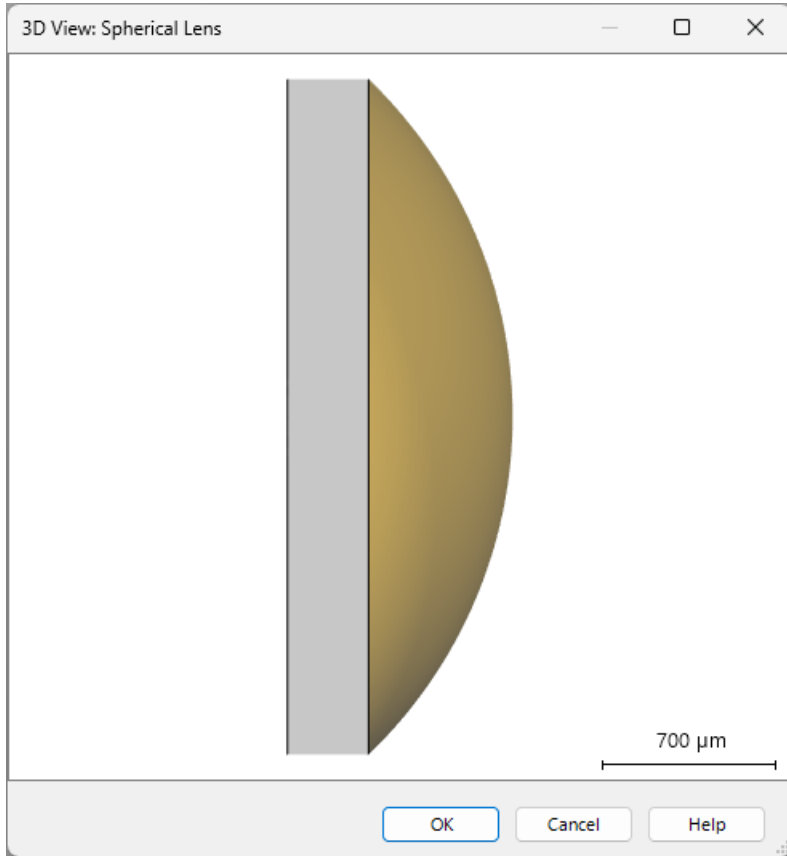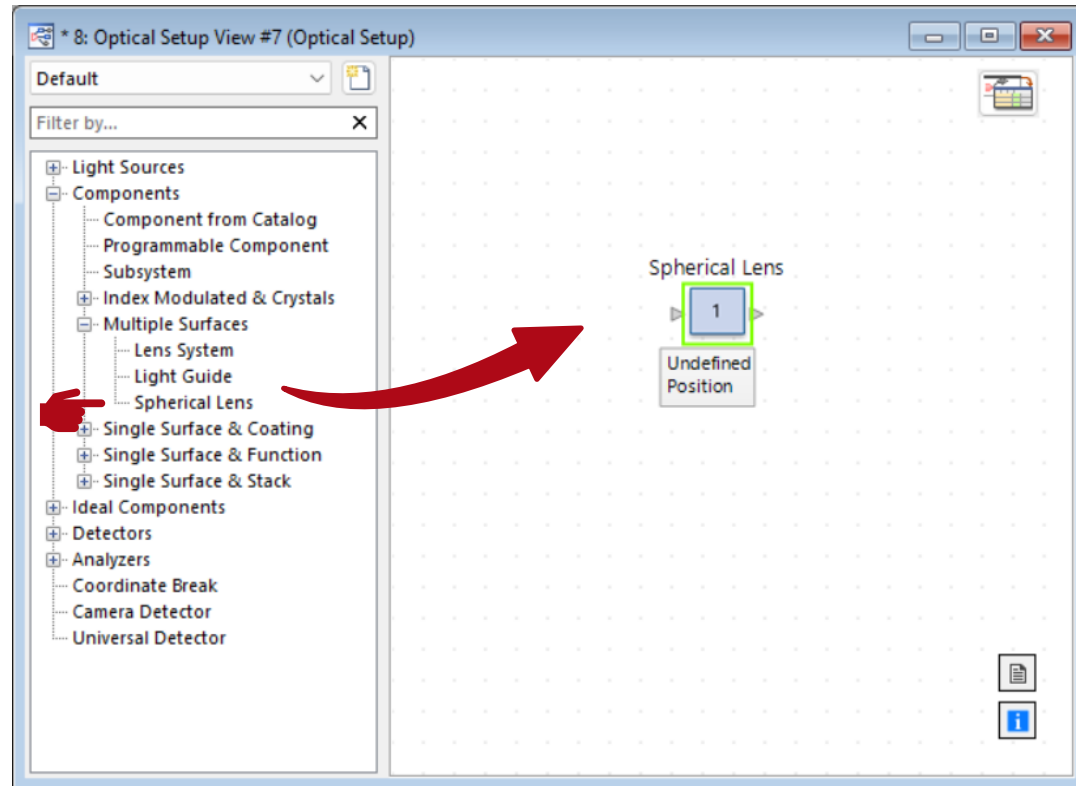