

## 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.

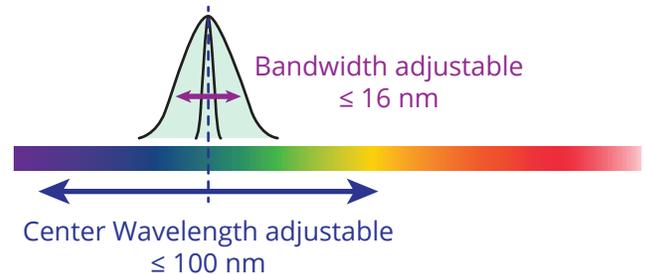
### / Optical Specifications

- Transmission: > 75%
- Wavelength Tuning Range: ~100 nm
- FWHM: 2 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)  
32 mm x 57 mm x 32 mm (Small)
- Aperture Size : up to 10 mm (Medium)  
up to 5 mm (Small)



#### Medium Flexible Wavelength Selectors - Basic

Spectral Range <sup>1</sup>	Item Number
358 - 400 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
700 - 790 nm	FWS-B-M-745
784 - 900 nm	FWS-B-M-845

<sup>1</sup>Based on maximum bandwidth.  
Change in bandwidth may impact the spectral range .

#### Small Flexible Wavelength Selectors - Basic

Spectral Range <sup>1</sup>	Item Number
358 - 400 nm	FWS-B-S-380
395 - 447 nm	FWS-B-S-425
447 - 501 nm	FWS-B-S-475
496 - 561 nm	FWS-B-S-530
555 - 628 nm	FWS-B-S-595
621 - 703 nm	FWS-B-S-665
700 - 790 nm	FWS-B-S-745
784 - 900 nm	FWS-B-S- 845

<sup>1</sup>Based on maximum bandwidth.  
Change in bandwidth may impact the spectral range .