

Ansyz Zemax OpticStudio Feature Comparison

General Capabilities	1	2	3
FlexNet Licensing	✓	✓	✓
Optimization	✓	✓	✓
Tolerancing	✓	✓	✓
Advanced Physics	1	2	3
Phosphors and Fluorescence		✓	✓
Phosphors and Fluorescence Spectrum Plot		✓	✓
ID In-House RCWA DLL		✓	✓
Imaging System Design & Analysis	1	2	3
Contrast Optimization	✓	✓	✓
Contrast Loss Map	✓	✓	✓
Full Field Aberration analysis	✓	✓	✓
Diffraction Efficiency	✓	✓	✓
Efficiency vs Angle	✓	✓	✓
Efficiency vs Wavelength	✓	✓	✓
TrueFreeForm Surface		✓	✓
Export Point Cloud		✓	✓
NSC Single Ray Trace	✓	✓	✓
Light Source Analysis		✓	✓
IES Source Models		✓	✓
Convert to Spectral Source File		✓	✓
Concatenate Spectral Source Files		✓	✓
Convert Spectral Source File to IES		✓	✓
Source Directivity Viewer		✓	✓
Source Polar Viewer		✓	✓
Source Spectrum Viewer		✓	✓
Tool Interoperability	1	2	3
Lumerical 2D RCWA Dynamic Link		✓	✓
Export to Speos Lens System	✓	✓	✓

Imaging System Tolerance & Stray Light Analysis	1	2	3
Quick Yield	✓	✓	✓
High Yield	✓	✓	✓
Yield Analysis	✓	✓	✓
Histogram Analysis	✓	✓	✓
Composite Surface	✓	✓	✓
Critical Ray Tracer		✓	✓
Critical Rayset Generator		✓	✓
Non-sequential ray tracing	✓	✓	✓
ISX Scatter Catalogs		✓	✓
Path Analysis		✓	✓
In memory Path Analysis		✓	✓
Structural Thermal Optical Performance Analysis	1	2	3
Alignment Check			✓
STAR System Viewer			✓
2D Deformation Plot			✓
Performance Analysis			✓
Thermal Index Plot			✓
FEA Data Viewer			✓
Active RBMs			✓
STAR Surface Viewer*			✓
Data Libraries	1	2	3
Design Templates	✓	✓	✓
Lens Catalog	✓	✓	✓
Materials and coatings catalogs	✓	✓	✓
Programming Interface	1	2	3
Zemax Programming Language	✓	✓	✓
Programmable interface (ZOS-API)	✓	✓	✓
User-defined surfaces, objects, scatter profiles and sources	✓	✓	✓

CAD Interoperability	1	2	3
CAD Assembly: Autodesk Inventor®		✓	✓
CAD Assembly: Creo Parametric®		✓	✓
CAD Assembly: SolidWorks®			
CAD Part: Autodesk Inventor®		✓	✓
CAD Part: Creo Parametric®		✓	✓
CAD Part: SolidWorks®			
CAD Part: Zemax Part Designer		✓	✓
Explode SolidWorks Assembly			
Explode Autodesk Inventor Assembly		✓	✓
Explode Creo Parametric Assembly		✓	✓
CAD Part Viewer		✓	✓
Lighting and Illumination	1	2	3
Lightning Trace		✓	✓
Source Illumination Map		✓	✓
Bitmap Wizard		✓	✓
CIE 1931 Color Chart		✓	✓
CIE 1976 Color Chart		✓	✓
Roadway Lighting Wizard		✓	✓
Roadway Lightning Analysis		✓	✓
Roadway Lighting		✓	✓
Radiant Source Model™ Viewer		✓	✓
Radiant Source Models		✓	✓
ReverseRadiance™ Detector		✓	✓
ReverseRadiance™ Target		✓	✓
ReverseRadiance™ Analysis		✓	✓
Lasers & fibers	1	2	3
Physical Optics Propagation (POP)	✓	✓	✓
Single mode fiber coupling	✓	✓	✓
Multi-mode fiber coupling	✓	✓	✓

- 1 Ansys Zemax OpticStudio Pro - Paid Up & Lease
- 2 Ansys Zemax OpticStudio Premium - Paid Up & Lease
- 3 Ansys Zemax OpticStudio Enterprise - Paid Up & Lease

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