

## Flexible Wavelength Selector

### High Resolution, Basic and CenterLine

The Flexible Wavelength Selector is a unique tunable filter 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. Three manual models feature manual adjustment of the center wavelength, transmission bandwidth and beam offset compensation. For High Resolution (HR) and Basic (B) models the bandwidth can be manually adjusted from around 1.5 nm to 16 nm while for CenterLine (CL) it is fixed at ~ 16 nm.

### / Optical Specifications

Transmission: > 75%

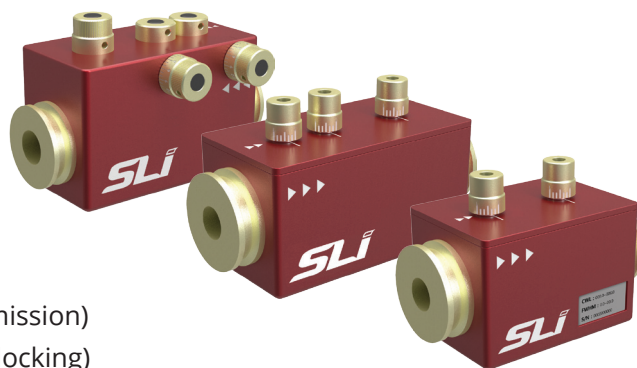
Wavelength Tuning Range:  $\leq 100$  nm

FWHM tunable range for HR, B (nominal): 1.5 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)



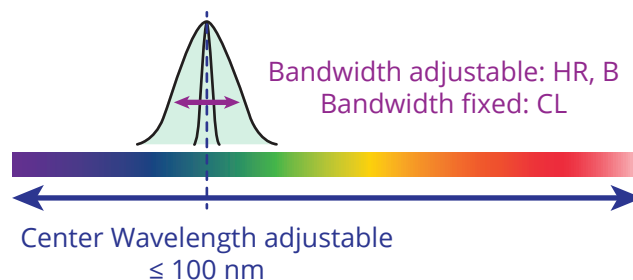
### / General Specifications

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)



Product No. :  
FWS - X - X - ###

#### Type

H : High Resolution  
B : Basic  
CL : CenterLine

#### Size

M : Medium  
S : Small

Flexible Wavelength Selectors

Spectral Range	Product Number
358 - 400 nm	FWS-X-X-380
395 - 447 nm	FWS-X-X-425
447 - 501 nm	FWS-X-X-475
496 - 561 nm	FWS-X-X-530
555 - 628 nm	FWS-X-X-595
621 - 703 nm	FWS-X-X-665
700 - 790 nm	FWS-X-X-745
784 - 900 nm	FWS-X-X-845