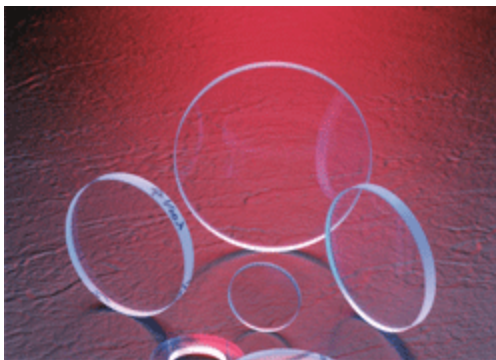




## Products: Dichroic Mirrors



### UV/VIS Dichroic Mirrors

UV/VIS dichroic mirrors have special multilayer dielectric coatings that enable reflectance of a primary UV laser wavelength with good broadband VIS/NIR transmittance. Dichroic mirrors are typically used for beam combining or beam separation. The standard dichroic mirrors listed below have UV laser-grade fused silica substrates and are optimized for use at 45°, with other angles available on request. Other UV-reflecting wavelengths from 145 nm to approximately 355 nm are also available.

### UV/IR Dichroic Mirrors

UV/IR dichroic mirrors are designed to reflect a UV laser wavelength while transmitting wavelengths into the infrared. These coatings are specially designed, electron beam deposited on fused silica substrates. Our UV/IR dichroic mirrors are specified below with usable wavelengths up to 8 μm.

Contact us at [info@actonoptics.com](mailto:info@actonoptics.com)

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**Overview**

Typical Coating Curves

Related Products

### UV/VIS Dichroic Mirrors - Standard Fused Silica Mirror Blanks

UV Wavelength	45 Reflectance	1.0" dia. (25.4mm)	1.5" dia. (38.1mm)	2.0" dia (50.8mm)
193nm	≥ 94%	193/V-FR45-1D-MB	193/V-FR45-1.5D-MB	193/V-FR45-2D-MB
212nm	≥ 95%	212/V-FR45-1D-MB	212/V-FR45-1.5D-MB	212/V-FR45-2D-MB
248nm	≥ 96%	248/V-FR45-1D-MB	248/V-FR45-1.5D-MB	248/V-FR45-2D-MB
266nm	≥ 96%	266/V-FR45-1D-MB	266/V-FR45-1.5D-MB	266/V-FR45-2D-MB

UV Wavelength	45 Reflectance	1.0" dia. (25.4mm)	1.5" dia. (38.1mm)	2.0" dia (50.8mm)
308nm	≥ 96%	308/V-FR45-1D-MB	308/V-FR45-1.5D-MB	308/V-FR45-2D-MB
353nm	≥ 98%	353/V-FR45-1D-MB	353/V-FR45-1.5D-MB	353/V-FR45-2D-MB

**UV/IR Dichroic Mirrors - CaF<sub>2</sub> Substrates**

UV Wavelength	45 Reflectance	1.0" dia. (25.4mm)	1.5" dia. (38.1mm)	2.0" dia (50.8mm)
193nm	≥ 94%	193/IR-FR45-1D-FLC	193/IR-FR45-1.5D-FLC	193/IR-FR45-2D-FLC
212nm	≥ 95%	212/IR-FR45-1D-FLC	212/IR-FR45-1.5D-FLC	212/IR-FR45-2D-FLC
248nm	≥ 96%	248/IR-FR45-1D-FLC	248/IR-FR45-1.5D-FLC	248/IR-FR45-2D-FLC
266nm	≥ 96%	266/IR-FR45-1D-FLC	266/IR-FR45-1.5D-FLC	266/IR-FR45-2D-FLC
308nm	≥ 96%	308/IR-FR45-1D-FLC	308/IR-FR45-1.5D-FLC	308/IR-FR45-2D-FLC
353nm	≥ 98%	353/IR-FR45-1D-FLC	353/IR-FR45-1.5D-FLC	353/IR-FR45-2D-FLC

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