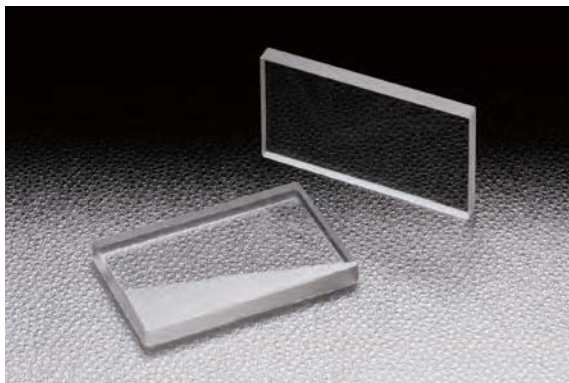


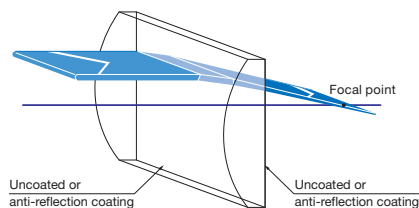
Cylindrical plano-convex lens has a convex curvature in the vertical direction and has no curvature in the horizontal direction.

They are often used to condense a laser beam into a thin line.

- Plano Convex Cylindrical lenses are available in BK7 for from visible range to infrared wavelength range and high-strength synthetic fused silica which has high laser damage threshold used in applications with 350nm ultraviolet light.
- BK7 lenses are also available with three types of anti-reflection coatings, visible wavelength range, in the near-infrared range and in the infrared range.
- Cylindrical lenses are often used in an optical system to change the shape and aspect ratio of the illumination light beam.

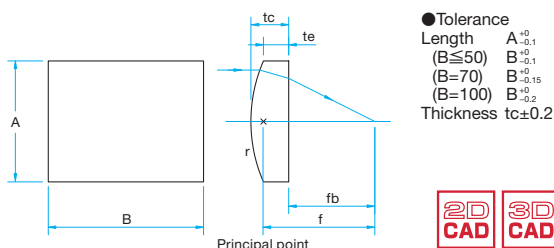


Schematic



Outline Drawing

(in mm)



How to specify the anti-reflection coating

In case of specifying an anti-reflection coating 633nm – 1064nm to near infrared lens of CLB-30100-500P.
 ⇒ CLB-30100-500PIR1

Type of AR Coat	Part Number	Wavelength Range [nm]	Transmittance [%]
Visible range	CLB-30100-500PM	400 – 700	> Average 99
Near-infrared	CLB-30100-500PIR1	633 – 1064	> Average 98.5
Infrared	CLB-30100-500PIR2	750 – 1550	> Average 98.5

! Part of the above is an example of if you want to coat anti-reflective coating on the lens of the CLB-30100-500P.

! Anti-reflection coating can be available to the lens of all of CLB.

Compatible Optic Mounts

CHA-25, -60, -130

Specifications

Material	CLB: BK7 CLSQ: Synthetic fused silica
Design wavelength	546.1nm
Refractive index	BK7: $n_e=1.519$ Synthetic fused silica: $n_e=1.460$
Coating	Uncoated: the end of the part number 'P' Anti-reflection coating: the end of the part number 'PM', 'PIR1', 'PIR2'
Laser Damage Threshold	Anti-reflection coating: $4J/cm^2$ Laser pulse with 10ns, repetition frequency 20Hz
Clear aperture	90% of square or rectangle to actual dimension
Surface Quality (Scratch-Dig)	20-10

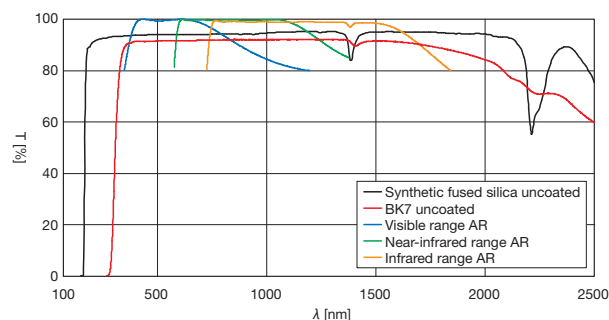
Guide

- ▶ Lenses are available in a large selection and in custom sizes and focal lengths.
- ▶ In addition to our standard coating we offer custom anti-reflective coating at specific wavelengths.
- ▶ We offer holders to mount our catalog cylindrical lenses, consult our Sales Division for assistance in your selection (CHA).

