Application Note

- Transmission Efficiency of Flexible Wavelength Selectors -

SPECTROLIGHT Inc.

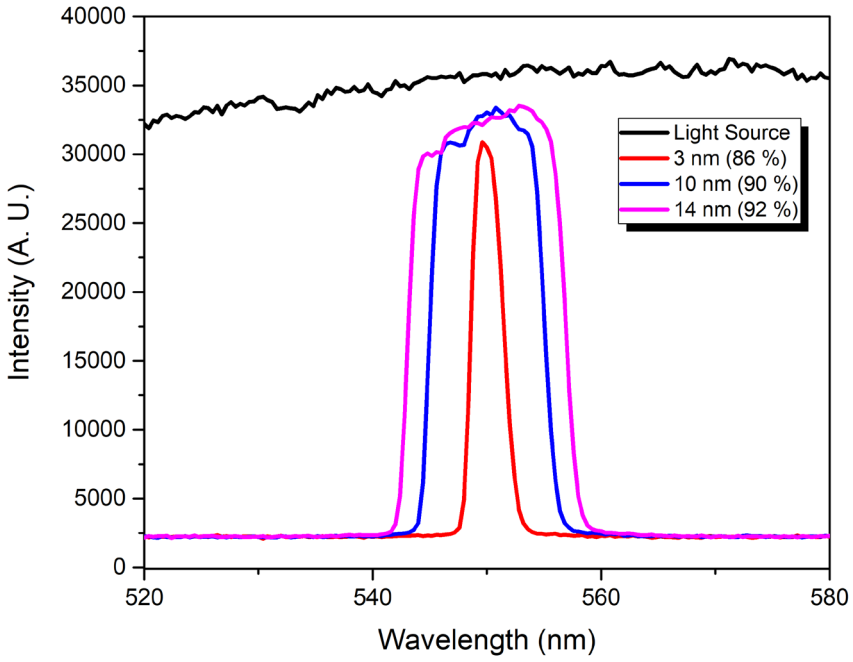
Application Setup

- Broadband light source
- Fiber with collimator
- Flexible Wavelength Selector
- Output of FWS connected to fiber
- Measured with a calibrated spectrometer

Transmission Efficiency

Center Wavelength @ 550 nm
Bandwidth: 3 nm (86 %), 10 nm (90%) and 14 nm (92 %)

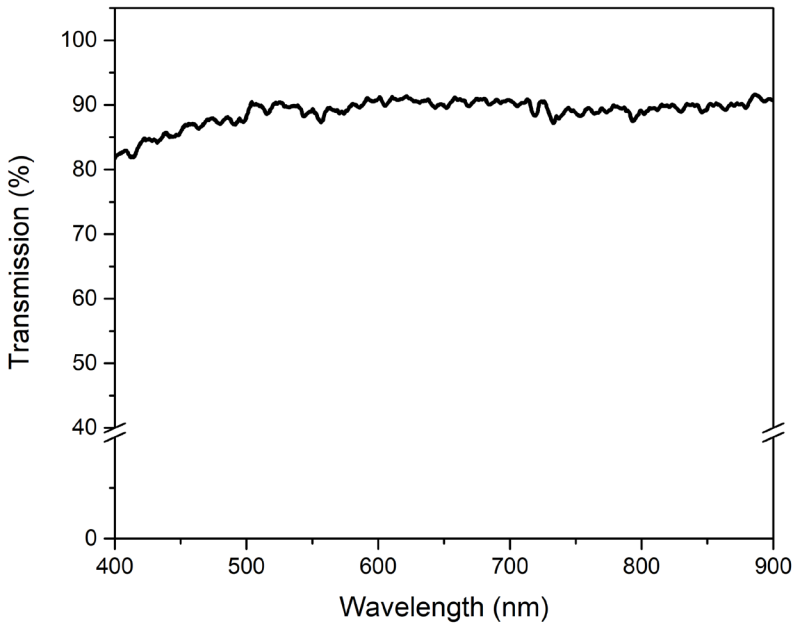
Please note that only three bandwidths (3, 10 , 14 nm) were selected for demo purpose.
It is possible to tune the bandwidth from 3 to 14 nm in the increment of 1 nm independent of the center wavelength.



- Black line is light source only
- Red line is 3 nm bandwidth
- Blue line is 10 nm bandwidth
- Pink line is 14 nm bandwidth

Transmission Efficiency

Transmission efficiency is measured from 400 to 900 nm using a broadband light source with Flexible Wavelength Selector



Bandwidth @ 4 nm

- Center wavelength from 400 to 900 nm
- Bandwidth 4 nm.


SLi
Light Done Right!