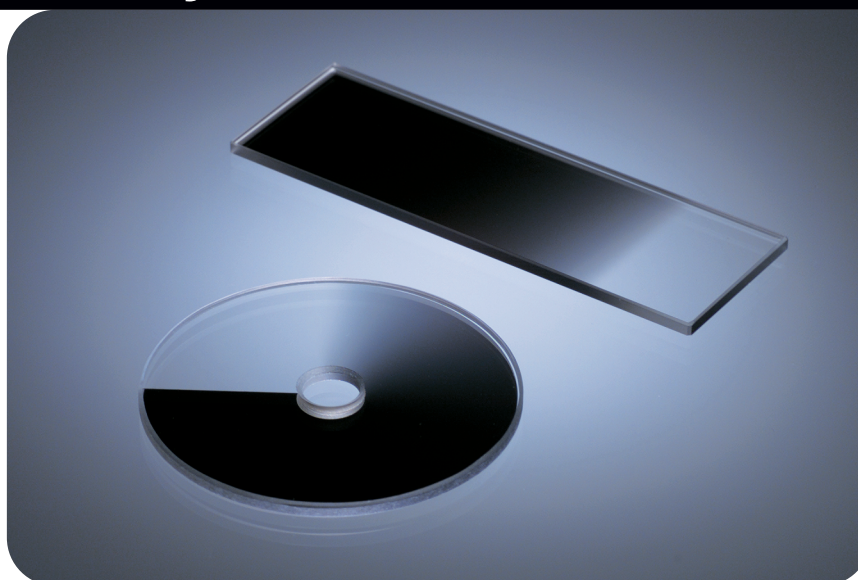
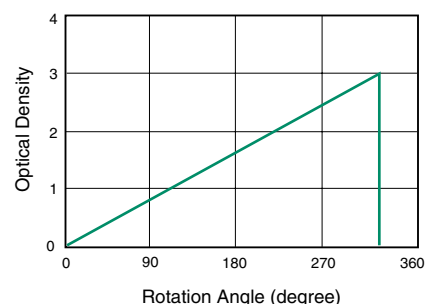


Variable Neutral Density Filters

- *Ideal for beam intensity matching*
- *Continuous variability of density*
- *Choice of density ranges*



Typical Circular Variable Density Filter



Ealing Variable Neutral Density Filters are useful in any situation where continuous control of intensity is required. They utilize the same type of inconel film which is used in our reflective neutral density filters except that the density of the film is varied in a continuous linear fashion. Both circular and linear versions are offered with a range of sizes and density ranges.

For the circular versions, the filter density varies linearly from zero to approximately 1, 2, 3, or 4 over a 270 degree arc. There is no appreciable density variation radially across the annular clear aperture. Spectral flatness is excellent throughout the visible, and may be used effectively from 380-2000 nm.

Specifications

Substrate: B270 glass
Coating: Inconel
Dimensions Tolerance: ± 0.5 mm
Thickness Tolerance: ± 0.5 mm
Parallelism: 3 arc min
Spectral Range: 380-2000 nm
Density Tolerance: 5%
Surface Quality: 60-40

Variable Neutral Density Filters

Catalog Number	Shape	Density range	Dimensions (mm)	Thickness (mm)	Central hole Diameter (mm)	Price US
35-6824	Round	0.04-1.0	50 dia	2.5	7.5	\$310.00
35-6832	Round	0.04-3.0	50 dia	2.5	7.5	\$310.00
35-4134	Round	0.04-2.0	76.2 dia	3.2	12.7	\$345.00
35-4142	Round	0.04-2.0	152.4 dia	3.2	23.8	\$540.00
35-4159	Round	0.04-4.0	152.4 dia	3.2	23.8	\$540.00
35-6808	Rectangular	0.04-1.0	25.4 x 76.2	2.5		\$220.00
35-6816	Rectangular	0.04-3.0	25.4 x 76.2	2.5		\$220.00