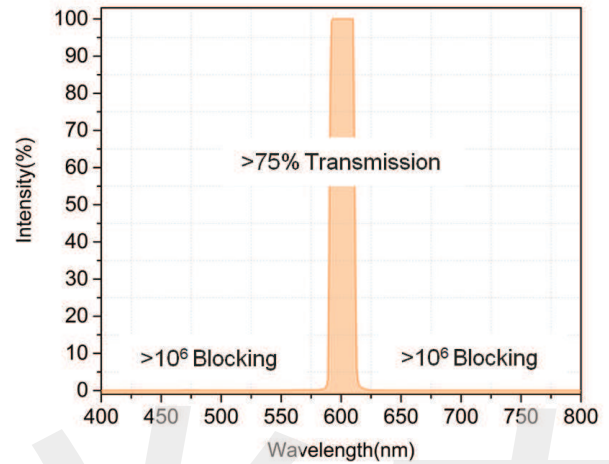


Model name	Spectral range (nm)
Poly-RED-UV	280 - 390
Poly-RED-VIS	430 - 790
Poly-RED-IR	775 - 1150
Poly-RED-SWIR	1140 - 1700
Poly-RED-Custom	Custom range



Spectral range (nm)	Minimum bandwidth (nm)	Maximum bandwidth (nm)
255 - 700	2	15
701 - 890	3	15
891 - 1500	5	15
1475 - 1700	7	13

\* Center Wavelength tuning range can vary by a few nanometers depending on the product.  
Minimum step size of center wavelength : 1 nm / Step size of bandwidth (FWHM) : 1 nm



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	FWHM	2 - 15							3 - 15		5 - 15			7 - 13			
	CWL	255 - 290	280 - 310	310 - 350	348 - 390	385 - 435	430 - 490	485 - 550	545 - 620	615 - 700	690 - 790	775 - 890	880 - 1015	1000 - 1150	1140 - 1310	1300 - 1500	1475 - 1700
Poly-RED-UV		●	●	●													
Poly-RED-VIS						●	●	●	●	●							
Poly-RED-IR											●	●	●				
Poly-RED-SWIR														●	●	●	
Poly-RED-Custom									Up to 9 in one device								

Poly-RED-A5	5 mm	Suitable for supercontinuum lasers
Poly-RED-A10	10 mm	Suitable for light sources with large beam size (tungsten-halogen, plasma, LED)

\* For optimal performance input light source must be collimated

	<b>Poly-RED-A5</b>	<b>Poly-RED-A10</b>
<b>Spectral range (nm)</b>	255-1700	255-1700
<b>Bandwidth (FWHM) (nm)</b>	2-15 (nominal)	2-15 (nominal)
<b>Aperture size (mm)</b>	5	10
<b>Out of band Blocking</b>	OD 12 ( $10^{-12}$ ) in tuning range, OD 6 ( $10^{-6}$ ) in spectral range	
<b>Step size of center wavelength (nm)</b>	1.0	
<b>Step size of bandwidth (FWHM) (nm)</b>	1.0	
<b>Wavelength accuracy (nm) : CWL, FWHM</b>	< 1 nm	
<b>Damage threshold</b>	Peak Fluence < 1.75 Joules/cm <sup>2</sup> (~70 $\mu$ m spot diam., 10 ns pulse, 10 Hz repetition rate, 532 nm LASER) CW (Continuous wave) Intensity < 2 MW/cm <sup>2</sup> (1064 nm, ~ 90 $\mu$ m spot diam.)	
<b>Transmission efficiency (%)</b>	$\geq 75$ % (in proportion to the input light power / FWHM > 10 nm)	
<b>Scanning speed (ms)</b>	20 - 200 ms (depending on step size)	
<b>Software</b>	FWS-Auto ver 4.1	
<b>Dimension (L x W x H, mm)</b>	186.2 x 124 x 214	
<b>Input power</b>	AC 12 V, 5 A	
<b>Electric requirement</b>	AC 100 - 240 V, 50/60 Hz	
<b>Data interface</b>	USB 2.0	
<b>Weight (kg)</b>	4.2	



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