TracePro EDITIONS COMPARISON

Three Editions of TracePro are available to cost effectively accommodate your design and analysis needs

Edition	LC	Standard	Expert
FEATURES			
User-Friendly CAD Interface, Interoperability with Commercial CAD software through the SAT (ACIS) file format and Lens Design Software	YES	YES	YES
Scheme Macro Language, Recorder and Editor	NO	YES	YES
Material, Surface, Lens, Lamp and LED catalogs of commercially available glass, plastics, metals, anodized surfaces, paints, lamps and LEDs	YES	YES	YES
Optimization	NO	YES	YES
SOLID MODELING			
SAT Import and Export with Healing Utility	UNLIMITED	UNLIMITED	UNLIMITED
Lens Design Import for all commerical design programs including OSLO	UNLIMITED	UNLIMITED	UNLIMITED
TracePro Bridge for Solidworks Compatibility	UNLIMITED	UNLIMITED	UNLIMITED
CAD features including solid modeling, Boolean Operations, 3D interactive view, 3D Rendered, transparent, wireframe, hidden view and measurements	UNLIMITED	UNLIMITED	UNLIMITED
Multiple CAD translators including, CATIA, Inventor, Pro/E, STEP and IGES	OPTIONAL	OPTIONAL	OPTIONAL
PROPERTIES			
Surface Property modeling include absorption, reflection, refraction, scatter off any surface and bulk absorption	YES	YES	YES
Diffraction, Bulk Scatter, Grin, Thin Film Stacks, Polarization, Diffraction Gratings, Temperature Dependent and Anisotropic Properties	NO	YES	YES
Tabular Scatter Models, Repetitive Tile (Reptile™) Surface, Temperature Distributions, Birefringence, Wire Grid Polarizers and Fluorescence	NO	NO	YES
Scatter Models	SYMMETRIC	SYMMETRIC AND ASYMMETRIC	SYMMETRIC AND ASYMMETRIC
SOURCES			
Grid and Ray Sources	UNLIMITED	UNLIMITED	UNLIMITED
Surface Sources	UNLIMITED	UNLIMITED	UNLIMITED
Blackbody/Greybody Sources	UNLIMITED	UNLIMITED	UNLIMITED
Bitmap and Source Files (ProSource - Radiant Imaging)	UNLIMITED	UNLIMITED	UNLIMITED
RAYTRACE			
Monte Carlo with Ray Splitting	YES	YES	YES
Exact, Accelerated and Facetted Ray-tracing	YES	YES	YES
Simulation Mode (1 or multiple exit surfaces to see results) or Analysis mode (infinite surfaces to see results)	YES	YES	YES
ANALYSIS			
Irradiance/Illuminance and Candela Maps (Intensity) for both Photometric and Radiometric output, CIE(x,y), CIE(u,v) and True Color plots	YES	YES	YES
3D irradiance maps, Polarization and Luminance/Radiance (Lit Appearance)	YES	YES	YES
Flux, Ray History, Ensquared Energy, OPD and Time of Flight Reports	YES	YES	YES
UTILITIES			
Interactive Optimizer	NO INTERACTIVE OPTIMIZATION	FULL OPTIMIZATION	FULL OPTIMIZATION
BSDF Converter	SYMMETRIC PROPERTIES	SYMMETRIC & ANISOTROPIC PROPERTIES	SYMMETRIC & ANISOTROPIC PROPERTIES
Source Property Generator	YES	YES	YES
IES Import Utility	YES	YES	YES
Texture Optimization	NO	NO	YES
Fluorescence Property Utility	NO	NO	YES