Creating Today's Innovative Solutions

TracePro

Insures data and design documentation integrity by sharing a single model between Solidworks and TracePro.

Shortens product development cycle and streamlines the documentation process by specifying optical properties in one model.

Effectively communicates system level performance and design specifications between engineering specialties.

Lambda Research Corporation

TracePro

TracePro Bridge™ for SolidWorks®

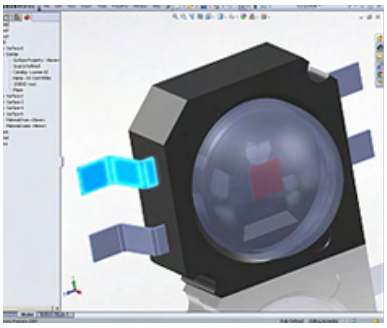
SolidWorks Add-In for managing optical and mechanical design work

Managing Design Work Flow

The design, tolerancing and documentation of optical systems require a high level of collaboration between optical and mechanical engineers. Design teams face increasingly shorter product development cycles and lower R&D budgets. To effectively manage collaborative work flow, Lambda Research Corporation offers tools that not only facilitate optical design, but also facilitate the overall system level development process by integrating the optical model into both the SolidWorks model and the design team's work flow.

TracePro

TracePro is a comprehensive, versatile software tool for modeling the propagation of light in opto-mechanical systems. Models are created by importing from a lens design program or a CAD program or by directly creating the solid geometry in TracePro. Source rays propagate through the model with portions of the flux of each ray allocated for absorption, specular reflection and transmission, fluorescence and scattering.



Free Trial Offer!

For a 30 Day Trial Offer Visit
www.lambdares.com/trials

From the model, analyze:

- Light distributions in illumination and imaging systems
- Stray light, scattered light and aperture diffraction
- Throughput, loss, or system transmittance
- Flux or power absorbed by surfaces and bulk media
- Light scattering in biological tissue
- Polarization effects
- Birefringence effects
- Fluorescence effects

TracePro Bridge for SolidWorks

TracePro Bridge is an add-in to SolidWorks that allows users to apply and save optical properties directly to the SolidWorks model via the TracePro System Tree within SolidWorks. To insure data integrity, a single model is used by both TracePro for ray tracing and optical analysis and by SolidWorks for mechanical design and modifying optical material properties. With the Bridge, users significantly accelerate the iterative design process - all without sacrificing performance or functionality.

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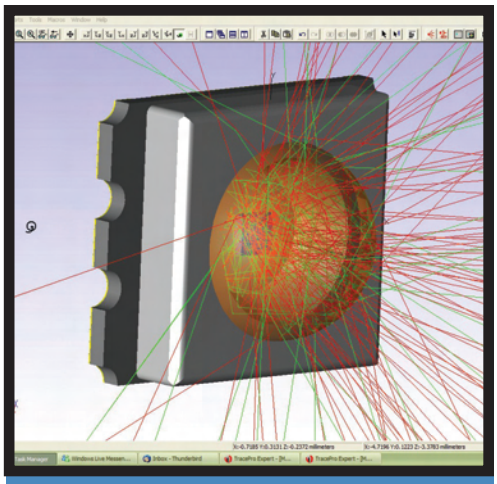


TracePro Bridge™ for SolidWorks®

SolidWorks Add-In for managing optical and mechanical design work

OPTIMIZING DESIGN WORK FLOW

Start with SolidWorks Model

Create parts and assembllies in SolidWorks. SolidWorks alone, however, will not accommodate the definition of optical properties of parts or assemblies.

Apply Optical Properties and Archive in SolidWorks

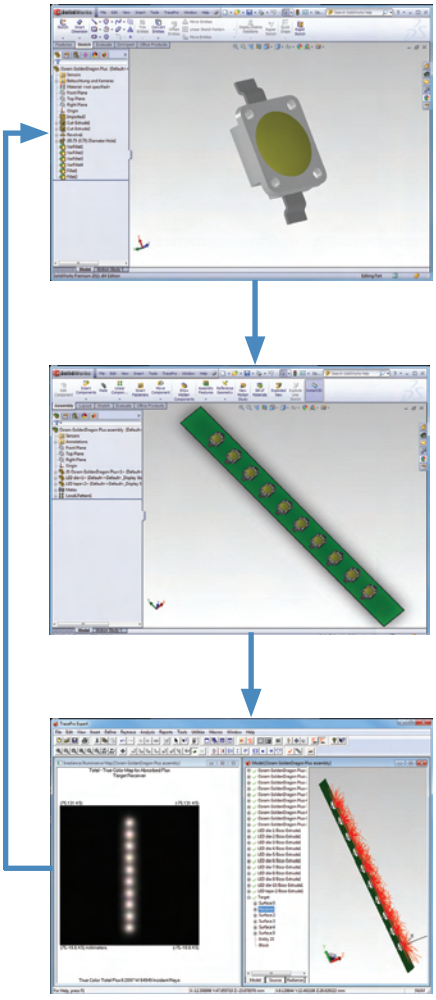
With the TracePro Bridge add-in, define and modify the optical component geometries and the optical material and surface properties within the TracePro System Tree in SolidWorks. Save the model to either a SolidWorks or TracePro file.

Daylighting

Optimize daylighting - sunlight redirection and light pipes combining sun light and artificial light illumination.

Open Model in TracePro, Trace rays and Analyze Optical Performance

Open the saved model in TracePro. Utilize all of TracePro's analysis capabilities to optimize and tolerance the optical design. Return to SolidWorks to modify the geometry and optical properties, and archive the updated model.



Maintenance & Support

Sustain the competitive advantage that TracePro delivers with an Annual Maintenance and Support Subscription. TracePro's ongoing innovations are provided throughout the year in software downloads that include a variety of updates and enhancements.

Training Classes

Training classes assist current and prospective users with their optical design and analysis challenges. Explore the power and versatility of TracePro, maximize the investment, and draw on the technical expertise and industry-specific knowledge of TracePro instructors.

Webinars & Videos

Lambda Research engineers are now posting webinars and videos on key topics to help you better use TracePro. Visit our webinar and videos section from our home page to view the latest presentations.

***SolidWorks/TracePro Bridge Compatibility:**
TracePro Bridge 7.x requires SolidWorks 2009 SP1.0 or later

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