Attention

- ▶ Plano-convex cylindrical lens have chromatic aberration, and the focal length will vary depending on the wavelength. Please check the "wavelength characteristic of the focal length data" on the Web for the focal lengths of each wavelength.
- ▶ When using a plano-convex cylindrical lens parallel light should incident to the convex side first. There is a possibility that the spherical aberration will increase and optical performance of the system will be degraded if use in reverse.
- ▶ Transmissions losses due to reflection off the front and rear surfaces of the lens can be minimized by coating the surfaces. Consult our Sales Division for anti-reflection coatings suitable for your application.

Typical Transmittance Data





BK7 10x10mm – 20x30mm

Part Number	How to specify the anti-reflection coating			AxB [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]
	Uncoated	Visibe 400 – 700nm	Near-infrared 633 – 1064nm						
CLB-1010-15P	M	IR1	IR2	10x10	15	2.2	4.0	12.4	7.79
CLB-1010-20P	M	IR1	IR2	10x10	20	1.7	3.0	18.0	10.38
CLB-1010-25P	M	IR1	IR2	10x10	25	2.0	3.0	23.0	12.98
CLB-1010-30P	M	IR1	IR2	10x10	30	2.2	3.0	28.0	15.57
CLB-1010-40P	M	IR1	IR2	10x10	40	2.4	3.0	38.0	20.76
CLB-1020-15P	M	IR1	IR2	10x20	15	2.2	4.0	12.4	7.79
CLB-1020-20P	M	IR1	IR2	10x20	20	1.7	3.0	18.0	10.38
CLB-1020-25P	M	IR1	IR2	10x20	25	2.0	3.0	23.0	12.98
CLB-1020-30P	M	IR1	IR2	10x20	30	2.2	3.0	28.0	15.57
CLB-1020-40P	M	IR1	IR2	10x20	40	2.4	3.0	38.0	20.76
CLB-1070-15P	M	IR1	IR2	10x70	15	2.2	4.0	12.4	7.79
CLB-1070-20P	M	IR1	IR2	10x70	20	1.7	3.0	18.0	10.38
CLB-1070-25P	M	IR1	IR2	10x70	25	2.0	3.0	23.0	12.98
CLB-1070-30P	M	IR1	IR2	10x70	30	2.2	3.0	28.0	15.57
CLB-1070-40P	M	IR1	IR2	10x70	40	2.4	3.0	38.0	20.76
CLB-1515-20P	M	IR1	IR2	15x15	20	1.8	5.0	16.7	10.38
CLB-1515-25P	M	IR1	IR2	15x15	25	2.6	5.0	21.7	12.98
CLB-1515-30P	M	IR1	IR2	15x15	30	2.1	4.0	27.4	15.57
CLB-1515-40P	M	IR1	IR2	15x15	40	2.6	4.0	37.4	20.76
CLB-1525-20P	M	IR1	IR2	15x25	20	1.8	5.0	16.7	10.38
CLB-1525-25P	M	IR1	IR2	15x25	25	2.6	5.0	21.7	12.98
CLB-1525-30P	M	IR1	IR2	15x25	30	2.1	4.0	27.4	15.57
