Continuously Variable Long Wave Pass filter for the range 365 nm to 785 nm

CVLWP 365-785 (LF104558)

Continuously variable long-wavelength-pass filter with $\lambda_{50\,\%}$ travelling from ≤ 365 nm to ≥ 785 nm within ≤ 84 mm

Near-edge average transmittance

T_{avg}	$\lambda_{50\,\%}$	Interval start	Interval end
≥ 85 %	365 nm – 420 nm	1.01 * $\lambda_{50\,\%}$	1.1 * $\lambda_{50\,\%}$
≥ 90 %	420 nm – 785 nm	1.01 * $\lambda_{50\,\%}$	1.1 * $\lambda_{50\,\%}$

Broad-band average transmittance

T_{avg}	$\lambda_{50\,\%}$	Interval start	Interval end
≥ 89 %	365 nm – 420 nm	1.02 * $\lambda_{50\,\%}$	1.45 * $\lambda_{50\,\%}$
≥ 89 %	420 nm – 785 nm	1.02 * $\lambda_{50\,\%}$	1.55 * $\lambda_{50\,\%}$, or 900 nm (whichever is smallest)

Broad-band minimum transmittance

T_{min}	$\lambda_{50\,\%}$	Interval start	Interval end
≥ 83 %	365 nm – 420 nm	1.02 * $\lambda_{50\,\%}$	1.45 * $\lambda_{50\,\%}$
≥ 83 %	420 nm – 785 nm	1.02 * $\lambda_{50\,\%}$	1.55 * $\lambda_{50\,\%}$, or 900 nm (whichever is smallest)

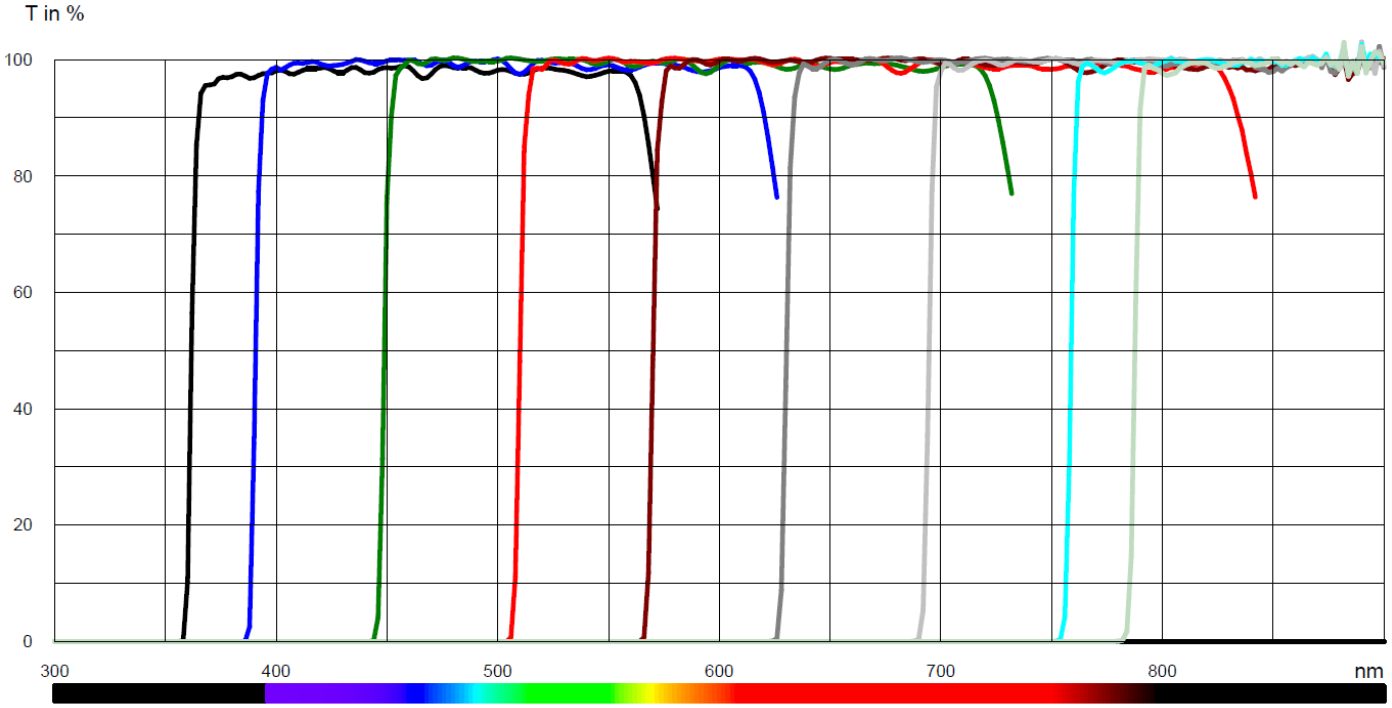
Broad-band blocking (maximum transmittance)

T_{max}	$\lambda_{50\,\%}$	Interval start	Interval end
≤ 0.1 %	365 nm – 785 nm	330 nm	0.995 * $\lambda_{50\,\%}$
≤ 1 %	365 nm – 785 nm	330 nm	0.99 * $\lambda_{50\,\%}$
≤ 10 %	365 nm – 785 nm	330 nm	0.97 * $\lambda_{50\,\%}$

Broad-band blocking (average transmittance)

T_{avg}	$\lambda_{50\,\%}$	Interval start	Interval end
≤ 0.05 %	365 nm – 785 nm	330 nm	0.97 * $\lambda_{50\,\%}$

Typically measured transmittance of CVLWP 365-785 (LF104558)



Typically measured blocking of CVLWP 365-785 (LF104558)