

## Tutorial 116.01: Introduction to the Raytracing Analyzer

### Abstract

This tutorial gives an introduction to the usage of the *Raytracing Analyzer* in VirtualLab. This analyzer visualizes rays within components and the principles of the *Geometrical Optics* operator.

**Author:** Tino Untermann, LightTrans GmbH  
**Keywords:** raytracing, ray, tracing, geometrical optics, introduction  
**Requirements:** VirtualLab version 4.9.0 or higher – **Starter Toolbox**  
**Version:** 1.1  
**Files:** Corresponding files can be found [here](#).

The actual tutorial is contained in the file Tutorial\_116.01\_Introduction\_Raytracing\_Analyzer.pdf. It refers to the sample file Tutorial\_116.01\_Introduction\_Raytracing\_Analyzer.lpd, which contains an appropriate *Light Path Diagram* including the *Raytracing Analyzer*.

### Technical Support

If you have any questions, remarks or problems concerning this tutorial, or in using VirtualLab in general, please do not hesitate to contact us by E-Mail [support@lighttrans.com](mailto:support@lighttrans.com).

Please use the update service to install the current version of VirtualLab. Alternatively you can use the latest **Trial Version** of VirtualLab which is available at our [download site](#). If you have been registered already for an older trial version, just contact us by [E-Mail](#).

To ensure that this tutorial gives the same results as described, set the global settings to the default values. In VirtualLab this can be done in the **Extras > Global Options** dialog with the **Reset All** button.