CLB-1525-40P	M	IR1	IR2	15x25	40	2.6	4.0	37.4	20.76
CLB-1570-20P	M	IR1	IR2	15x70	20	1.8	5.0	16.7	10.38
CLB-1570-25P	M	IR1	IR2	15x70	25	2.6	5.0	21.7	12.98
CLB-1570-30P	M	IR1	IR2	15x70	30	2.1	4.0	27.4	15.57
CLB-1570-40P	M	IR1	IR2	15x70	40	2.6	4.0	37.4	20.76
CLB-2020-25P	M	IR1	IR2	20x20	25	2.3	7.0	20.4	12.98
CLB-2020-30P	M	IR1	IR2	20x20	30	2.4	6.0	26.1	15.57
CLB-2020-40P	M	IR1	IR2	20x20	40	2.4	5.0	36.7	20.76
CLB-2020-50P	M	IR1	IR2	20x20	50	2.0	4.0	47.4	25.95
CLB-2020-60P	M	IR1	IR2	20x20	60	2.4	4.0	57.3	31.14
CLB-2020-70P	M	IR1	IR2	20x20	70	2.6	4.0	67.4	36.33
CLB-2020-80P	M	IR1	IR2	20x20	80	2.8	4.0	77.4	41.52
CLB-2020-100P	M	IR1	IR2	20x20	100	3.0	4.0	97.4	51.90
CLB-2020-130P	M	IR1	IR2	20x20	130	3.3	4.0	127.4	67.47
CLB-2020-150P	M	IR1	IR2	20x20	150	3.4	4.0	147.4	77.85
CLB-2020-200P	M	IR1	IR2	20x20	200	3.5	4.0	197.4	103.80
CLB-2020-250P	M	IR1	IR2	20x20	250	3.6	4.0	247.4	129.75
CLB-2020-300P	M	IR1	IR2	20x20	300	3.7	4.0	297.4	155.70
CLB-2020-400P	M	IR1	IR2	20x20	400	3.8	4.0	397.4	207.60
CLB-2020-500P	M	IR1	IR2	20x20	500	3.8	4.0	497.4	259.50
CLB-2020-700P	M	IR1	IR2	20x20	700	3.9	4.0	697.4	363.30
CLB-2020-1000P	M	IR1	IR2	20x20	1000	3.9	4.0	997.4	519.00
CLB-2030-25P	M	IR1	IR2	20x30	25	2.3	7.0	20.4	12.98
CLB-2030-30P	M	IR1	IR2	20x30	30	2.4	6.0	26.1	15.57
CLB-2030-40P	M	IR1	IR2	20x30	40	2.4	5.0	36.7	20.76
CLB-2030-50P	M	IR1	IR2	20x30	50	2.0	4.0	47.4	25.95
CLB-2030-60P	M	IR1	IR2	20x30	60	2.4	4.0	57.3	31.14
CLB-2030-70P	M	IR1	IR2	20x30	70	2.6	4.0	67.4	36.33
CLB-2030-80P	M	IR1	IR2	20x30	80	2.8	4.0	77.4	41.52
CLB-2030-100P	M	IR1	IR2	20x30	100	3.0	4.0	97.4	51.90
CLB-2030-130P	M	IR1	IR2	20x30	130	3.3	4.0	127.4	67.47
CLB-2030-150P	M	IR1	IR2	20x30	150	3.4	4.0	147.4	77.85
CLB-2030-200P	M	IR1	IR2	20x30	200	3.5	4.0	197.4	103.80
CLB-2030-250P	M	IR1	IR2	20x30	250	3.6	4.0	247.4	129.75
CLB-2030-300P	M	IR1	IR2	20x30	300	3.7	4.0	297.4	155.70
CLB-2030-400P	M	IR1	IR2	20x30	400	3.8	4.0	397.4	207.60
CLB-2030-500P	M	IR1	IR2	20x30	500	3.8	4.0	497.4	259.50
CLB-2030-700P	M	IR1	IR2	20x30	700	3.9	4.0	697.4	363.30
CLB-2030-1000P	M	IR1	IR2	20x30	1000	3.9	4.0	997.4	519.00

