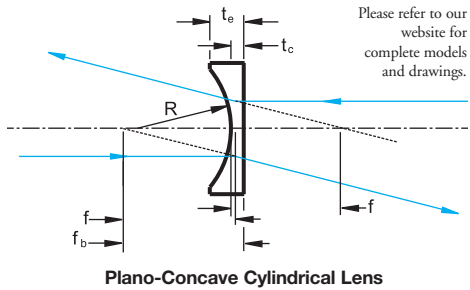
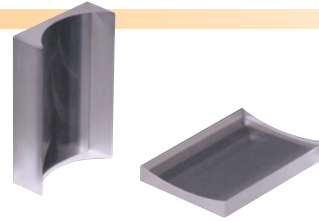


**OEMs**

Thorlabs stocks a large number of uncoated lenses. If your application requires a custom coating, please contact us directly for price and availability. Custom housings are also available.

# N-BK7: Plano-Concave Cylindrical Lenses

Like plano-concave spherical lenses, negative cylindrical lenses can be used to expand light but only in one dimension. These lenses are used in applications that require one dimensional shaping of a light source. A typical application is to use a single cylindrical lens to turn a collimated laser beam into a line generator. Pairs of cylindrical lenses may be used to anamorphically shape images.



Plano-Concave Cylindrical Lens



**Specifications**

- **Material:** N-BK7
- **Wavelength Range:** 350 nm - 2.0  $\mu$ m
- **Design Wavelength:** 587.6 nm
- **Length Tolerance:** +0.00/-0.10 mm
- **Height Tolerance:** +0.00/-0.10 mm
- **Focal Length Tolerance:**  $\pm 1\%$
- **Surface Quality:** 60-40 Scratch-Dig
- **Centration:**  $\leq 5$  arcmin
- **Clear Aperture:** >90% of Dimensions