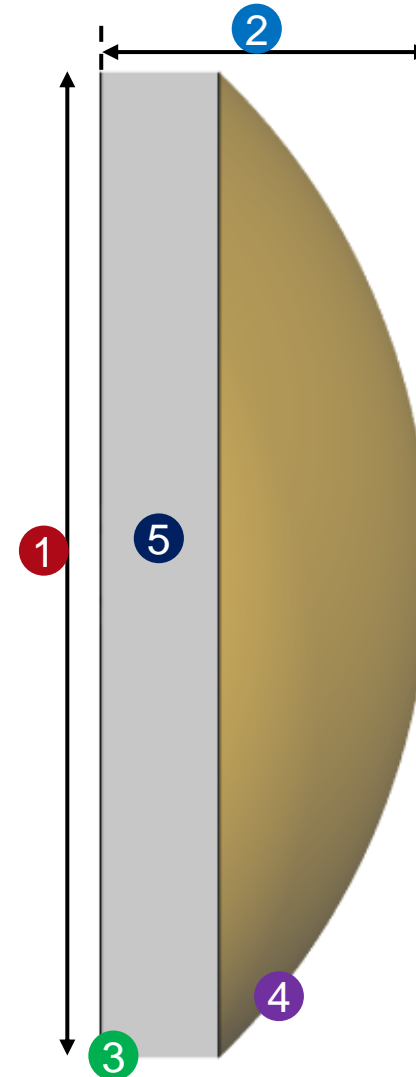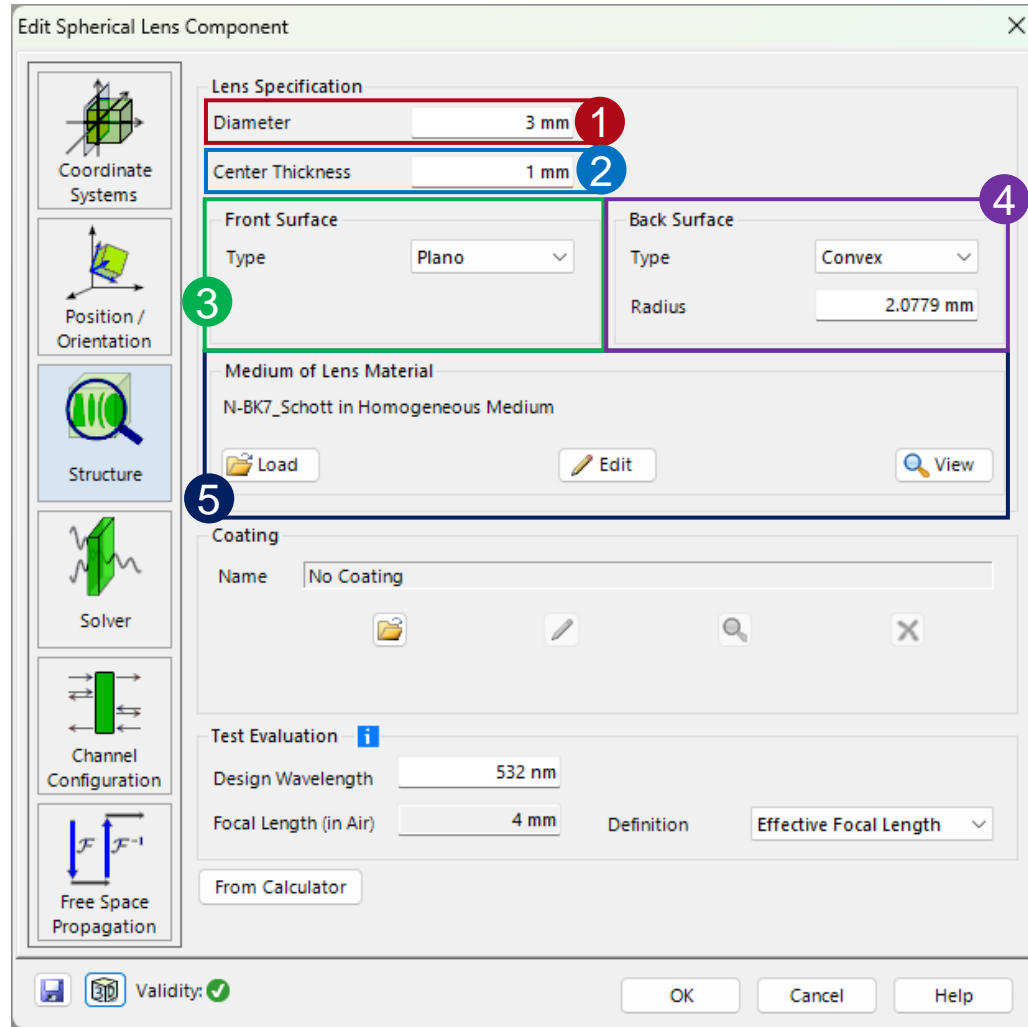# Spherical Lens Component

