

LightTools Introduction Training

LightTools is a unique optical engineering and design software product that features virtual prototyping, simulation, optimization, and photorealistic renderings of precision illumination applications. The software has adapted solid modeling technology to accommodate the inherent accuracy required to simulate ray paths of light as they traverse through and within optical elements and mechanical structures. The software is straightforward to use, accurate, has the most advanced capabilities commercially available, and supports the tasks of design and engineering iterations in addition to analysis.

Goals for this Course

The course will include how to:

- Create an opto-mechanical system model within LightTools, with native geometry or imported from a CAD program
- Use Surface Properties to define the interaction of light with smooth, scattering, and complex surfaces
- Use Boolean operations to construct complex structures
- Set up an illumination system, including multiple sources and multiple receivers
- Understand, interpret, and manipulate the intensity and illuminance analyses
- Create photorealistic renderings of models to visualize the system performance
- Improve system performance by using LightTools optimization with its various merit functions

Format for the Course

This online course will combine lectures and demonstrations, as well as hands-on examples and workshop problems. Questions and discussions are encouraged.

Time schedule:

4 days: 9:00am – 12:00am / 2:00pm – 5:00pm

Price:

1 000 euros/attendee

Course Outline

- Task Lighting
- Illumination in LightTools
- Uniform Intensity LED Lamp
- Projector Design
- Color Analysis
- Optical Properties and Materials
- Source Modeling and Apodization
- Backward and Hybrid Ray Tracing
- LightTools Macro Programming
- Utilities and Other Features

Who Should Attend?

Current users of LightTools are invited to attend these training sessions.

To Register or For Information:

Please contact: sales@lighttec.eu.com

IMPORTANT:

Each attendee should have his/ her own PC for the training.

LightTools must be installed on the PC. Light Tec will provide key files if needed.

Tuition includes teaching materials.

Tuition must be paid in full 10 days after the training.

Training sessions are subject to space limitations and topics are subject to change without prior notification

Minimum enrolments apply. Under 4 participants we will cancel the training and postpone your participation to the next training.

Contact Us

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