

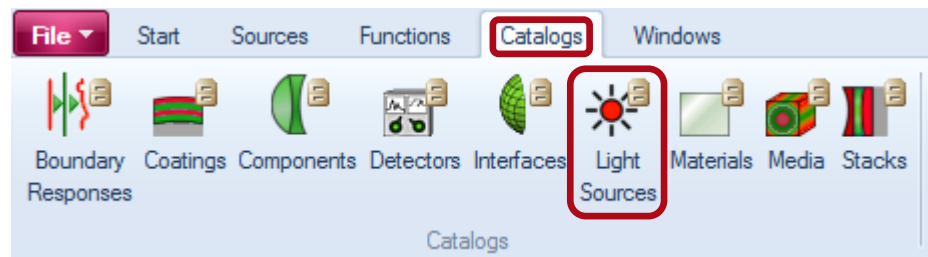
UseCase.0014 (1.0)

Light Sources Catalog

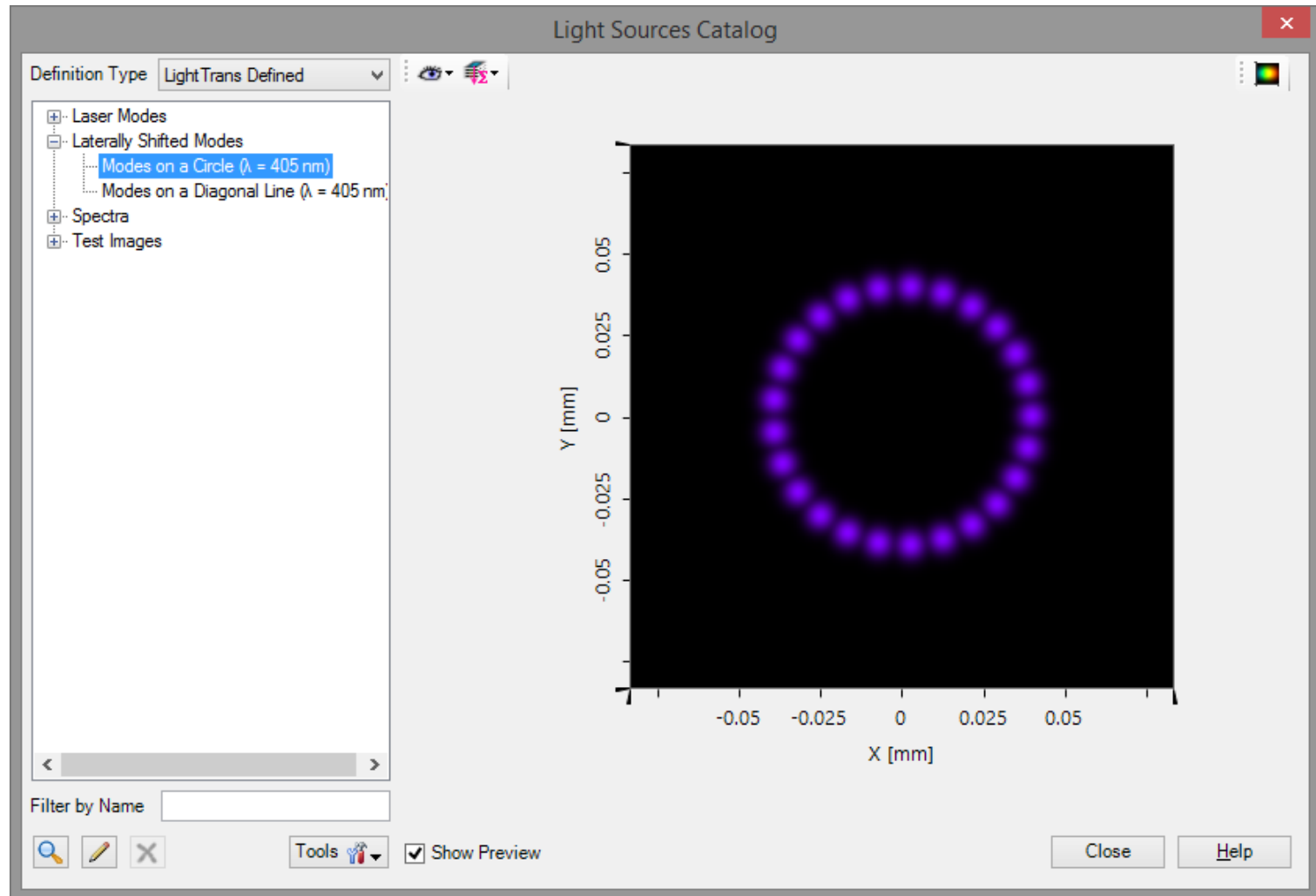
Keywords: light path diagram, predefined, catalog, source