Abstract

Spherical lenses are essential tools for any optical designer. This Use Case demonstrates a component that facilitates their inclusion and specification in VirtualLab Fusion.
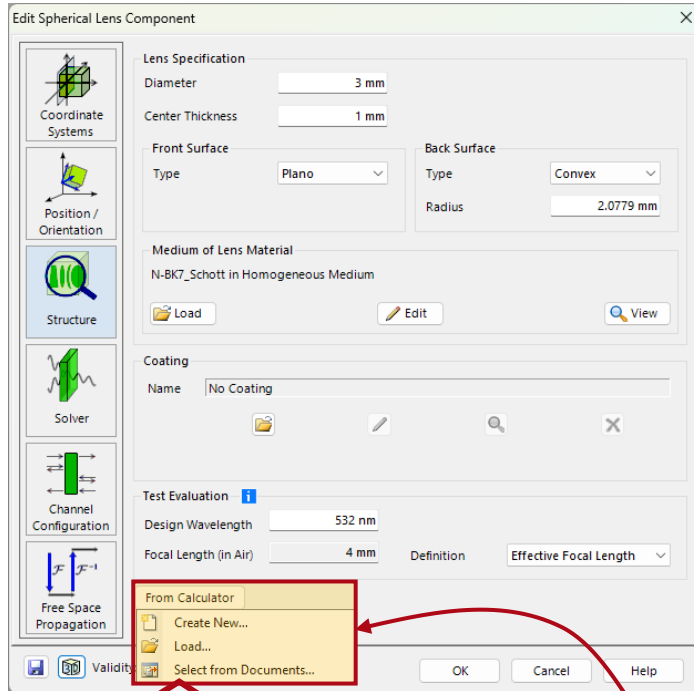
Where to find the Components?