**Plano-Concave Cylindrical Lenses: Material N-BK7, f = -3.9 to -1000.0 mm**

ITEM#	f (mm)	H (mm)	L (mm)	PRICE UNCOATED (For Coated Lens Add Suffix)				R (mm)	t <sub>c</sub> (mm)	t <sub>b</sub> (mm)
				\$	£	€	RMB			
LK1395L1	-3.9	4.0	6.0	\$ 41.90	£ 29.10	€ 37.20	¥ 353.90	-2.0	2.0	2.7
LK1395L2	-3.9	4.0	8.0	\$ 47.90	£ 33.30	€ 42.60	¥ 404.50	-2.0	2.0	2.7
LK1597L1	-4.0	4.0	6.0	\$ 41.90	£ 29.10	€ 37.20	¥ 353.90	-2.1	2.0	2.6
LK1597L2	-4.0	4.0	8.0	\$ 47.90	£ 33.30	€ 42.60	¥ 404.50	-2.1	2.0	2.6
LK1523L1	-5.8	4.0	6.0	\$ 41.90	£ 29.10	€ 37.20	¥ 353.90	-3.0	2.0	2.4
LK1087L1	-6.4	6.0	8.0	\$ 47.20	£ 32.80	€ 42.00	¥ 398.60	-3.3	2.0	3.2
LK1087L2	-6.4	6.0	12.0	\$ 53.90	£ 37.40	€ 47.90	¥ 455.20	-3.3	2.0	3.2
LK1363L1	-7.7	7.0	9.0	\$ 49.90	£ 34.60	€ 44.40	¥ 421.40	-4.0	2.0	3.4
LK1363L2	-7.7	7.0	14.0	\$ 55.90	£ 38.80	€ 49.70	¥ 472.10	-4.0	2.0	3.4
LK1836L1	-9.7	10.0	12.0	\$ 57.90	£ 40.20	€ 51.50	¥ 489.00	-5.0	2.0	4.8
LK1836L2	-9.7	10.0	20.0	\$ 64.80	£ 45.00	€ 57.60	¥ 547.20	-5.0	2.0	4.8
LK1684L1	-12.7	10.0	12.0	\$ 46.90	£ 32.60	€ 41.70	¥ 396.10	-6.6	2.0	3.8
LK1816L1	-13.7	13.0	15.0	\$ 54.90	£ 38.10	€ 48.80	¥ 463.60	-7.1	2.0	5.3
LK1753L1	-15.0	10.0	12.0	\$ 47.90	£ 33.30	€ 42.60	¥ 404.50	-7.8	2.0	3.4
LK1753L2	-15.0	10.0	20.0	\$ 53.90	£ 37.40	€ 47.90	¥ 455.20	-7.8	2.0	3.4
LK1037L1	-19.0	19.0	21.0	\$ 69.80	£ 48.40	€ 62.00	¥ 589.40	-9.8	2.0	7.9
LK1037L2	-19.0	19.0	38.0	\$ 79.80	£ 55.40	€ 70.90	¥ 673.90	-9.8	2.0	7.9
LK1085L1	-20.0	15.0	17.0	\$ 59.90	£ 41.60	€ 53.20	¥ 505.80	-10.3	2.0	4.7
LK1085L2	-20.0	15.0	30.0	\$ 67.80	£ 47.10	€ 60.20	¥ 572.60	-10.3	2.0	4.7
LK1006L1	-22.2	12.5	15.0	\$ 53.90	£ 37.40	€ 47.90	¥ 455.20	-11.5	2.0	3.5
LK1426L1	-25.0	10.0	12.0	\$ 47.90	£ 33.30	€ 42.60	¥ 404.50	-12.9	2.0	2.8
LK1900L1	-25.4	16.0	18.0	\$ 61.80	£ 42.90	€ 54.90	¥ 521.90	-13.1	2.0	4.4
LK1982L1	-30.0	20.0	22.0	\$ 71.80	£ 49.80	€ 63.80	¥ 606.30	-15.5	2.0	5.3
LK1982L2	-30.0	20.0	40.0	\$ 83.80	£ 58.10	€ 74.40	¥ 707.70	-15.5	2.0	5.3
LK1325L1	-38.1	26.0	28.0	\$ 87.80	£ 60.90	€ 78.00	¥ 741.40	-19.7	2.0	6.5
LK1283L1	-40.0	10.0	12.0	\$ 47.90	£ 33.30	€ 42.60	¥ 404.50	-20.7	2.0	2.5
LK1662L1	-50.0	20.0	22.0	\$ 71.80	£ 49.80	€ 63.80	¥ 606.30	-25.8	2.0	3.8
LK1336L1	-50.0	30.0	32.0	\$ 97.80	£ 67.80	€ 86.90	¥ 825.90	-25.8	2.0	6.5
LK1792L1	-50.8	50.8	53.0	\$ 149.60	£ 103.80	€ 132.90	¥ 1,263.30	-26.4	2.0	19.9
LK1431L1	-75.0	50.8	53.0	\$ 149.60	£ 103.80	€ 132.90	¥ 1,263.30	-38.8	2.0	11.1
LK1526L1	-80.0	20.0	22.0	\$ 71.80	£ 49.80	€ 63.80	¥ 606.30	-41.3	3.0	4.1
LK1743L1	-100.0	30.0	32.0	\$ 97.80	£ 67.80	€ 86.90	¥ 825.90	-51.7	3.0	5.1
LK1936L1	-100.0	100.0	90.0	\$ 269.30	£ 186.70	€ 239.10	¥ 2,274.00	-51.7	3.0	39.9
LK1419L1	-150.0	30.0	32.0	\$ 97.80	£ 67.80	€ 86.90	¥ 825.90	-77.5	3.0	4.4
LK1069L1	-200.0	30.0	32.0	\$ 97.80	£ 67.80	€ 86.90	¥ 825.90	-103.4	3.0	4.0
LK1069L2	-200.0	30.0	60.0	\$ 111.70	£ 77.50	€ 99.20	¥ 943.20	-103.4	3.0	4.0
LK1030L1	-250.0	30.0	32.0	\$ 97.80	£ 67.80	€ 86.90	¥ 825.90	-129.2	3.0	3.8
LK1487L1	-400.0	30.0	32.0	\$ 97.80	£ 67.80	€ 86.90	¥ 825.90	-206.7	3.0	3.5
LK1487L2	-400.0	30.0	60.0	\$ 111.70	£ 77.50	€ 99.20	¥ 943.20	-206.7	3.0	3.5
LK1002L1	-1000.0	30.0	32.0	\$ 97.80	£ 67.80	€ 86.90	¥ 825.90	-516.8	3.0	3.2
LK1002L2	-1000.0	30.0	60.0	\$ 111.70	£ 77.50	€ 99.20	¥ 943.20	-516.8	3.0	3.2