Description

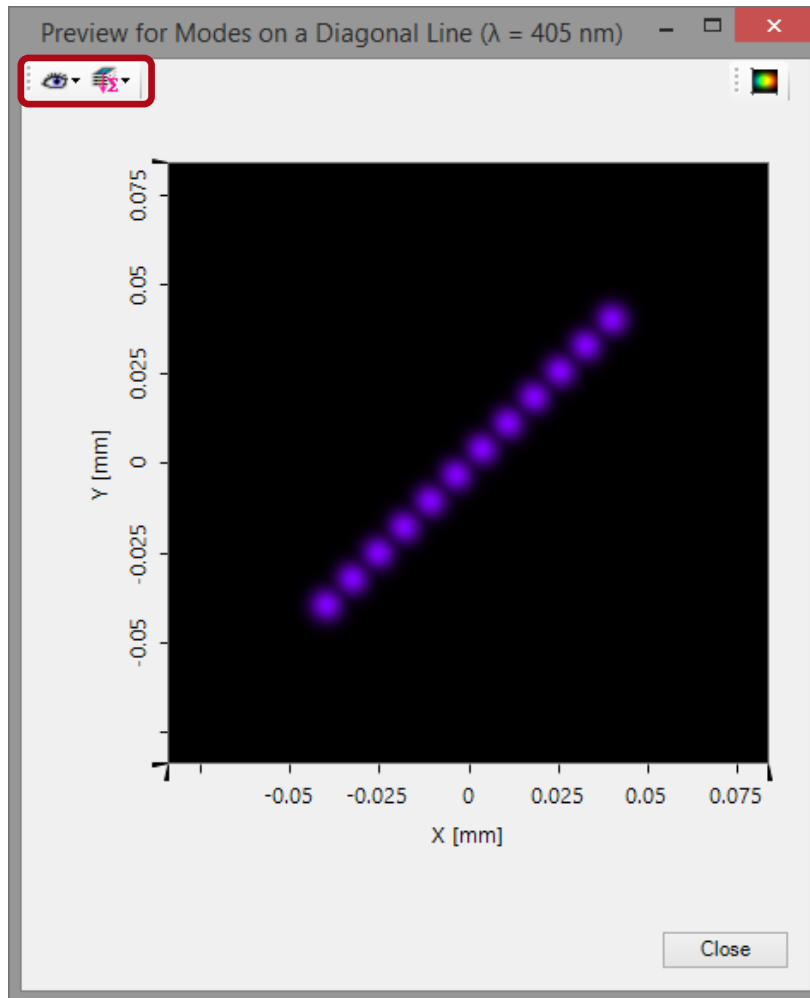
- This use case demonstrates the usage of the light source catalog.
- The light source catalog contains predefined light source generators.
- It is also shown how the light source catalog can be accessed from the light path diagram.
- The light source catalog can be opened within the main window of VirtualLab by clicking on the corresponding ribbon item.