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

Motoeized Stages

Light Sources & Laser Safety

Index

Guide

Mirrors

Beamsplitters

Polarizers

Lenses

Multi-Element Optics

Filters

Prisms

Substrates/Windows

Optical Data

Maintenance

Selection Guide

Plano Convex Lenses

Plano Concave Lenses

Biconvex Lenses

Biconcave Lenses

Kit

Reasonable Lens

Cylindrical

Others

Cylindrical Plano Convex Lenses

CLB-P/CLSQ-P

BK7 20x40mm – 30x30mm

Application Systems	Uncoated	How to specify the anti-reflection coating			AxB [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]
	Part Number	Visible 400 – 700nm	Near-infrared 633 – 1064nm	Infrared 750 – 1550nm						
Optics & Optical Coatings	CLB-2040-25P	M	IR1	IR2	20x40	25	2.3	7.0	20.4	12.98
	CLB-2040-30P	M	IR1	IR2	20x40	30	2.4	6.0	26.1	15.57
Opto-Mechanics	CLB-2040-40P	M	IR1	IR2	20x40	40	2.4	5.0	36.7	20.76
	CLB-2040-50P	M	IR1	IR2	20x40	50	2.0	4.0	47.4	25.95
	CLB-2040-60P	M	IR1	IR2	20x40	60	2.4	4.0	57.3	31.14
	CLB-2040-70P	M	IR1	IR2	20x40	70	2.6	4.0	67.4	36.33
Bases	CLB-2040-80P	M	IR1	IR2	20x40	80	2.8	4.0	77.4	41.52
	CLB-2040-100P	M	IR1	IR2	20x40	100	3.0	4.0	97.4	51.90
Manual Stages	CLB-2040-130P	M	IR1	IR2	20x40	130	3.3	4.0	127.4	67.47
	CLB-2040-150P	M	IR1	IR2	20x40	150	3.4	4.0	147.4	77.85
Actuators & Adjusters	CLB-2040-200P	M	IR1	IR2	20x40	200	3.5	4.0	197.4	103.80
	CLB-2040-250P	M	IR1	IR2	20x40	250	3.6	4.0	247.4	129.75
	CLB-2040-300P	M	IR1	IR2	20x40	300	3.7	4.0	297.4	155.70
Motorized Stages	CLB-2040-400P	M	IR1	IR2	20x40	400	3.8	4.0	397.4	207.60
	CLB-2040-500P	M	IR1	IR2	20x40	500	3.8	4.0	497.4	259.50
Light Sources & Laser Safety	CLB-2040-700P	M	IR1	IR2	20x40	700	3.9	4.0	697.4	363.30
	CLB-2040-1000P	M	IR1	IR2	20x40	1000	3.9	4.0	997.4	519.00
Index	CLB-2050-100P	M	IR1	IR2	20x50	100	3.0	4.0	97.4	51.90
	CLB-2050-130P	M	IR1	IR2	20x50	130	3.3	4.0	127.4	67.47
	CLB-2050-150P	M	IR1	IR2	20x50	150	3.4	4.0	147.4	77.85
	CLB-2050-200P	M	IR1	IR2	20x50	200	3.5	4.0	197.4	103.80
	CLB-2050-250P	M	IR1	IR2	20x50	250	3.6	4.0	247.4	129.75
Guide	CLB-2050-300P	M	IR1	IR2	20x50	300	3.7	4.0	297.4	155.70
	CLB-2050-400P	M	IR1	IR2	20x50	400	3.8	4.0	397.4	207.60
Mirrors	CLB-2050-500P	M	IR1	IR2	20x50	500	3.8	4.0	497.4	259.50
	CLB-2050-700P	M	IR1	IR2	20x50	700	3.9	4.0	697.4	363.30
Beamsplitters	CLB-2050-1000P	M	IR1	IR2	20x50	1000	3.9	4.0	997.4	519.00
	CLB-2070-25P	M	IR1	IR2	20x70	25	2.3	7.0	20.4	12.98
Polarizers	CLB-2070-30P	M	IR1	IR2	20x70	30	2.4	6.0	26.1	15.57
	CLB-2070-40P	M	IR1	IR2	20x70	40	2.4	5.0	36.7	20.76
Lenses	CLB-2070-50P	M	IR1	IR2	20x70	50	2.0	4.0	47.4	25.95
	CLB-2070-60P	M	IR1	IR2	20x70	60	2.4	4.0	57.3	31.14
Multi-Element Optics	CLB-2070-70P	M	IR1	IR2	20x70	70	2.6	4.0	67.4	36.33
	CLB-2070-80P	M	IR1	IR2	20x70	80	2.8	4.0	77.4	41.52
Filters	CLB-2070-100P	M	IR1	IR2	20x70	100	3.0	4.0	97.4	51.90
	CLB-2070-130P	M	IR1	IR2	20x100	130	3.3	4.0	127.4	67.47
Prisms	CLB-2070-150P	M	IR1	IR2	20x100	150	3.4	4.0	147.4	77.85
	CLB-2070-200P	M	IR1	IR2	20x100	200	3.5	4.0	197.4	103.80
Substrates/Windows	CLB-20100-300P	M	IR1	IR2	20x100	300	3.7	4.0	297.4	155.70
	CLB-20100-50P	M	IR1	IR2	30x30	50	2.2	7.0	45.4	25.95
Optical Data	CLB-3030-60P	M	IR1	IR2	30x30	60	2.1	6.0	56.0	31.14
	CLB-3030-70P	M	IR1	IR2	30x30	70	1.8	5.0	66.7	36.33
Maintenance	CLB-3030-80P	M	IR1	IR2	30x30	80	2.2	5.0	76.7	41.52
	CLB-3030-100P	M	IR1	IR2	30x30	100	2.8	5.0	96.7	51.90
Selection Guide	CLB-3030-130P	M	IR1	IR2	30x30	130	3.3	5.0	126.7	67.47
	CLB-3030-150P	M	IR1	IR2	30x30	150	3.5	5.0	146.7	77.85
Plano Convex Lenses	CLB-3030-200P	M	IR1	IR2	30x30	200	3.9	5.0	196.7	103.80
Plano Concave Lenses	CLB-3030-250P	M	IR1	IR2	30x30	250	4.0	5.0	246.7	129.75
Biconvex Lenses	CLB-3030-300P	M	IR1	IR2	30x30	300	4.3	5.0	296.7	155.70
Biconcave Lenses	CLB-3030-400P	M	IR1	IR2	30x30	400	4.5	5.0	396.7	207.60
Kit	CLB-3030-500P	M	IR1	IR2	30x30	500	4.6	5.0	496.7	259.50
	CLB-3030-700P	M	IR1	IR2	30x30	700	4.7	5.0	696.7	363.30
Reasonable Lens	CLB-3030-1000P	M	IR1	IR2	30x30	1000	4.8	5.0	996.7	519.00
Cylindrical										
Others										



