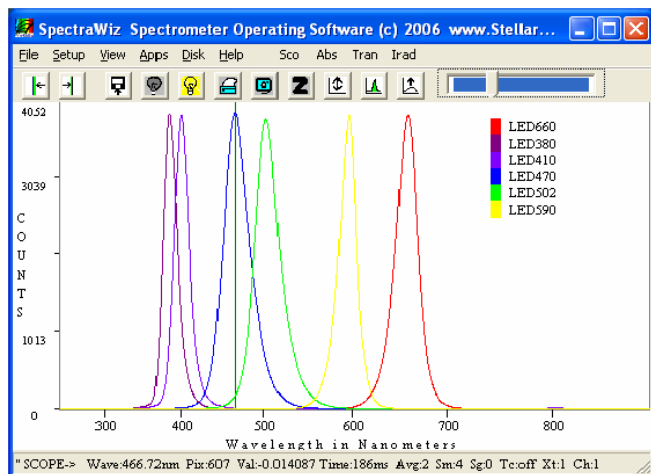


Low Cost Fluorescence System



LED Emission Spectra can be used for Fluorescence Excitation

- **Excitation Wavelength-** only limited by frequency of installed LED with 100's of different LEDs available.
- LED-UV bulbs available (not included) 295 thru 390nm. Reduced power requirement for UV excitation.
- **Ultimate Flexibility-** can attach monochromator or laser as excitation source to cuvette holder port if needed.



- **SL1-LED excitation source** ideal for Fluorescence measurements. Includes the SL1-LED plus an LED kit consisting of 6 LED's including a white LED. LED's can be swapped without any wiring changes, just pull one out and push the next one in.
- **CUV-F** Fluorescence fixture includes a large base to accommodate the SL1-LED excitation source. Includes 600 micron Y-fiber for dual pick-up for x2 signal gain in fluorescence detection.
- **Increased signal** is achieved by using a Y-fiber for dual pick up of the fluorescence event.
- **Best suited for our Black Comet-TEC** Concave grating spectrometer. The detector has an integrated Thermo Electric Cooler (TEC) maintained at -10°C from ambient and stabilized within $\pm 0.1^{\circ}\text{C}$.

Excitation Source, Spectrometer, and Accessories

Item	Description	Price
SL1-LED	Miniature fiber optic light source with replaceable LED's. Includes LED-Kit with set of 6 LEDs for 390nm, 470nm, 502nm, 590nm, 660nm, white	\$695
CUV-F	Cuvette holder for SL1-LED, includes F600 Y-fiber	\$765
BLK-CXR	Concave grating spectrometer without TEC for range 190-850nm or 280-900nm	\$2750
BLK-CXR-TEC	Concave grating spectrometer with TEC for >3000ms detector integration times	\$4045

Specifications

LED Type	T-5 mm	Fiber Options	600 micron Y-fiber
LED's included	390, 470, 502, 590, 660nm	LED life	10,000 hours
UV LED's available (prices vary)	295, 345, 365, 385, 390nm	LED life	10,000 hours
Spectral range	Depends on LED installed	Connectors	2 x SMA 905