



## Turbulence Phase Screens

### General

Phase Screens are transmitting optical elements whose surfaces present an encoded bi-dimensional aberration. The encoded phase map is a spatial distribution typical of atmospheric turbulence. A plane wavefront passing through emerges distorted according to the encoded aberrations.

### Specifications\*

#### **Substrate**

<i>Diameter :</i>	up to 100 mm
<i>Thickness :</i>	1.0 mm or 1.5 mm (other on request)
<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>	100 x 100 microns <sup>2</sup>
<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

Phase Screens are also available with aluminium or gold coating for reflective applications.

### Fields

Astronomy  
Laser applications

### Category

Phase component