BK7 30×40mm – 30×100mm

Part Number	How to specify the anti-reflection coating			A×B [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]
	Uncoated	Visible 400 – 700nm	Near-infrared 633 – 1064nm						
CLB-3040-50P	M	IR1	IR2	30×40	50	2.2	7.0	45.4	25.95
CLB-3040-60P	M	IR1	IR2	30×40	60	2.1	6.0	56.0	31.14
CLB-3040-70P	M	IR1	IR2	30×40	70	1.8	5.0	66.7	36.33
CLB-3040-80P	M	IR1	IR2	30×40	80	2.2	5.0	76.7	41.52
CLB-3040-100P	M	IR1	IR2	30×40	100	2.8	5.0	96.7	51.90
CLB-3040-130P	M	IR1	IR2	30×40	130	3.3	5.0	126.7	67.47
CLB-3040-150P	M	IR1	IR2	30×40	150	3.5	5.0	146.7	77.85
CLB-3040-200P	M	IR1	IR2	30×40	200	3.9	5.0	196.7	103.80
CLB-3040-250P	M	IR1	IR2	30×40	250	4.0	5.0	246.7	129.75
CLB-3040-300P	M	IR1	IR2	30×40	300	4.3	5.0	296.7	155.70
CLB-3040-400P	M	IR1	IR2	30×40	400	4.5	5.0	396.7	207.60
CLB-3040-500P	M	IR1	IR2	30×40	500	4.6	5.0	496.7	259.50
CLB-3040-700P	M	IR1	IR2	30×40	700	4.7	5.0	696.7	363.30
CLB-3040-1000P	M	IR1	IR2	30×40	1000	4.8	5.0	996.7	519.00
CLB-3050-50P	M	IR1	IR2	30×50	50	2.2	7.0	45.4	25.95
CLB-3050-60P	M	IR1	IR2	30×50	60	2.1	6.0	56.0	31.14
CLB-3050-70P	M	IR1	IR2	30×50	70	1.8	5.0	66.7	36.33
CLB-3050-80P	M	IR1	IR2	30×50	80	2.2	5.0	76.7	41.52
CLB-3050-100P	M	IR1	IR2	30×50	100	2.8	5.0	96.7	51.90
CLB-3050-130P	M	IR1	IR2	30×50	130	3.3	5.0	126.7	67.47
CLB-3050-150P	M	IR1	IR2	30×50	150	3.5	5.0	146.7	77.85
CLB-3050-200P	M	IR1	IR2	30×50	200	3.9	5.0	196.7	103.80
CLB-3050-250P	M	IR1	IR2	30×50	250	4.0	5.0	246.7	129.75
CLB-3050-300P	M	IR1	IR2	30×50	300	4.3	5.0	296.7	155.70
CLB-3050-400P	M	IR1	IR2	30×50	400	4.5	5.0	396.7	207.60
CLB-3050-500P	M	IR1	IR2	30×50	500	4.6	5.0	496.7	259.50
CLB-3050-700P	M	IR1	IR2	30×50	700	4.7	5.0	696.7	363.30
CLB-3050-1000P	M	IR1	IR2	30×50	1000	4.8	5.0	996.7	519.00
CLB-3070-50P	M	IR1	IR2	30×70	50	2.2	7.0	45.4	25.95
CLB-3070-60P	M	IR1	IR2	30×70	60	2.1	6.0	56.0	31.14
CLB-3070-70P	M	IR1	IR2	30×70	70	1.8	5.0	66.7	36.33
CLB-3070-80P	M	IR1	IR2	30×70	80	2.2	5.0	76.7	41.52
CLB-3070-100P	M	IR1	IR2	30×70	100	2.8	5.0	96.7	51.90
CLB-30100-130P	M	IR1	IR2	30×100	130	3.3	5.0	126.7	67.47
CLB-30100-150P	M	IR1	IR2	30×100	150	3.5	5.0	146.7	77.85
CLB-30100-200P	M	IR1	IR2	30×100	200	3.9	5.0	196.7	103.80

