

Type	Volume Phase Holographic Transmission Grating
Spatial Frequency	600 lines per mm
Tolerance on Spatial Frequency	+/- 2 degree
Design Wavelength	600 nm
Angle of Incidence (AOI)	10.4 degrees
Tolerance on AOI	+/- 1 degree
Diffraction Order	1st
Substrate	N-BK7 glass
Grating Film	Dichromated Gelatin (between two glass substrate)
Diffraction Efficiency	≥ 0.7 at 500 nm, ≥ 0.8 at 600 nm, ≥ 0.7 at 700 nm, ≥ 0.5 at 800 nm
Working Wavelength Range	450-850 nm
Anti-reflection Coating	< 1.5 % average reflection per surface in 450-850 nm
Dimension - Diameter	50.8 mm
Tolerance in Diameter	+/-0.2 mm
Dimension - Thickness	6 mm
Tolerance in Thickness	+/-0.3 mm
Clear Aperture	> 48 mm
Polarization Requirement	Unpolarized (low polarization dependent loss)
Surface Quality	40-20 Scratch-Dig
Transmission Wavefront Error (r.m.s.)	$\lambda/4$ (wavelength/4 at 632.6nm)
Marking	Mark on edge indicating line direction
Mount	Unmounted or mount as per clear aperture requirement