

## For LightTools, LucidShape and LucidShape CAA V5 Based

The SmartStart Library is a curated set of routinely updated optical data for glasses, plastics, and surface finishes.

Glass and plastic data includes:

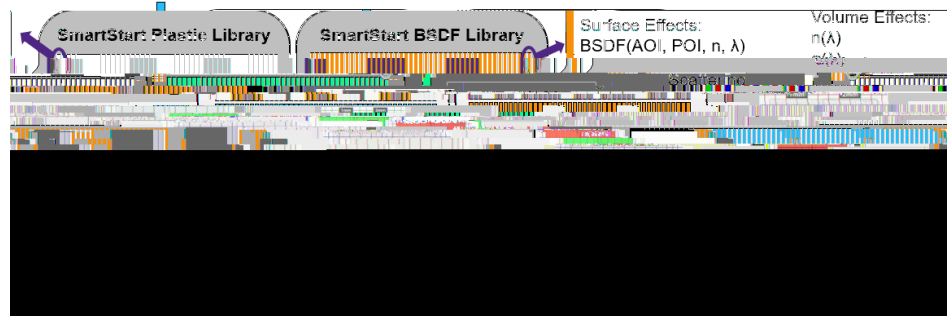
- Dispersion
- Wavelength-dependent absorption
- Volumetric scattering

Surface finish data includes:

- High-accuracy BSDF for commercially available reflectors and diffusers
- Refractive BSDF for mold textures that can be applied to any substrate
- Reflective BSDF for mold textures that are metalized using industry-standard methods

### D O R O O D

Lighting designers know that the best designs depend on the best input data. The Synopsys SmartStart Library provides designers with light scatter data for faster, more cost-effective product development. Hundreds of optical measurements are stored as data files for use in LightTools, LucidShape and LucidShape CAA V5 Based, provided with licensed modules in each software product. You can be confident that your product simulations will give you a complete picture of your final product's optical performance.



### -A D

Data in the SmartStart Library is obtained either directly from the vendor or through measurements by the Synopsys Optical Measurements Services team. Synopsys performs validation tasks on all incoming data to ensure accuracy. Examples of optical measurements include:

2D BSDF measurements — the slice has a 0.1 degree resolution in the plane of incidence

3D BSDF measurements — individual slices have a 0.1 degree resolution and slices occur every 10 degrees of azimuth

