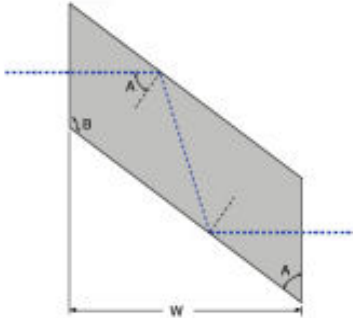


fresnel rhomb

Fresnel Rhomb have a parallelogram cross-section.

They are used as an achromatic quarter-wave retarder. Incident beam is 2 times totally internally reflected, resulting of quarter wave phase shift between orthogonal polarization. Combination of 2 Fresnel Rhomb result in an achromatic half-wave retarder.

WEBCODE:		D171-xxx	
DRAWING			
			
SPECIFICATIONS	SYMBOL	VALUE	
Type		Rhomboid	
Material		BK7	
Angle	A	54.6°	
Width	W	10 mm	
Length	L	10 mm	
Angle tolerance		3 arc min	
Dimension tolerance		+/- 0.1 mm	
Flatness		$\lambda / 2$	
NOTE		All specifications are customized upon request	