OSLO EDITIONS COMPARISON			
OSLO Edition	**Light**	**Standard**	**Premium**
GENERAL SURFACE PROPERTIES			
Unlimited 3D optics, sources, surfaces, variables, & optimization targets (tilts & bends using local or global coordinates on all surfaces) with test plate libraries	YES	YES	YES
Non-sequential groups, Regular & tabular arrays, User defined gradient, sag, eikonal and DOE	NO	NO	YES
MULTICONFIGURATION SYSTEMS AND VARIABLES			
Zoom lens design, thermal configurations, athermal design, and nonsequential systems	NO	YES	YES
Curvatures, thicknesses, refractive indices & apertures, aspheric, tilts, decenter variables, wavelengths, ray aiming mode, reference surfaces, aperture and FOV variables	NO	YES	YES
STARTING DESIGN LIBRARIES			
OSLO demos & examples (40 lenses), vendor lens catalogs (192 lenses)	YES	YES	YES
Arthux Cox, Ellis Betensky, and Warren Smith libraries (705 lenses)	NO	YES	YES
Non-sequential & special examples (37 lenses)	NO	NO	YES
OPTIMIZATION AND TOLERANCING			
Autofocus for minimum paraxial focus, RMS spot size or OPD, Damped Least Square	YES	YES	YES
Zernike, MTF, Powell's Method, Global Optimization, Conformal optics (Wassermann-Wolf) solve	NO	NO	YES
Standard Surface, component and User defined tolerancing with uniform or Gaussian statistics	YES	YES	YES
Change table tolerancing using transverse, spherical, coma, axial & field D-d, best and back focus or focal length, distortion, lateral shear, magnification, axial & field sags and RMS OPD	NO	YES	YES
MTF/Wavefront tolerancing, Monte Carlo and Tolerance grades and Group tolerancing	NO	NO	YES
TOOLS AND ANALYSIS			
Spot diagrams, Wavefront and Aberration analyses, Point or line spread function, Intensity output, Geometrical and diffraction based energy distribution with encircled & ensquared energy, MTF, Gausssian beam interactive analysis, Gaussian beam astigmatic trace: independent YZ and XZ analyses	YES	YES	YES
Narcissus or ghost effects, export DXF, IGES, STEP and 10110 ISO drawings	YES	YES	YES
SCL, CCL - compiled command language (C language syntax - w/ open source library)	YES	YES	YES
Fiber coupling efficiency, Single-mode coupling with stepped-index or Gaussian-mode fibers	YES	YES	YES
Test plate analysis and ranking	NO	YES	YES
Polarization sources and analysis, Fiber Coupling with user defined mode	NO	NO	YES
Point or line spread function, vector diffraction, DOE efficiency, multi-layer coating analysis	NO	NO	YES