

Wavefront Correctors

A Wavefront Corrector is a phase plate that corrects static wavefront deformations. The encoded phase map is a spatial distribution which has the reverse shape of the wavefront aberration. When properly designed, it acts like a null optics by compensating the wavefront shape.

Specifications*

Substrate

<i>Diameter:</i>	up to 100 mm
<i>Thickness:</i>	from 0.5 mm to 9.5 mm
<i>Material:</i>	fused silica (high transmittance from 0.5 to 2.5 microns, very low refractive index change versus wavelength)

Encoded Phase Map

<i>Data:</i>	Phase Map data provided by customer.
<i>Pixel size:</i>	From 10 x 10 microns ² to 100x100 micron ²
<i>Encoded Phase Profile:</i>	etched multilevel profile (up to 256 levels)
<i>Wavefront PTV:</i>	up to 10 microns

* Please contact us for other specifications

Reflective Phase Screen

Wavefront Correctors are also available with aluminium or gold coating for reflective applications.

Fields

Laser applications
Instrumentation
Astronomy

Category

Phase component

