

Flexible Wavelength Selector – Basic

The Flexible Wavelength Selector is a unique wavelength selection device that employs TwinFilm™ technology to deliver the tunability and adjustable bandwidth of a grating monochromator, together with the imaging advantages of a circular aperture filter. Basic models feature manual adjustment of the center wavelength, transmission bandwidth and beam offset compensation. Click [here](#) for videos and more information.

/ Optical Specifications

Transmission: > 75%

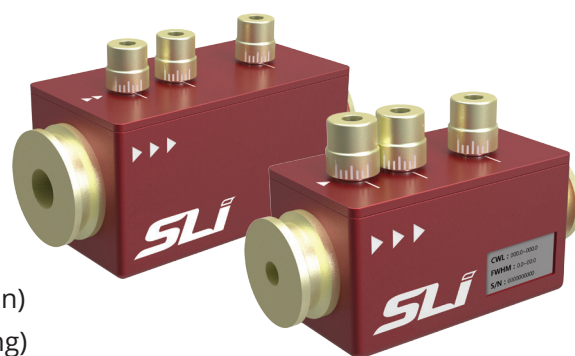
Wavelength Tuning Range: ~100 nm

FWHM: 3 nm ~ 16 nm

Extinction Coefficient: $OD_{avg} > 6$ (275 nm – 925 nm)

Cut-on Transition Width: 2% – 3% (from blocking to transmission)

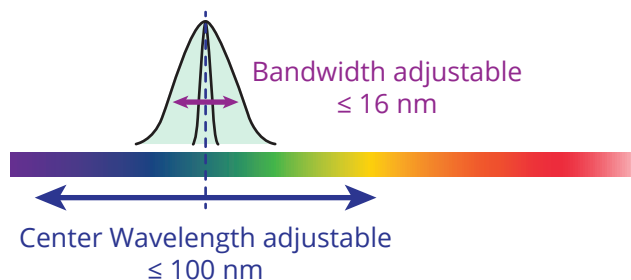
Cut-off Transition Width: 2% – 3% (from transmission to blocking)



/ General Specifications

Dimensions: 40 mm x 76 mm x 40 mm (Medium)

Aperture Size: up to 10 mm (Medium)



Medium Flexible Wavelength Selectors - Basic

Spectral Range ¹	Item Number
358 - 403 nm	FWS-B-M-380
395 - 447 nm	FWS-B-M-425
447 - 501 nm	FWS-B-M-475
496 - 561 nm	FWS-B-M-530
555 - 628 nm	FWS-B-M-595
621 - 703 nm	FWS-B-M-665
686 - 790 nm	FWS-B-M-745
784 - 900 nm	FWS-B-M-845

Based on maximum bandwidth.¹
Change in bandwidth may impact the spectral range.

*Note : For the optimal performance of Wavelength Selectors, the incident light should be collimated.