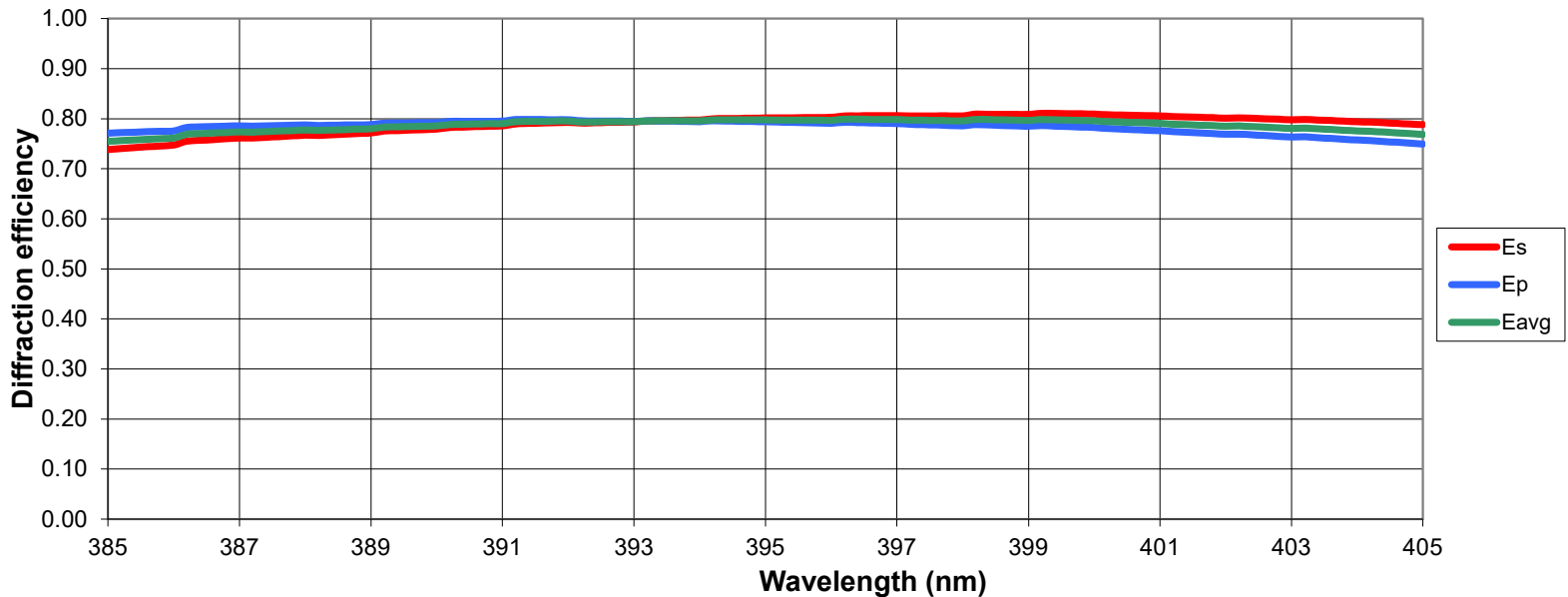


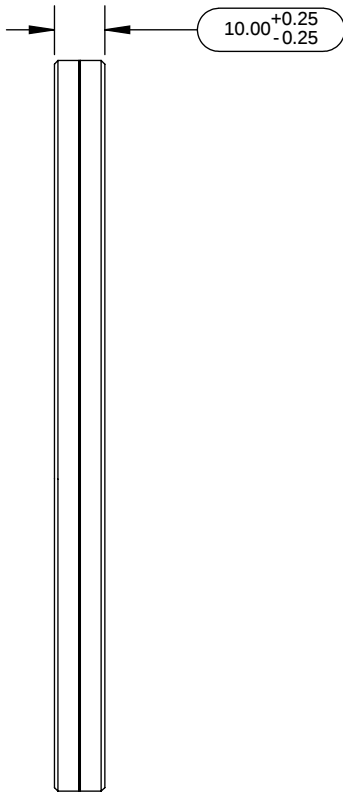
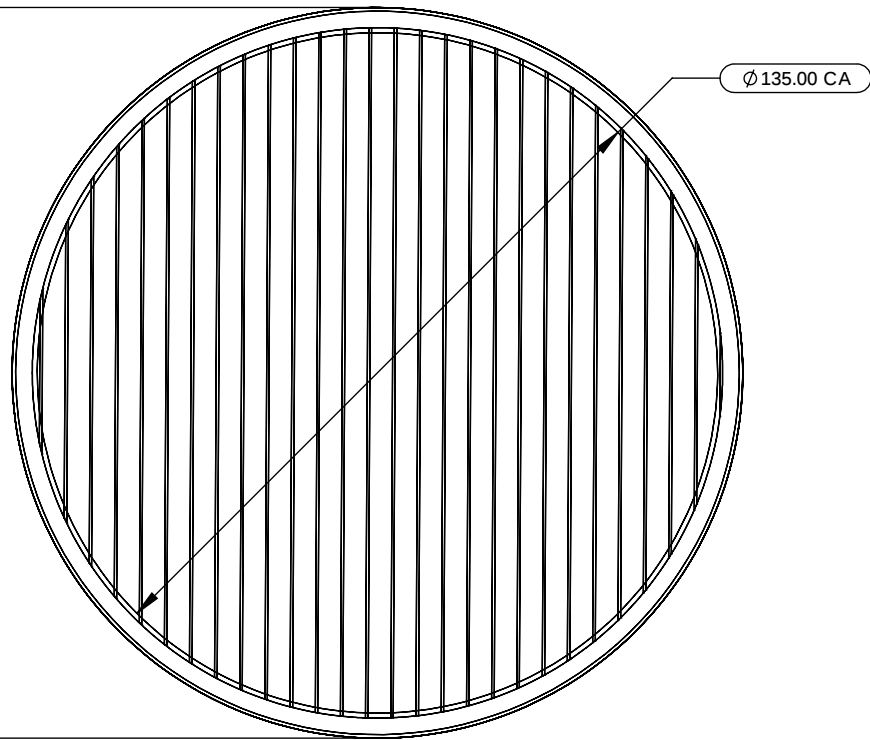
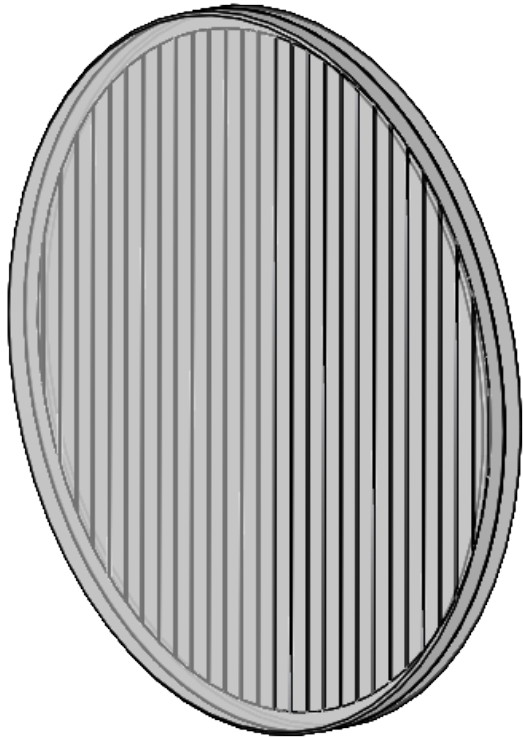
Efficiency versus Wavelength 2532 l/mm 395 nm



Diffraction efficiency curves are theoretical. Actual performance will vary slightly.
Includes: glass absorption data, adhesive absorption data, film absorption data, manufacturing tolerances.

Specifications 2532 l/mm @ 395 nm	
Spatial Frequency	2532 l/mm +/- 0.5 l/mm
Wavelength Range	385 to 405 nm
Center Wavelength	395 nm
Angle of Incidence	30°
Dimensions	145 mm dia +/-0.25 mm
Thickness	10 mm +0.25/-0.25 mm
Clear Aperture	135 mm dia +1/-0 mm
Polarization	Average
Surface Quality	80/50
Substrate	N-BK7 or equivalent
AR Coating	RAVG<0.5% 385-405nm
Grating Lines	Indicated by Mark on Edge
Wavefront	$\lambda/5$ RMS at 633 nm over any 50mm aperture in CA

カスタムVPHグレーティング
#VPH-2532I-395nm-D145-10-BK7-KH24



