

Tunable Laser System (TLS)



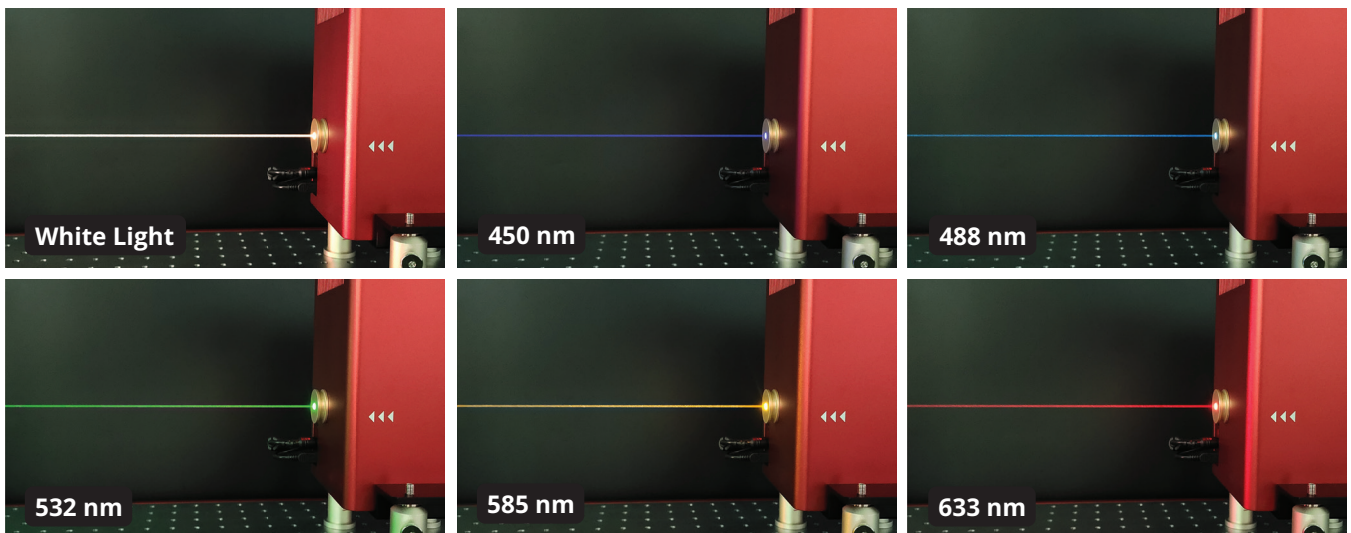
The Tunable Laser System is the all in one tunable light source system by Spectrolight Inc. It enables easy yet precise selection of a broad spectral range of 410 - 1650 nm. This Plug&Play system requires no alignments or adjustments allowing instant application.

/ TLS Components



*Tunable Laser System (TLS) components - Supercontinuum Laser (SL-Pico / SL-Pico-M), FWS-Poly, Mounting Base for FWS-Poly, Laptop with User Software, Light Aligner x2, IR Slider and all necessary linker accessories.

/ TLS Output result (Visible range)



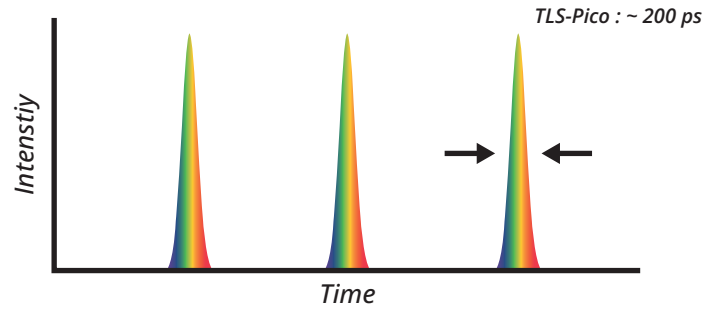
/ TLS-Pico-B Specifications

Total power : > 8 W
 Visible power : > 1 W
 Tunable spectral wavelength : 430 - 1050 nm
 FWHM range : 3 - 15 nm (above 880 nm : 5 - 15 nm)
 Output pulse width : ~ 200 ps
 Internal repetition rate : 10 kHz - 80 MHz adjustable
 Beam diameter and quality : ~ 2 mm@633nm;M2<1.1
 Beam divergence (Half angle) : < 1mrad
 State of polarization : Unpolarized
 Sync(trigger) output (SMA) : NIM output 0 - 1 V

