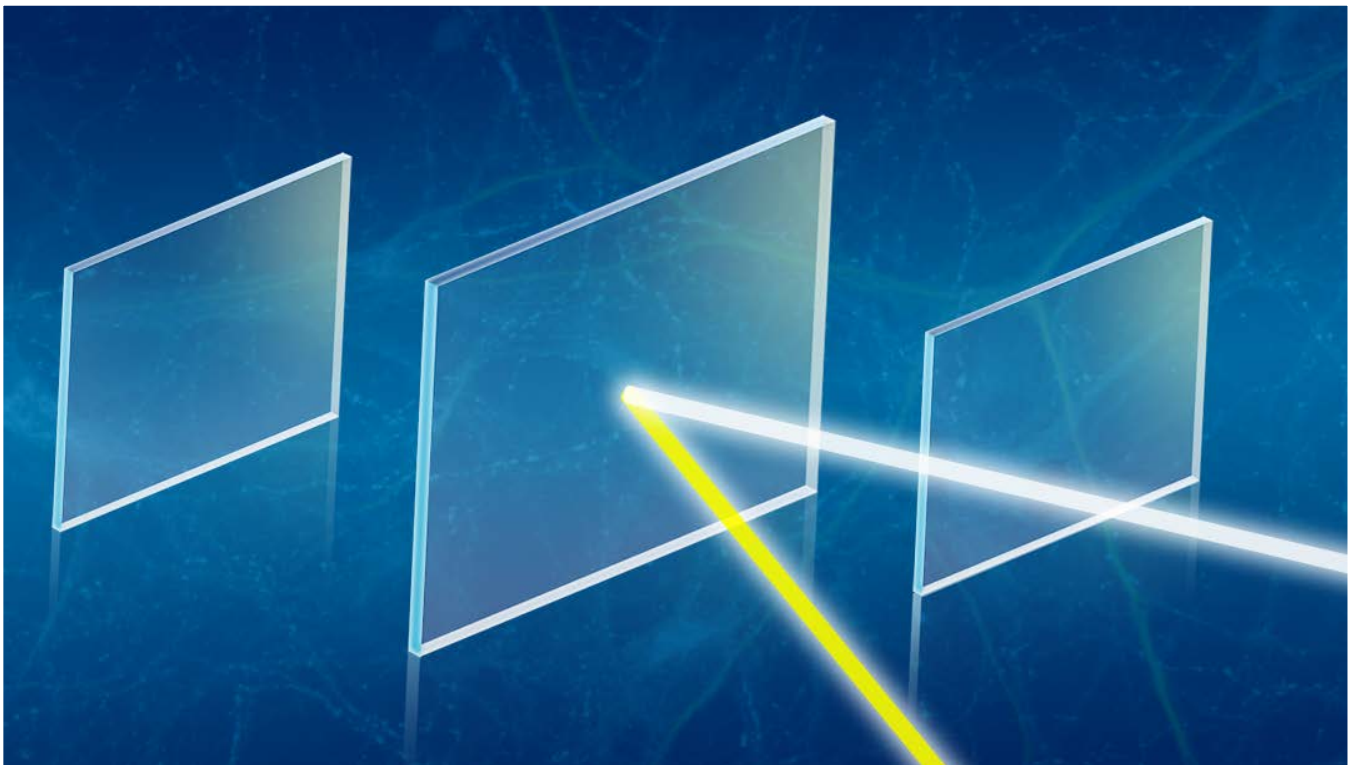


SUPERFLAT BEAMSPLITTERS

Relax! – stress-free coated optics



YOUR BENEFITS

- :: Superflat surface
- :: No wavefront distortion
- :: Best flatness on thin substrates
- :: Stress-free coating
- :: No anti-stress coating needed
- :: Reasonable pricing
- :: Pre-mounted TIRF cubes

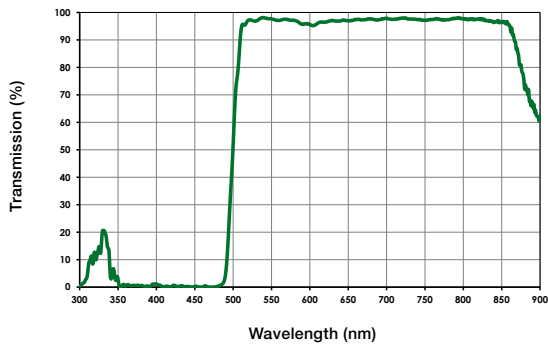
APPLICATIONS

- :: Laser combining
- :: Image splitting
- :: Interferometry
- :: Superresolution microscopy
- :: Main beamsplitter in confocal microscopes

 Alluxa

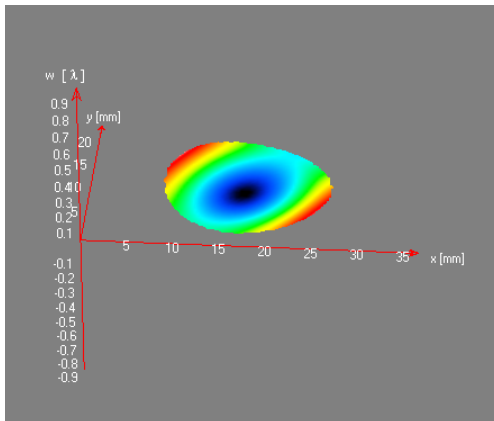
 Semrock

 CHROMA



SUPERFLAT DICHOIRCS

- :: Available for many laser lines in various designs
- :: Wide reflection and transmission; multiband designs
- :: Selection available from stock
- :: Variable substrate thickness options
- :: 1 mm substrate thickness up to $\lambda/4$ p/V/inch
- :: 2-3 mm substrate thickness up to $\lambda/10$ P/V/inch



Wavefront plot of beamsplitter H 488 LPXR

WAVEFRONT MEASUREMENT SERVICE

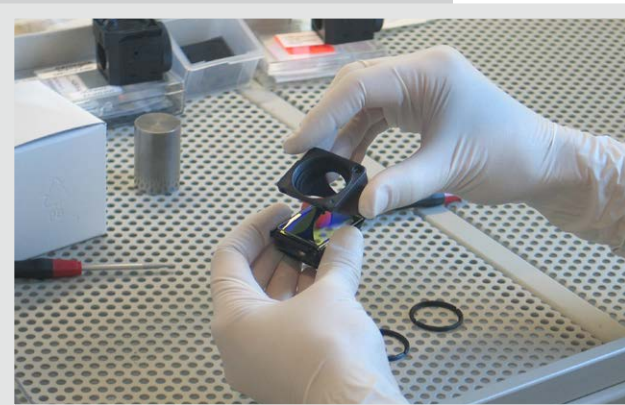
Wavelength [nm]: 543.000

Peak to Valley (3D view) [λ]: 0.09082

Mean Standard Deviation of fit [λ]: 0.06265

Zernike Coefficients:

<i>n</i>	<i>m</i>	<i>Value</i> [λ]	<i>Sigma</i> [λ]	<i>Description</i>
1	0	0.02260	0.00359	Defocus
2	2	0.01742	0.00502	Astigmatism x
2	2	0.02489	0.00504	Astigmatism y
2	1	0.00727	0.00590	Coma x
2	1	0.01608	0.00592	Coma y
2	0	-0.00729	0.00476	1st Spherical



SERVICE

- :: Delivery of fully assembled microscopy cubes e.g. for TIRF
- :: Stress-free mounting service in different microscope cubes
- :: Transmission spectrum, wavefront and wedge measurements
- :: Ask us for new designs