Update Guide
Release 2025.3

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INTRODUCTION

This document serves as a guide for new features, changes, and updates in TracePro 2025.3. This release has new features to make TracePro more convenient to use and expand its capabilities. This release also fixes several problems reported by TracePro users.

WHAT'S NEW IN TRACEPRO 2025.3?

Changes in TracePro 2025.3 consist of improvements to the new Sequence Editor, modeling of meta-surfaces created by PlanOpSim software, as well as fixes to issues reported by our customers and found by our staff. New features include:

- Sequence Editor
  - Importing of lens design files including OSLO (.len, .osl), Zemax® (.zmx), and Code V® (.seq).
  - Better support of mirror surfaces.
- PlanOpSim support
  - Modeling of meta-surfaces created using PlanOpSim software.

For more details on fixes to specific problems, please refer to the Revision History on the Current Release page in the TracePro Support section at www.lambdares.com.

SEQUENCE EDITOR

The Sequence Editor now has a new capability importing lens files from OSLO, Code V®, and Zemax®. To import a lens, select **File > Import Lens** in the Sequence Editor, and browse to the file (.len, .osl, .seq, or .zmx) that you wish to import.

The Sequence Editor also has better handling of reflective systems.

MODELING PLANOPSIM META-SURFACES

The ability to model meta-surfaces designed using PlanOpSim software (www.planopsim.com) has been added as a new Surface Property type. In summary, to model a PlanOpSim meta-surface:

1. Create a new Surface Property using the Surface Property Editor.
2. Set the Type of the property to PlanOpSim.
3. Select a surface in your model for applying the property.
4. Select Define|Apply Properties, Surface page.
5. Select the property you created.
6. Enter the path to the .psrt file in the User Param field.
7. Enter the Property Orientation data.

There is a tutorial with example psrt file on our web site at:

https://lambdares.com/support-posts/using-planopsim-metasurfaces-in-tracepro