The *Spherical Lens* component can be found under *Components > Multiple Surfaces.*
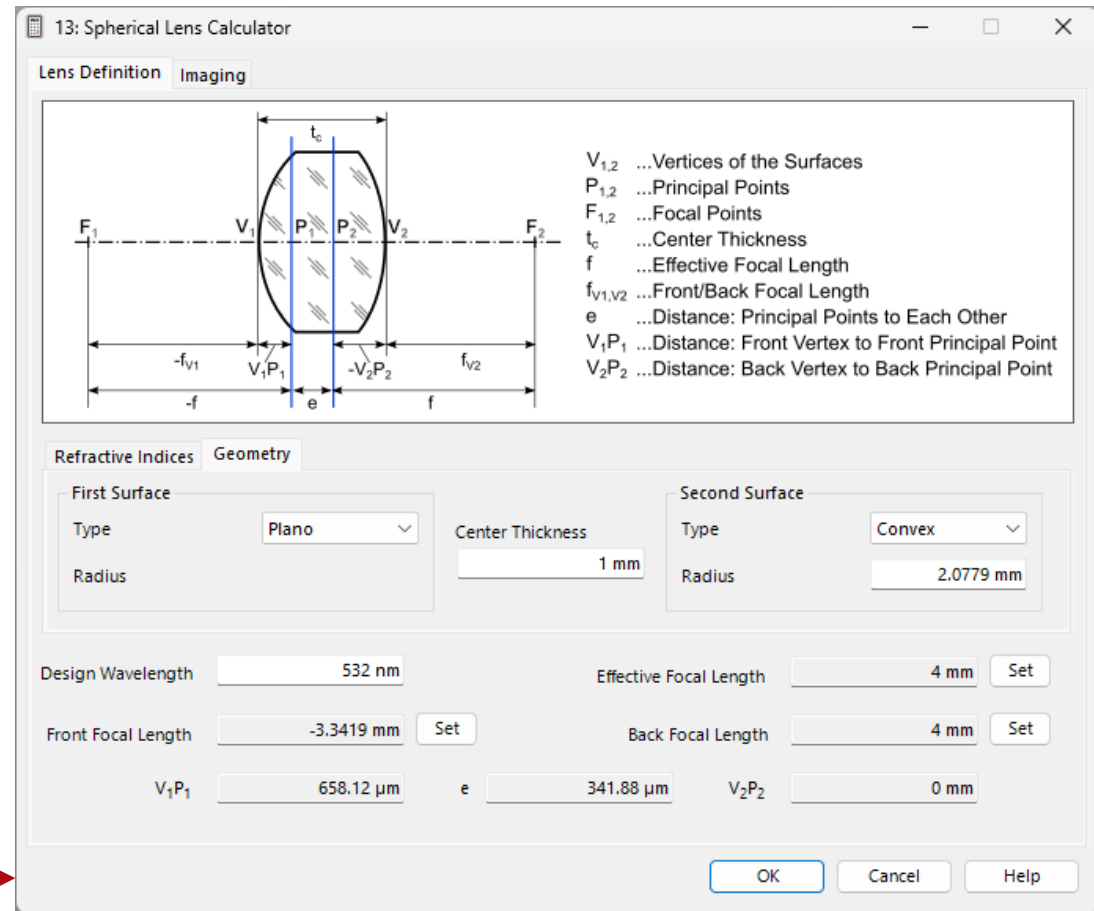
Basic Parameters

