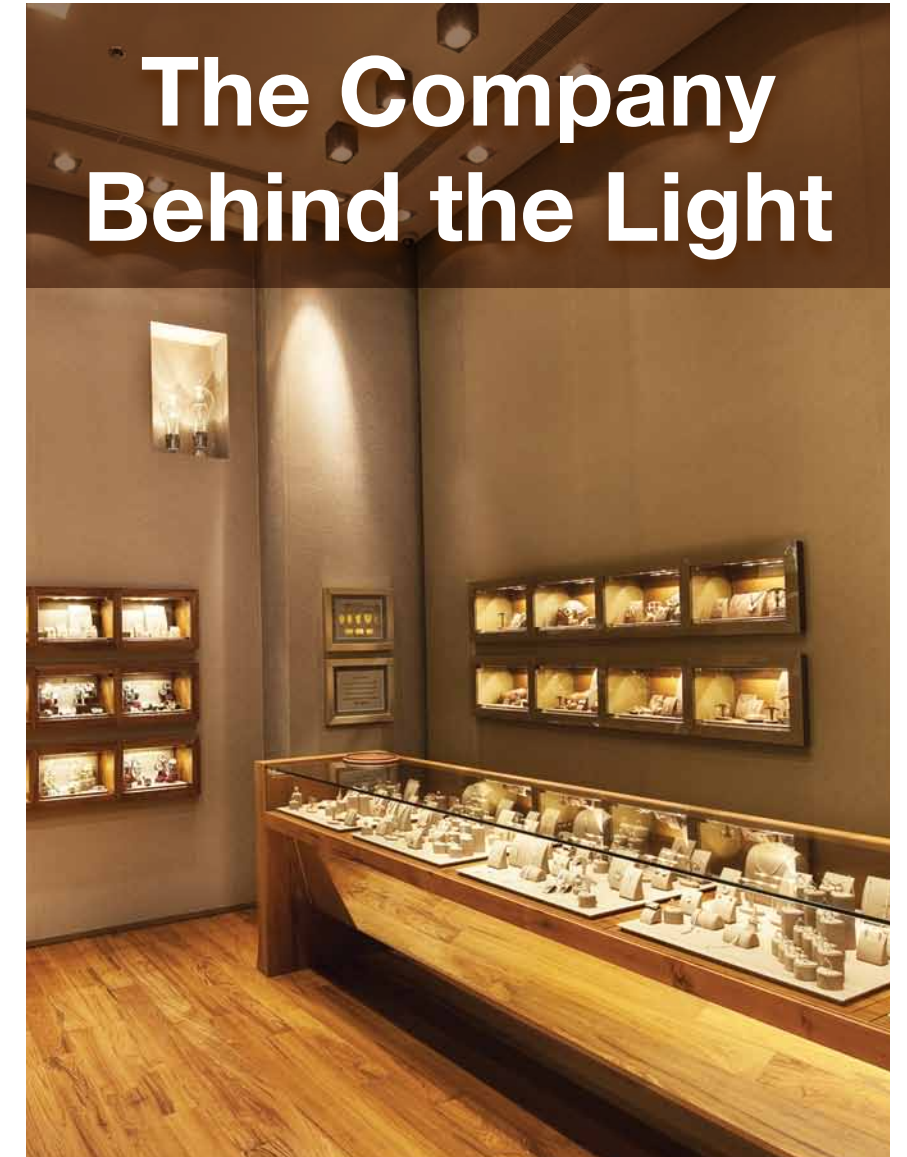
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The Company Behind the Light



The Market Leader in LED-based Lighting Solutions

Solid-State Lighting Expertise

Product Concept Development

Complete System Solutions

Sustainable Supply

An Exclusive Relationship

Philips Lumileds invented the High Power LED and Future Lighting Solutions created the first customer enabling model. Together we have pioneered commercial solid-state lighting.