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

Motoeized Stages

Light Sources & Laser Safety

Index

Guide

Mirrors

Beamsplitters

Polarizers

Lenses

Multi-Element Optics

Filters

Prisms

Substrates/Windows

Optical Data

Maintenance

Selection Guide

Plano Convex Lenses

Plano Concave Lenses

Biconvex Lenses

Biconcave Lenses

Kit

Reasonable Lens

Cylindrical

Others

Cylindrical Plano Convex Lenses

CLB-P/CLSQ-P

Synthetic fused silica 10×10mm – 20×30mm							
Part Number	A×B [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	
CLSQ-1010-15P	10×10	15	1.9	4.0	12.3	6.90	
CLSQ-1010-20P	10×10	20	1.5	3.0	17.9	9.20	
CLSQ-1010-25P	10×10	25	1.9	3.0	22.9	11.50	
CLSQ-1010-30P	10×10	30	2.1	3.0	27.9	13.80	
CLSQ-1010-40P	10×10	40	2.3	3.0	37.9	18.40	
CLSQ-1020-15P	10×20	15	1.9	4.0	12.3	6.90	
CLSQ-1020-20P	10×20	20	1.5	3.0	17.9	9.20	
CLSQ-1020-25P	10×20	25	1.9	3.0	22.9	11.50	
CLSQ-1020-30P	10×20	30	2.1	3.0	27.9	13.80	
CLSQ-1020-40P	10×20	40	2.3	3.0	37.9	18.40	
CLSQ-1070-15P	10×70	15	1.9	4.0	12.3	6.90	
CLSQ-1070-20P	10×70	20	1.5	3.0	17.9	9.20	
CLSQ-1070-25P	10×70	25	1.9	3.0	22.9	11.50	
CLSQ-1070-30P	10×70	30	2.1	3.0	27.9	13.80	
CLSQ-1070-40P	10×70	40	2.3	3.0	37.9	18.40	
CLSQ-1515-20P	15×15	20	2.1	6.0	16.0	9.20	
CLSQ-1515-25P	15×15	25	2.2	5.0	21.6	11.50	
CLSQ-1515-30P	15×15	30	1.8	4.0	27.3	13.80	
CLSQ-1515-40P	15×15	40	2.4	4.0	37.3	18.40	
CLSQ-1525-20P	15×25	20	2.1	6.0	16.0	9.20	
CLSQ-1525-25P	15×25	25	2.2	5.0	21.6	11.50	
CLSQ-1525-30P	15×25	30	1.8	4.0	27.3	13.80	
CLSQ-1525-40P	15×25	40	2.4	4.0	37.3	18.40	
CLSQ-1570-20P	15×70	20	2.1	6.0	16.0	9.20	
CLSQ-1570-25P	15×70	25	2.2	5.0	21.6	11.50	
CLSQ-1570-30P	15×70	30	1.8	4.0	27.3	13.80	
CLSQ-1570-40P	15×70	40	2.4	4.0	37.3	18.40	
CLSQ-2020-25P	20×20	25	1.2	7.0	20.2	11.50	
CLSQ-2020-30P	20×20	30	1.7	6.0	25.9	13.80	
CLSQ-2020-40P	20×20	40	2.0	5.0	36.6	18.40	
CLSQ-2020-50P	20×20	50	1.7	4.0	47.3	23.00	
CLSQ-2020-60P	20×20	60	2.1	4.0	57.3	27.60	
CLSQ-2020-70P	20×20	70	2.4	4.0	67.3	32.20	
CLSQ-2020-80P	20×20	80	2.6	4.0	77.3	36.80	
CLSQ-2020-100P	20×20	100	2.9	4.0	97.3	46.00	
CLSQ-2020-130P	20×20	130	3.2	4.0	127.3	59.80	
CLSQ-2020-150P	20×20	150	3.3	4.0	147.3	69.00	
CLSQ-2020-200P	20×20	200	3.5	4.0	197.3	92.00	
CLSQ-2020-250P	20×20	250	3.6	4.0	247.3	115.00	
CLSQ-2020-300P	20×20	300	3.6	4.0	297.3	138.00	
CLSQ-2020-400P	20×20	400	3.7	4.0	397.3	184.00	
CLSQ-2020-500P	20×20	500	3.7	4.0	497.3	230.00	
CLSQ-2020-700P	20×20	700	3.8	4.0	697.3	322.00	
CLSQ-2020-1000P	20×20	1000	3.8	4.0	997.3	460.00	
CLSQ-2030-25P	20×30	25	1.2	7.0	20.2	11.50	
CLSQ-2030-30P	20×30	30	1.7	6.0	25.9	13.80	
CLSQ-2030-40P	20×30	40	2.0	5.0	36.6	18.40	
CLSQ-2030-50P	20×30	50	1.7	4.0	47.3	23.00	
CLSQ-2030-60P	20×30	60	2.1	4.0	57.3	27.60	
CLSQ-2030-70P	20×30	70	2.4	4.0	67.3	32.20	
CLSQ-2030-80P	20×30	80	2.6	4.0	77.3	36.80	
CLSQ-2030-100P	20×30	100	2.9	4.0	97.3	46.00	
CLSQ-2030-130P	20×30	130	3.2	4.0	127.3	59.80	
CLSQ-2030-150P	20×30	150	3.3	4.0	147.3	69.00	
CLSQ-2030-200P	20×30	200	3.5	4.0	197.3	92.00	
CLSQ-2030-250P	20×30	250	3.6	4.0	247.3	115.00	
CLSQ-2030-300P	20×30	300	3.6	4.0	297.3	138.00	
CLSQ-2030-400P	20×30	400	3.7	4.0	397.3	184.00	
CLSQ-2030-500P	20×30	500	3.7	4.0	497.3	230.00	
CLSQ-2030-700P	20×30	700	3.8	4.0	697.3	322.00	
CLSQ-2030-1000P	20×30	1000	3.8	4.0	997.3	460.00	



