Instructions for using the ISX file types

Anthony Ang – Senior Optical Engineer, Luminit LLC

14 October 2016

The ISX file type is data that has been generated via Radiant Zemax (now Radiant Vision System) measurement from Luminit LSD samples. File support from Radiant Vision System may not be available in the future. Please note that Luminit has decided to discontinue additional generation of this file format. For a wider range of available models, please see our DLL type of model that is utilized on the Zemax Optic Studio platform.

Compatible software formats include:
a. Generic ASCII
b. Integra Specter
c. LightTools
d. Optis (SPEOS)
e. Trace Pro
f. Zemax

This file type (ISX) can be utilized in Zemax.

1) You must have the Premium version of Zemax in order to utilize these files.
2) Download file via Luminit website.
3) Place the file in the following location: Documents/Zemax/ScatterData/ISX/ISX files.
4) Open Zemax Optic Studio.
5) Choose the Non-sequential option.
6) Create a surface object (no volume, if volume object no material).
7) Open the Object properties.
8) Select Coat/Scatter
9) In the Scatter Models: choose "IS Scatter Catalog".
10) Choose one of the downloaded files.
11) You must also create a source and detectors.
12) When you trace rays, make sure the scatter option is activated.