Light Source Catalog

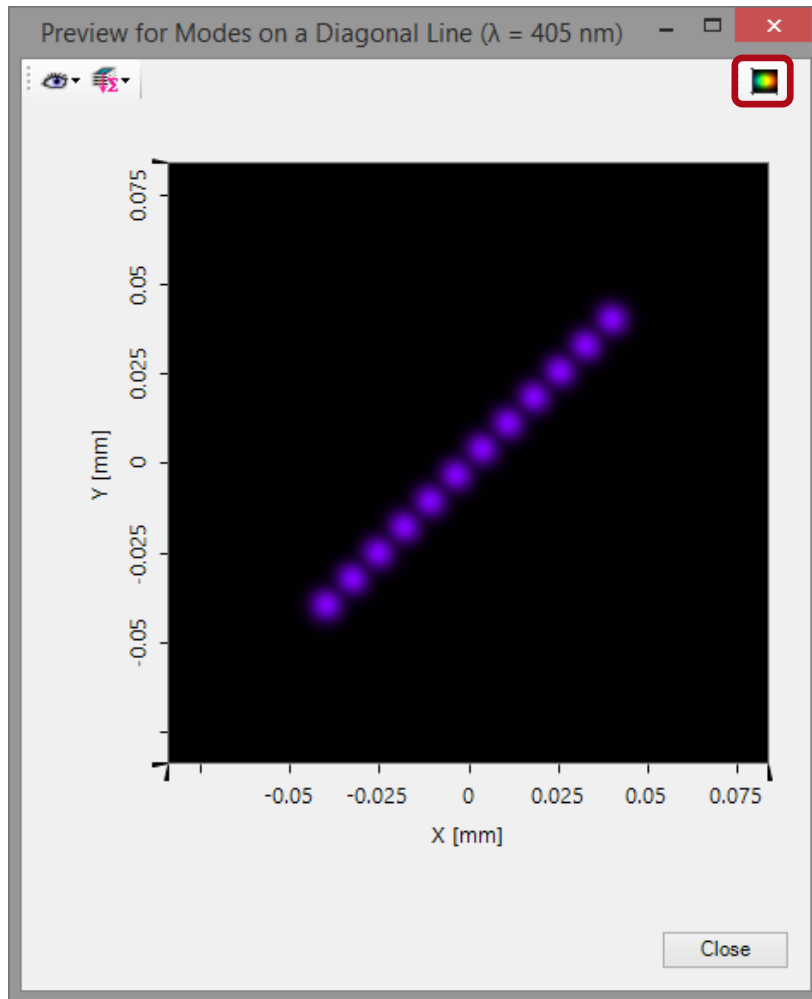


Preview of Light Sources



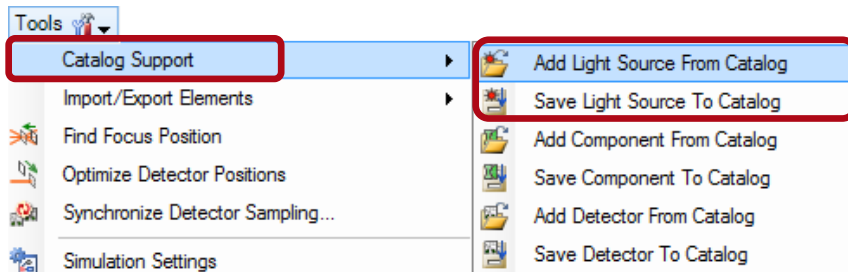
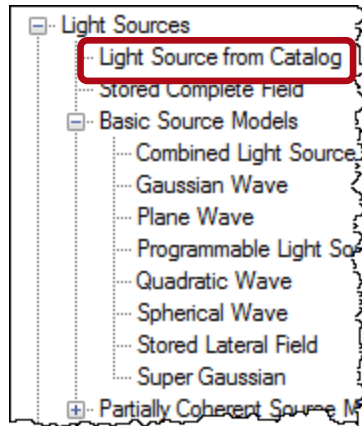
- The preview of the light sources within the catalog shows the intensity distribution as chromatic fields set.
- The user can specify whether real or false color shall be used for visualization.
- For polychromatic sources the user can also select whether one or all wavelength shall be shown.

Preview of Light Sources



Within the preview the user can also trigger to extract the chromatic fields set as separated document which can be used for further evaluations within VirtualLab.

Catalog Access within Light Path Diagram



- The user can access the light source catalog within the light path diagram.
- Therefore two options are available:
 - via the light path element tree (entry “Light Source from Catalog)
 - via light path tools (entry Catalog Support → Add Light Source from Catalog; or Save Light Source To Catalog)

Summary

- The light source catalog can be accessed from the light path diagram to use already defined source generators.
- The preview gives a first impression of the field generated by the selected light source.
- The options to modify the preview of the light source within the catalog gives the user more information about the particular field.