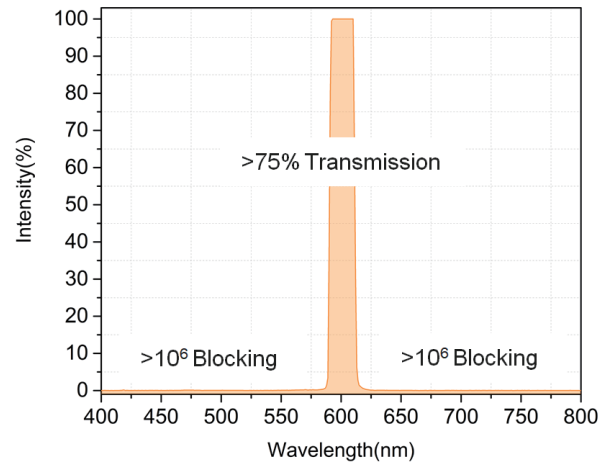


| Model name | Spectral range (nm) |
|-----------------|---------------------|
| Poly-RED-UV | 280 - 390 |
| Poly-RED-VIS | 430 - 790 |
| Poly-RED-IR | 775 - 1150 |
| Poly-RED-SWIR | 1140 - 1700 |
| Poly-RED-Custom | Custom range |



| 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

| | 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

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