

Wavefront Phase Modifier [Surface, Profile-Defined]

Digital Twin Specification

Twin Code:	CF-WPMS01
Twin Name:	Wavefront Phase Modifier [Surface, Profile-Defined]
Category:	Component
Type:	Function-Based
Version:	1.0
Package:	Platform
Last Updated:	2026-07-02

Description

Modifies the wavefront phase on a surface using a prescribed phase profile. This twin applies a user-defined phase modification to the incident field while following the geometry of the supporting surface. It is intended for workflows where the required phase profile is already known and should be applied directly.

⚠ Note: This specification sheet is under active development. Detailed technical descriptions, model parameters, and usage examples will be added over the coming months.

Author:	LightTrans International GmbH
Contact:	support@lighttrans.com
Keywords:	wavefront phase modifier, surface, profile-defined, phase profile, wavefront shaping
Related Twins:	WPMP01, WPMS02, WPMP02