FUTURE LIGHTING SOLUTIONS' HERITAGE

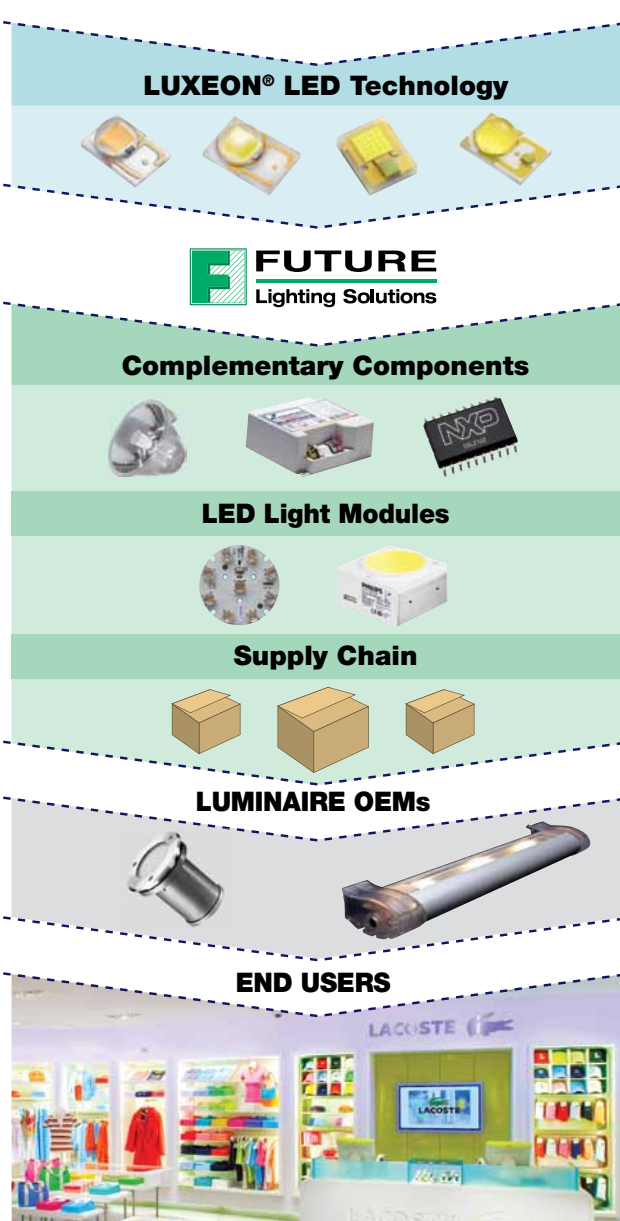
- 1968** Future Electronics was founded
- 2000** Exclusive worldwide agreement with Lumileds Lighting
- 2003** Created the Future Lighting Solutions division dedicated to Making LED Lighting Solutions Simple™
- 2010** Over 250 Dedicated Lighting resources worldwide

PHILIPS LUMILEDS' HERITAGE

- 1968** Began as a Hewlett Packard Division (first commercial LED invented)
- 1999** Lumileds Lighting formally founded (50/50 joint venture Agilent & Philips)
- 2005** Royal Philips Electronics acquired Agilent Technologies' shares in Lumileds Lighting
- 40+ years** of LED experience, 10+ years of experience in High Power LEDs

A total value source for LUXEON and LUXEON-based solutions in developing superior customer facing design tools, resources and reference designs.

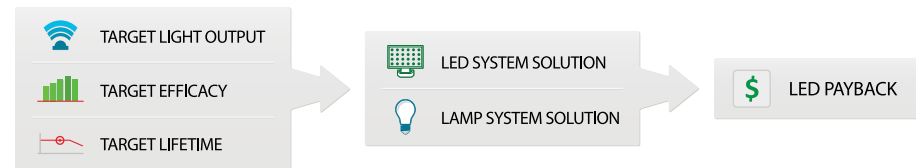
The Value Chain: Solid-State Lighting



Suite of Automated Design Tools

One of the ways that Future Lighting Solutions is making LED lighting solutions simple is through a proprietary suite of tools that Future Lighting Solutions developed to evaluate a variety of key factors as they relate to LEDs and the overall system performance.

SSL Designer



The SSL Designer is the first online design tool for solid-state lighting applications that combines the ability to set and optimize design parameters based on target specifications, with the ability to calculate system costs and payback schedules. This tool provides a starting point for developing LED systems. It facilitates and accelerates engineering design decisions as well as managing the tradeoffs between performance and costs.