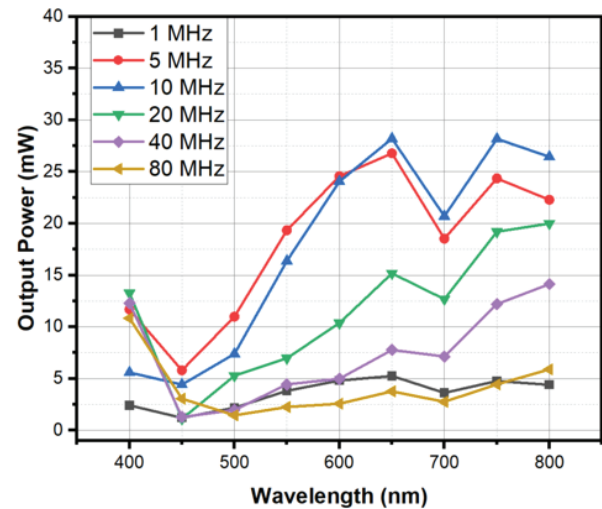
/ TLS-Pico-C Specifications

Total power : > 8 W
 Visible power : > 1 W
 Tunable spectral wavelength : User defined (430 - 1650 nm)
 FWHM range : 3 - 15 nm (above 880 nm : 5 - 15 nm)
 Output pulse width : ~ 200 ps
 Internal repetition rate : 10 kHz - 80 MHz adjustable
 Beam diameter and quality : ~ 2 mm@633nm;M2<1.1
 Beam divergence (Half angle) : < 1mrad
 State of polarization : Unpolarized
 Sync(trigger) output (SMA) : NIM output 0 - 1 V

Pulse laser wavelength selection (TLS-Pico)



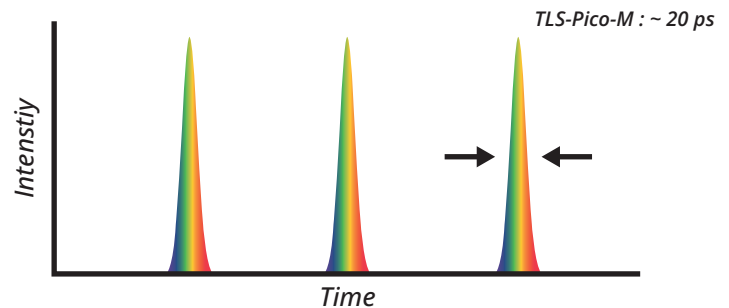
Output power at FWHM 15 nm (TLS-Pico)



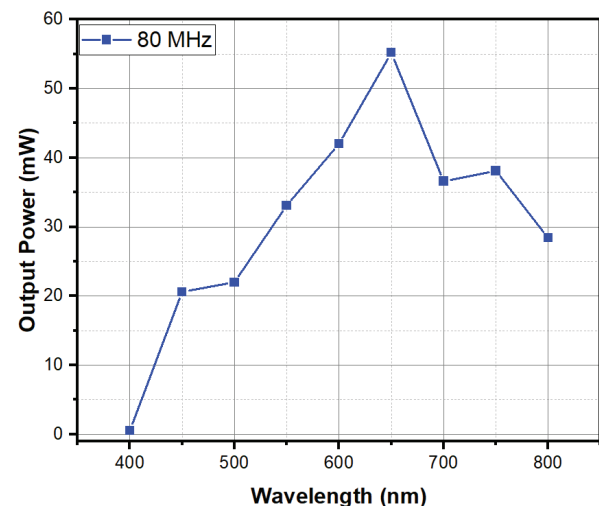
/ TLS-Pico-M-B Specifications

Total power : > 7 W
 Visible power : > 2 W
 Tunable spectral wavelength : 410 - 1050 nm
 FWHM range : 3 - 15 nm (above 880 nm : 5 - 15 nm)
 Output pulse width : ~ 20 ps
 Internal repetition rate : 80 MHz
 Beam diameter and quality : ~ 2 mm@633nm;M2<1.1
 Beam divergence (Half angle) : < 1mrad
 State of polarization : Unpolarized
 Sync(trigger) output (SMA) : TTL output 0 - 2.8 V

Pulse laser wavelength selection (TLS-Pico-M)



Output power at FWHM 15nm (TLS-Pico-M)



/ TLS-Pico-M-C Specifications

Total power : > 7 W
 Visible power : > 2 W
 Tunable spectral wavelength : User defined (410 - 1650 nm)
 FWHM range : 3 - 15 nm (above 880 nm : 5 - 15 nm)
 Output pulse width : ~ 20 ps
 Internal repetition rate : 80 MHz
 Beam diameter and quality : ~ 2 mm@633nm;M2<1.1
 Beam divergence (Half angle) : < 1mrad
 State of polarization : Unpolarized
 Sync(trigger) output (SMA) : TTL output 0 - 2.8 V