

## Introducing the new and improved Poly-RED

Improved specifications, cost effective solutions



The brand new Poly-RED has undergone a comprehensive redesign, featuring enhanced functionalities and improved specifications to elevate user experience.

Through the integration of new technologies and materials, we have successfully optimized the accuracy, scanning speed, and production processes of both external and internal components, all the while achieving a more cost-effective solution for our users!

## Difference between Poly-RED and Poly-BLUE

Poly-RED	Common Specifications	Poly-BLUE
<p>High precision Accurate bandwidth control</p> <p><b>Adjustable FWHM</b> <b>2 - 15 nm (nominal)</b></p> 	<ol style="list-style-type: none"> <li>Broadband spectral range <b>255 - 1700 nm</b></li> <li>High damage threshold <b>&lt; 2 MW/cm<sup>2</sup> (CW)</b></li> <li>High throughput <b>&gt; 75 %</b></li> <li>Diverse aperture size <b>5 / 10 mm</b></li> <li>Great out of band blocking <b>OD 12 at tuning range</b> <b>OD 6 out of tuning range</b></li> </ol>	<p>Appropriate precision Improved output power</p> <p><b>Fixed FWHM</b> <b>20 nm (nominal)</b></p> 

The FWS-Poly consists of two distinct product lines: Poly-RED and Poly-BLUE, each characterized by its specific bandwidth control functionality.

The Poly-RED model is capable of real-time control of both center wavelength and bandwidth (2 - 15 nm). In contrast, the Poly-BLUE model enables exclusive control over the center wavelength, maintaining a fixed bandwidth of 20 nm (nominal).

Both models excel in precise wavelength tuning, covering a broad spectrum from 255 to 1700 nm with an impressive 1 nm accuracy. The FWS consists of diverse aperture sized models, each suitable for different light sources. Thanks to the filter's high damage threshold characteristics, the FWS can be combined with any broadband light source to create a tunable light source.

For more information please contact us at [support@spectrolightinc.com](mailto:support@spectrolightinc.com)

### Tunable Light Sources

Fully tunable light sources and laser systems with wide tunable wavelength and bandwidth range

[View details](#)



### Tunable Bandpass Filters

Applicable with any broadband light sources, CWL tuning range : 255 - 1650 nm  
FWHM tuning range : 3 - 15 nm

[View details](#)



### Light Sources

A wide variety of powerful broadband light sources including tungsten-halogen/plasma lamps, LEDs and pico-second pulsed supercontinuum lasers

[View details](#)



**Brochure Download**



Contact us at [info@spectrolightinc.com](mailto:info@spectrolightinc.com)