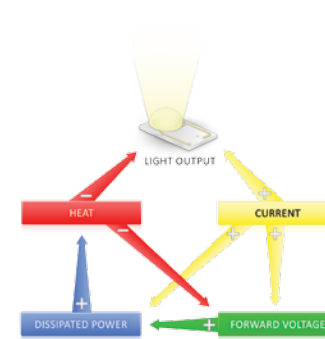
? To register for the SSL Designer, please visit www.FutureLightingSolutions.com/SSLdesigner

Usable Light Tool 2.0

SSL Designer complements other Future Lighting Solutions online tools, including our Usable Light Tool for analyzing performance and QLED for a detailed thermal analysis of your LED solution. While the SSL Designer is an all-in-one tool for making many critical decisions, you can further evaluate and refine your design by using our other tools in conjunction with it.

The ULT and SSL Designer are free, web-based tools that you can register for and start using right away. Go to the Development Tools section on our website and start designing your LED lighting system today!

? To register for the ULT, please visit www.FutureLightingSolutions.com/ULT

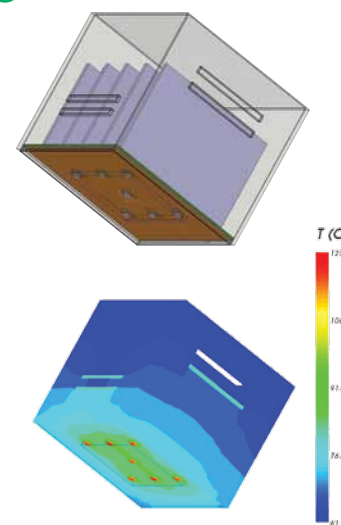


QLED Thermal Design and Simulation Software

QLED allows lighting designers and engineers to perform real-time thermal simulations of solid-state lighting systems using LUXEON® high power LEDs.

QLED is the only available thermal simulation software that includes accurate LED models. It is capable of full system analysis, with multiple components such as heatsinks, boards, fans, and openings.

The simulation results are generated in just a few minutes and include LED junction temperature, forward voltage and luminous flux. The software offers a multitude of step-by-step design wizards for all the standard components typically used in electronics design. You can access and share re-usable components, assemblies, and even whole models. You can download and install the software and use it free for 2 weeks. It is available to purchase as an annual, perpetual or floating license.

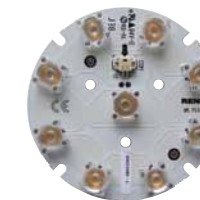


? For more information, and to download a two-week free evaluation version, please email QLED@FutureLightingSolutions.com or visit www.FutureLightingSolutions.com/QLED

Key ingredients in our ability to offer complete system solutions is through our technical, design & consultative services including optimized reference designs, integrated simpleLED solutions and our Lighting Resource Centers.

simpleLED Solutions

Future Lighting Solutions' simpleLED® program helps accelerate your time to market by providing you a broad portfolio of light engines which consist of LEDs on a board, with the option of secondary optics and an onboard connector. We offer more than a dozen different products available in stock today, as well as over 600 possible configurations, with only a 4 week delivery time. Our light engines have a 3 year warranty and use UL recognized components.



Nine-LED Circular Board



Six-LED Linear Board

Lighting Resource Centers

Future Lighting Solutions has two Lighting Resource Centers, one in Montreal, Canada and the other in Shenzhen, China. Both LRCs provide an unprecedented level of technical services and support, enabling you to develop LUXEON-based solutions. There are six main services we offer:

1. Proof of Concept Development
2. Electronic Circuit Development
3. Thermal Design and Simulations
4. Mechanical Design and Simulations
5. Optical Design and Simulations
6. LED and System Measurements

To determine if you qualify for one of these services, send an email to LRC@FutureLightingSolutions.com



Application-based Design Support

Future Lighting Solutions has released four comprehensive reference designs that will help lighting designers reduce the time and cost of developing LED-based luminaires in key market segments. The development of the reference designs included extensive work to define ideal target performance specifications for each application and that the designs met the majority of customer needs in terms of light output, light uniformity, system efficacy, lifetime and cost.

Each reference design is supported with:

- A demonstration kit containing the fixture, accessories and documentation
- A detailed application note, downloadable at www.FutureLightingSolutions.com/referencedesigns
- An SSL Designer online LED payback case study is available at www.FutureLightingSolutions.com/ssldesigner
- Optical, power, thermal and FR-4 board layout design files, available on request

? More information and an online form for requesting an onsite demonstration are available at www.FutureLightingSolutions.com/referencedesigns