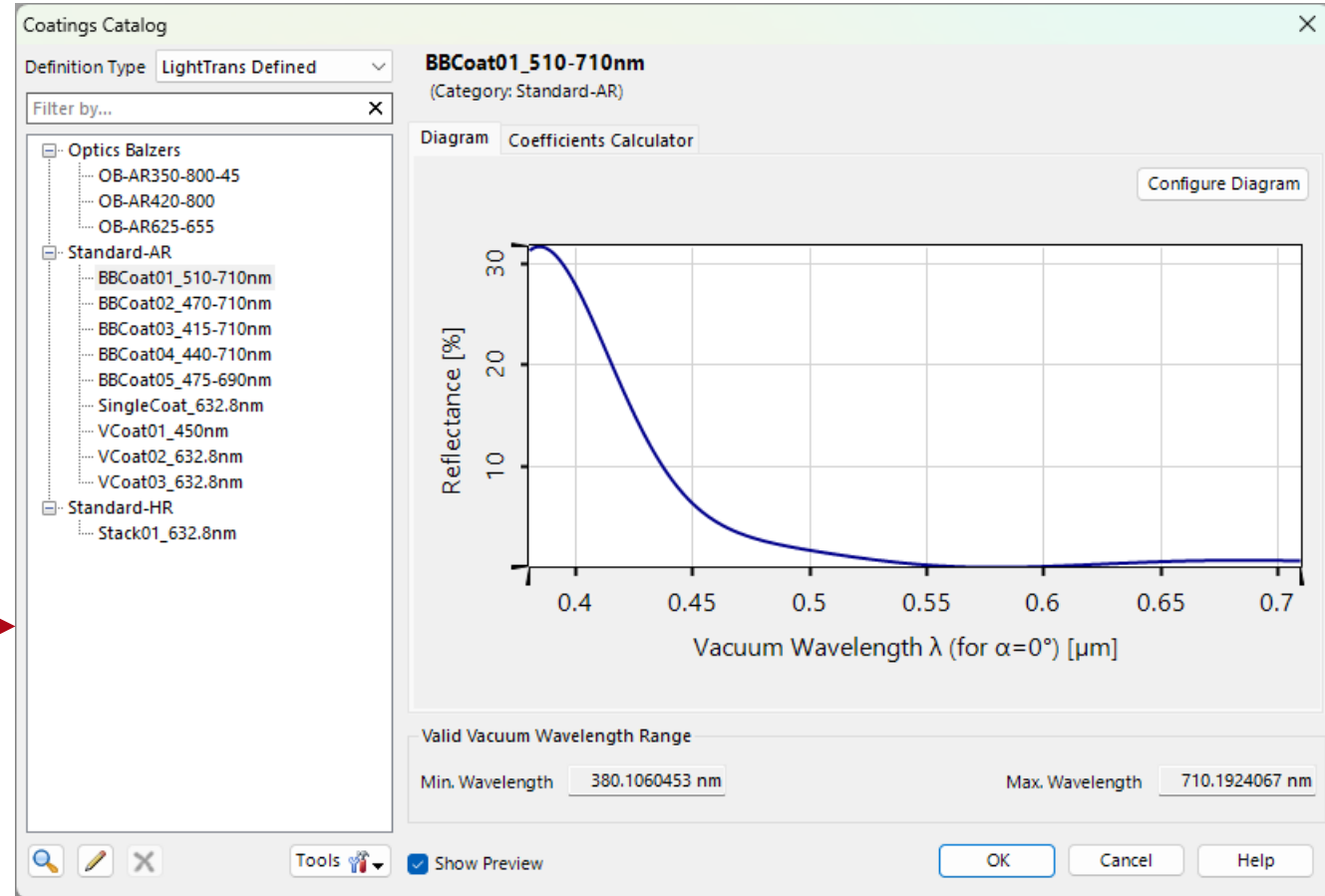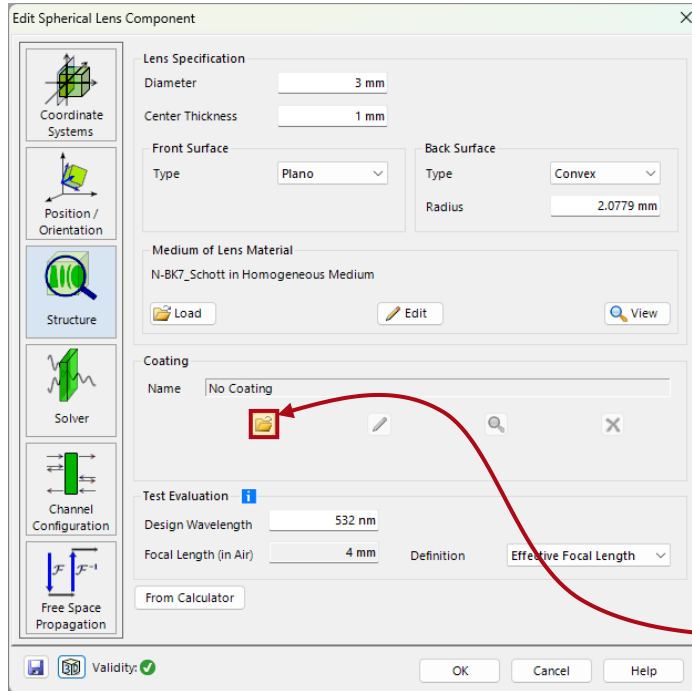# Creating Spherical Lens through Calculator

You can load an existing calculator or create a new one directly from this window.

Through the *Spherical Lens* calculator, one can automatically determine lens parameters by specifying the effective, front or back focal length.

Inclusion of Coatings

User- or pre-defined coatings (such as anti-reflection coatings) can be applied to the surface of the spherical lens. Find more information under: Stratified Media Component

Document Information

title	Spherical Lens Component
document code	SWF.0055
document version	1.0
required packages	-
software version	2024.1 (Build 1.132)
category	Feature Use Case
further reading	- Focus Investigation behind Aspherical Lens - Stratified Media Component