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Radial Polarization Converters



- Converts Linear Polarization to Radial or Azimuthal
- Converts Circular Polarization to an Optical Vortex (Donut-Shaped Beam)
- High Damage Thresholds in the Nano- and Femtosecond Range
- Higher-Order Versions Can Generate Higher Order Polarization Patterns and Optical Vortices

Common Specifications

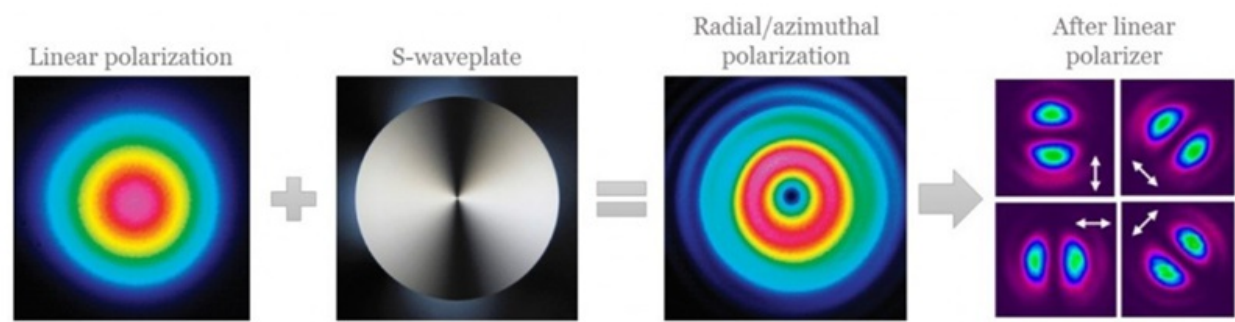
Physical & Mechanical Properties

Clear Aperture CA (mm):	6.0	Diameter (mm):	25.40
Thickness (mm):	3.00	Thickness Tolerance (mm):	±0.1
Dimensional Tolerance (mm):	+0.0/-0.1	Construction:	Self-Organized Nanogratings

Optical Properties

Substrate:	Fused Silica (Corning 7980)	Surface Quality:	20-10
Transmission (%):	80-94 (wavelength dependent)	Surface Flatness (P-V):	$\lambda/8$
Damage Threshold, By Design:	20 J/cm ² @ 1064nm, 3.5ns		

Technical Information



Products

Wavelength Range (nm)	DWL (nm)	CA (mm)	Dia. (mm)	Type	Surface Quality	Stock Number	Price	Buy
612 - 652	632	6.0	25.40	Polarization Converter	20-10	#89-447	€4.410,00	Contact Us
775 - 825	800	6.0	25.40	Polarization Converter	20-10	#89-448	€4.410,00	Contact Us
995 - 1065	1030	6.0	25.40	Polarization Converter	20-10	#89-449	€4.410,00	Contact Us



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