Synthetic fused silica 20x40mm – 30x30mm

Part Number	AxB [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]
CLSQ-2040-25P	20x40	25	1.2	7.0	20.2	11.50
CLSQ-2040-30P	20x40	30	1.7	6.0	25.9	13.80
CLSQ-2040-40P	20x40	40	2.0	5.0	36.6	18.40
CLSQ-2040-50P	20x40	50	1.7	4.0	47.3	23.00
CLSQ-2040-60P	20x40	60	2.1	4.0	57.3	27.60
CLSQ-2040-70P	20x40	70	2.4	4.0	67.3	32.20
CLSQ-2040-80P	20x40	80	2.6	4.0	77.3	36.80
CLSQ-2040-100P	20x40	100	2.9	4.0	97.3	46.00
CLSQ-2040-130P	20x40	130	3.2	4.0	127.3	59.80
CLSQ-2040-150P	20x40	150	3.3	4.0	147.3	69.00
CLSQ-2040-200P	20x40	200	3.5	4.0	197.3	92.00
CLSQ-2040-250P	20x40	250	3.6	4.0	247.3	115.00
CLSQ-2040-300P	20x40	300	3.6	4.0	297.3	138.00
CLSQ-2040-400P	20x40	400	3.7	4.0	397.3	184.00
CLSQ-2040-500P	20x40	500	3.7	4.0	497.3	230.00
CLSQ-2040-700P	20x40	700	3.8	4.0	697.3	322.00
CLSQ-2040-1000P	20x40	1000	3.8	4.0	997.3	460.00
CLSQ-2050-100P	20x50	100	2.9	4.0	97.3	46.00
CLSQ-2050-130P	20x50	130	3.2	4.0	127.3	59.80
CLSQ-2050-150P	20x50	150	3.3	4.0	147.3	69.00
CLSQ-2050-200P	20x50	200	3.5	4.0	197.3	92.00
CLSQ-2050-250P	20x50	250	3.6	4.0	247.3	115.00
CLSQ-2050-300P	20x50	300	3.6	4.0	297.3	138.00
CLSQ-2050-400P	20x50	400	3.7	4.0	397.3	184.00
CLSQ-2050-500P	20x50	500	3.7	4.0	497.3	230.00
CLSQ-2050-700P	20x50	700	3.8	4.0	697.3	322.00
CLSQ-2050-1000P	20x50	1000	3.8	4.0	997.3	460.00
CLSQ-2070-25P	20x70	25	1.2	7.0	20.2	11.50
CLSQ-2070-30P	20x70	30	1.7	6.0	25.9	13.80
CLSQ-2070-40P	20x70	40	2.0	5.0	36.6	18.40
CLSQ-2070-50P	20x70	50	1.7	4.0	47.3	23.00
CLSQ-2070-60P	20x70	60	2.1	4.0	57.3	27.60
CLSQ-2070-70P	20x70	70	2.4	4.0	67.3	32.20
CLSQ-2070-80P	20x70	80	2.6	4.0	77.3	36.80
CLSQ-2070-100P	20x70	100	2.9	4.0	97.3	46.00
CLSQ-20100-130P	20x100	130	3.2	4.0	127.3	59.80
CLSQ-20100-150P	20x100	150	3.3	4.0	147.3	69.00
CLSQ-20100-200P	20x100	200	3.5	4.0	197.3	92.00
CLSQ-20100-250P	20x100	250	3.6	4.0	247.3	115.00
CLSQ-20100-300P	20x100	300	3.6	4.0	297.3	138.00
CLSQ-20100-400P	20x100	400	3.7	4.0	397.3	184.00
CLSQ-20100-500P	20x100	500	3.7	4.0	497.3	230.00
CLSQ-20100-700P	20x100	700	3.8	4.0	697.3	322.00
CLSQ-20100-1000P	20x100	1000	3.8	4.0	997.3	460.00
CLSQ-3030-50P	30x30	50	1.4	7.0	45.2	23.00
CLSQ-3030-60P	30x30	60	1.6	6.0	55.9	27.60
CLSQ-3030-70P	30x30	70	2.3	6.0	65.9	32.20
CLSQ-3030-80P	30x30	80	1.8	5.0	79.6	36.80
CLSQ-3030-100P	30x30	100	2.5	5.0	96.6	46.00
CLSQ-3030-130P	30x30	130	3.1	5.0	126.6	59.80
CLSQ-3030-150P	30x30	150	3.3	5.0	146.6	69.00
CLSQ-3030-200P	30x30	200	3.8	5.0	196.6	92.00
CLSQ-3030-250P	30x30	250	4.0	5.0	246.6	115.00
CLSQ-3030-300P	30x30	300	4.2	5.0	296.6	138.00
CLSQ-3030-400P	30x30	400	4.4	5.0	396.6	184.00
CLSQ-3030-500P	30x30	500	4.4	5.0	496.6	230.00
CLSQ-3030-700P	30x30	700	4.7	5.0	696.6	322.00
CLSQ-3030-1000P	30x30	1000	4.8	5.0	996.6	460.00

