

Future Lighting Solutions Releases Usable Light Tool 2.0

Online software enhanced to further simplify LED application development

MONTREAL, QUEBEC (January 21, 2010) – Future Lighting Solutions today announced an upgrade to its Usable Light Tool (ULT) for LED application developers. ULT 2.0 significantly enhances the ability for users to make informed decisions on selecting the appropriate LED, LED count, LED drive current, and heat sink in order to determine the usable light that will be generated under real world conditions for solid state lighting applications.

In addition, for the first time, users are able to easily visualize the LED system safe operating area and how parameters such as flux, efficacy, forward voltage, power consumption and junction temperature are impacted by factors such as variations in ambient temperature, heat sink thermal resistance and LED forward voltage bin range.

The primary ULT 2.0 enhancements include:

- Addition of new variables to be considered in output calculations including:
 - Circuit board selection
 - Heat sink selection
- Ability to generate up to 40 parametric output charts as a function of:
 - LED drive current
 - Ambient temperature
 - Heat sink thermal resistance
 - LED forward voltage bin range
 - LED flux bin range
- Dynamic link to relevant LED datasheets for fast reference
- Faster toggling between the input and results sections
- Link to ULT 2.0 tutorial and demonstration video
- Full compatibility with Future's [SSL Designer](#), a complementary tool for luminaire system level design

“By leveraging the various output charts from ULT 2.0, users can dramatically reduce the number of iterative scenarios they need to run to make clear design tradeoff decisions,” said Patrick Durand, Future Lighting Solutions Worldwide Technical Director. “These charts also facilitate validation and justification of these decisions to colleagues and management to further decrease time to market.”

The Usable Light Tool 2.0 is available at www.futurelightingsolutions.com/ult. The 5,000 registered users can login with their existing Future Lighting Solutions online tool username and password. New users can register at the same location.

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.

Press Release

January 21, 2010



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