

*Longpass filters let longer visible and/or infrared wavelengths pass while blocking shorter wavelengths of light.*

Mainly for use in monochrome (black and white) imaging applications, longpass filters can help to improve contrast, resolution and separate colors while maximizing brightness of surroundings in the vicinity of the subject under inspection or surveillance. \*MidOpt longpass filters are absorptive rather than dichroic (reflective), making them well suited for wide angle applications. \*Except for LP340 and LP920.

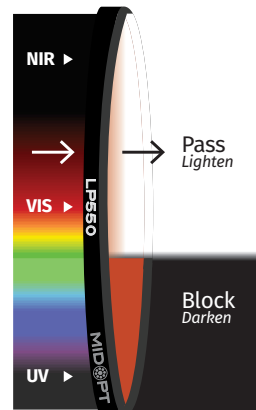
### FEATURES

- VIS/Near-IR wavelengths
- Surfaces provided with durable, high efficiency anti-reflection coatings in order to protect polished glass surfaces and increase light throughput

**Useful for:** outdoor (sunlit or moonlit) applications; longer-wavelength near-infrared and multi-wavelength fluorescence applications

### MOUNT & SIZE OPTIONS

- Threaded Mount, C/CS Mount, Slip Mount, Unmounted
- Threaded Mount Sizes: M13.25 - M105



Example: ● LP550

### DEFINITION

Longpass filters transmit wavelengths longer than the specified cut-on wavelength while blocking shorter wavelengths. They are usually used in monochromatic applications to improve contrast, where like colors will lighten like colors.

Part #	Description	Useful Range	Cut-on WL 50% T	Tolerance	Minimum Peak Transmission	Surface Quality
LP SERIES — LONGPASS						
LP285	High Transmission Heat Resistant VIS-NIR A/R Protective Window	385-1100nm	285nm	+/- 10nm	98%	40/20
LP330	Protective Window	340-1100nm	330nm	+/- 10nm	90%	40/20
LP340	A/R Protective Window	390-800nm	340nm	+/- 10nm	95%	40/20
LP390	UV Absorbing Protective Window	420-1100nm	390nm	+/- 10nm	90%	40/20
LP415	UV Block	420-1100nm	415nm	+/- 10nm	95%	40/20
LP470	Light Yellow Longpass	480-1100nm	470nm	+/- 10nm	90%	40/20
LP500	Yellow Longpass	510-1100nm	500nm	+/- 10nm	90%	40/20
LP515	Yellow-Orange Longpass	520-1100nm	515nm	+/- 10nm	90%	40/20
LP530	Orange Longpass	545-1100nm	530nm	+/- 10nm	90%	40/20
LP550	Orange Longpass	560-1100nm	550nm	+/- 10nm	90%	40/20
LP580	Red-Orange Longpass	585-1100nm	580nm	+/- 10nm	90%	40/20
LP590	Red Longpass	605-1100nm	590nm	+/- 10nm	90%	40/20
LP610	Red Longpass	620-1100nm	610nm	+/- 10nm	90%	40/20
LP630	Red Longpass	645-1100nm	630nm	+/- 10nm	90%	40/20
LP645	Dark Red Longpass	650-1100nm	645nm	+/- 10nm	90%	40/20
LP665	Dark Red Longpass	680-1100nm	665nm	+/- 10nm	90%	40/20
LP695	Near-IR Longpass	715-1100nm	695nm	+/- 10nm	90%	40/20
LP715	Near-IR Longpass	730-1100nm	715nm	+/- 10nm	90%	40/20
LP780	Near-IR Longpass	800-1100nm	780nm	+/- 10nm	90%	40/20
LP800	Near-IR Longpass	820-1100nm	800nm	+/- 10nm	90%	40/20
LP830	Near-IR Longpass	845-1100nm	830nm	+/- 10nm	90%	40/20
LP850	Near-IR Longpass	870-1100nm	850nm	+/- 10nm	90%	40/20
LP920	Near-IR Longpass	930-1100nm	920nm	+/- 10nm	90%	40/20
LP1000	Near-IR Longpass	1010-1500nm	1000nm	+/- 10nm	90%	40/20

\*Due to continuous product improvement, specifications are subject to change without notice.