

LucidShape CAA V5 Based offers the most comprehensive CATIA-based optical simulations of automotive lighting products. The product's fast, accurate modeling and analysis of part-level models and product-level assemblies have been enhanced with the following major new features.

Advanced Analysis Features

LucidShape CAA introduces new Advanced Analysis capabilities to consolidate and automate design evaluations.

Accurate Source Modeling and Positioning

LucidShape CAA now offers enhanced source modeling and positioning features to meet the demands of applications that require light sources with complex shapes. You can make any surface a light source. You can also group together axis systems and use them to easily create multiple duplicate light sources that must be placed in different positions or patterns.

Precise Performance Simulations

New options have been added to optimize optical simulation accuracy and speed in LucidShape CAA. When running a tessellated simulation, you can optionally specify the tessellation parameters for individual actors, which can be different from the global tessellation settings. This gives you flexibility to target selected actors for high-accuracy simulations, while optimizing overall simulation performance by keeping the remaining tessellation less dense.

Macrofocal Reflector and Lens Design

The MacroFocal reflector and lens design features have been enhanced to give you a new way to create a reflector or lens design that can be used in a variety of applications.