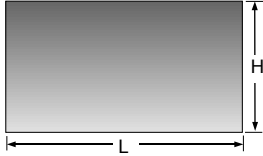


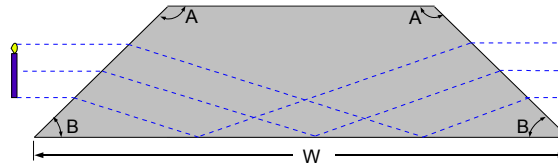
45° DOVE PRISMS

LENS DRAWING

FRONT view



SIDE view



3D view

NOTE : Dove prisms inverse the image (180°) when used as shown.
Image is rotated 90° when the prism is rotated 45° among optical axis.

LENS DESIGN INFORMATION

Ordering Code PRI_DOV_MAT_H_L_AR(λ1-λ2)	Dimensions ¹					
	H	W	L	A	B	
Material : BK7		Wavelength : 632.8 nm		Refractive index : 1.5151		
PRI_DOV_BK7_1.0_L_AR(λ1-λ2)	1.0	4.235	custom	135°	45°	
PRI_DOV_BK7_3.0_L_AR(λ1-λ2)	3.0	12.703	custom	135°	45°	
PRI_DOV_BK7_5.0_L_AR(λ1-λ2)	5.0	21.173	custom	135°	45°	
Material : Fused silica		Wavelength : 632.8 nm		Refractive index : 1.45702		
PRI_DOV_FS_1.0_L_AR(λ1-λ2)	1.0	4.495	custom	135°	45°	
PRI_DOV_FS_3.0_L_AR(λ1-λ2)	3.0	13.485	custom	135°	45°	
PRI_DOV_FS_5.0_L_AR(λ1-λ2)	5.0	22.475	custom	135°	45°	

1. Units: mm

Helpful formula for custom 45° Dove prism design

$$W = 2 H \frac{\sqrt{2n^2 - 1}}{\sqrt{(2n^2 - 1)} - 1}$$

FOR CUSTOM PRISMS DIMENSIONS REQUIREMENTS, CONTACT US AT SALES@DORICLENSES.COM OR (418)877-5600.

Legend

PRI : Prisms MAT : Material (see Material list) H : Height W : Base width L : Length
A : Top angle B : Base angle AR(λ1-λ2) : AR coating wavelength