GRATING REQUIREMENTS					
ITEM	UNITS	MIN	TYP	MAX	TOLERANCE
THICKNESS	mm	10			+/-0.25
OVERALL SIZE	mm	145 Dia.			+0/-0.15
GRATING AREA	mm	137 Dia.			
CLEAR APERTURE	mm	135 DIA.			+1.0/-0.0
SUBSTRATE MATERIAL		N-BK7 OR EQUIVALENT			
SPATIAL FREQUENCY	lpmm	2532			+/- 0.5
BANDWIDTH	nm	385 to 405			
CENTER WAVELENGTH	nm	395			
POLARIZATION		AVERAGE OF S AND P			
AOI	DEGREES	30°			
AR COATING		RAVG <0.5% FROM 385-405 NM 28° TO 32° AVG POLARIZATION			
TRANSMITTED WAVEFRONT NUMBER	WAVES	λ/5 RMS at 633 nm OVER ANY 50 mm DIA. APERTURE			
SURFACE QUALITY	SCRATCH/DIG	80/50			

REVISIONS					
ZONE	REV.	DATE	NAME	DESCRIPTION	REV. ECN #
	A	06/14/2024	CS	INITIAL RELEASE	

	NAME	DATE
DRAWN	CS	06/14/2024
CHECKED		06-18-24

1305 N 1000 W,
#120
LOGAN, UT 84321

DESCRIPTION
2532lpmm 395nm 145x10BK7
#VPH-2532I-395nm-D145-10-BK7-KH24

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MATERIAL	
COATING	
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