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

Motoeized Stages

Light Sources & Laser Safety

Index

Guide

Mirrors

Beamsplitters

Polarizers

Lenses

Multi-Element Optics

Filters

Prisms

Substrates/Windows

Optical Data

Maintenance

Selection Guide

Plano Convex Lenses

Plano Concave Lenses

Biconvex Lenses

Biconcave Lenses

Kit

Reasonable Lens

Cylindrical

Others

Cylindrical Plano Convex Lenses

CLB-P/CLSQ-P

Synthetic fused silica 30×40mm – 30×100mm

Part Number	A×B [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]
CLSQ-3040-50P	30×40	50	1.4	7.0	45.2	23.00
CLSQ-3040-60P	30×40	60	1.6	6.0	55.9	27.60
CLSQ-3040-70P	30×40	70	2.3	6.0	65.9	32.20
CLSQ-3040-80P	30×40	80	1.8	5.0	79.6	36.80
CLSQ-3040-100P	30×40	100	2.5	5.0	96.6	46.00
CLSQ-3040-130P	30×40	130	3.1	5.0	126.6	59.80
CLSQ-3040-150P	30×40	150	3.3	5.0	146.6	69.00
CLSQ-3040-200P	30×40	200	3.8	5.0	196.6	92.00
CLSQ-3040-250P	30×40	250	4.0	5.0	246.6	115.00
CLSQ-3040-300P	30×40	300	4.2	5.0	296.6	138.00
CLSQ-3040-400P	30×40	400	4.4	5.0	396.6	184.00
CLSQ-3040-500P	30×40	500	4.4	5.0	496.6	230.00
CLSQ-3040-700P	30×40	700	4.7	5.0	696.6	322.00
CLSQ-3040-1000P	30×40	1000	4.8	5.0	996.6	460.00
CLSQ-3050-50P	30×50	50	1.4	7.0	45.2	23.00
CLSQ-3050-60P	30×50	60	1.6	6.0	55.9	27.60
CLSQ-3050-70P	30×50	70	2.3	6.0	65.9	32.20
CLSQ-3050-80P	30×50	80	1.8	5.0	79.6	36.80
CLSQ-3050-100P	30×50	100	2.5	5.0	96.6	46.00
CLSQ-3050-130P	30×50	130	3.1	5.0	126.6	59.80
CLSQ-3050-150P	30×50	150	3.3	5.0	146.6	69.00
CLSQ-3050-200P	30×50	200	3.8	5.0	196.6	92.00
CLSQ-3050-250P	30×50	250	4.0	5.0	246.6	115.00
CLSQ-3050-300P	30×50	300	4.2	5.0	296.6	138.00
CLSQ-3050-400P	30×50	400	4.4	5.0	396.6	184.00
CLSQ-3050-500P	30×50	500	4.4	5.0	496.6	230.00
CLSQ-3050-700P	30×50	700	4.7	5.0	696.6	322.00
CLSQ-3050-1000P	30×50	1000	4.8	5.0	996.6	460.00
CLSQ-30100-130P	30×100	130	3.1	5.0	126.6	59.80
CLSQ-30100-150P	30×100	150	3.3	5.0	146.6	69.00
CLSQ-30100-200P	30×100	200	3.8	5.0	196.6	92.00
CLSQ-30100-250P	30×100	250	4.0	5.0	246.6	115.00
CLSQ-30100-300P	30×100	300	4.2	5.0	296.6	138.00
CLSQ-30100-400P	30×100	400	4.4	5.0	396.6	184.00
CLSQ-30100-500P	30×100	500	4.4	5.0	496.6	230.00
CLSQ-30100-700P	30×100	700	4.7	5.0	696.6	322.00
CLSQ-30100-1000P	30×100	1000	4.8	5.0	996.6	460.00

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

Motorized Stages

Light Sources & Laser Safety

Index

Guide

Mirrors

Beamsplitters

Polarizers

Lenses

Multi-Element Optics

Filters

Prisms

Substrates/Windows

Optical Data

Maintenance

Selection Guide

Plano Convex Lenses

Plano Concave Lenses

Biconvex Lenses

Biconcave Lenses

Kit

Reasonable Lens

Cylindrical

Others