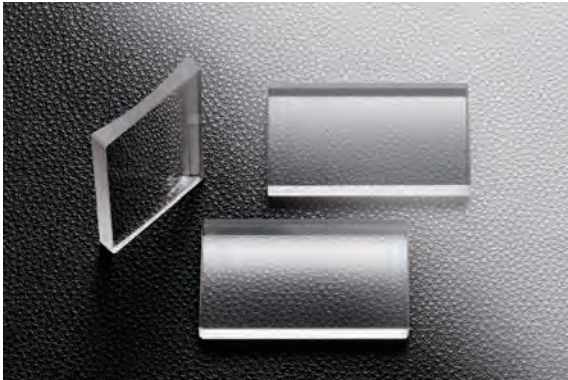


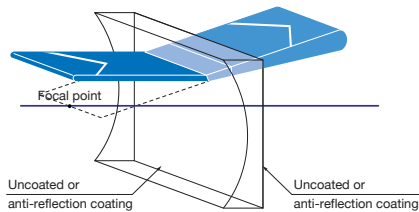
Cylindrical plano-concave lens has a concave curvature in the vertical direction and has no curvature in the horizontal direction.

When used in combination with a plano-convex cylindrical lens an elliptical shaped beam can be sharpened into a circular beam for use in semiconductor and other laser applications.

- Plano Concave 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.

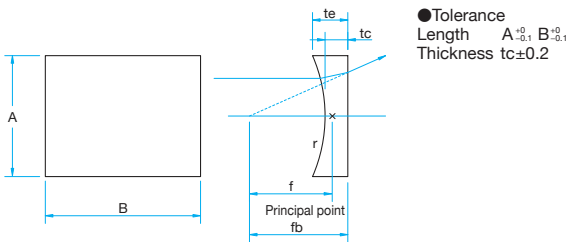


Schematic



Outline Drawing

(in mm)



How to specify the anti-reflection coating

In case of specifying a anti-reflection coating 633nm – 1064nm to near infrared lens of CLB-3050-200N.

⇒ CLB-3050-200NIR1

| Type of AR Coat | Part Number | Wavelength Range [nm] | Transmittance [%] |
|-----------------|------------------|-----------------------|-------------------|
| Visible range | CLB-3050-200NM | 400 – 700 | > Average 99 |
| Near-infrared | CLB-3050-200NIR1 | 633 – 1064 | > Average 98.5 |
| Infrared | CLB-3050-200NIR2 | 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-3050-200N.

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

Compatible Optic Mounts

CHA-25, -60

Specifications

| | |
|-------------------------------|--|
| Material | CLB: BK7 CLSQ: Synthetic fused silica |
| Design wavelength | 546.1nm |
| Refractive index | BK: $n_e=1.519$ Synthetic fused silica: $n_e=1.460$ |
| Coating | Uncoated: the end of the part number 'N' Anti-reflection coating: the end of the part number 'NM', 'NIR1', 'NIR2' |
| 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 |

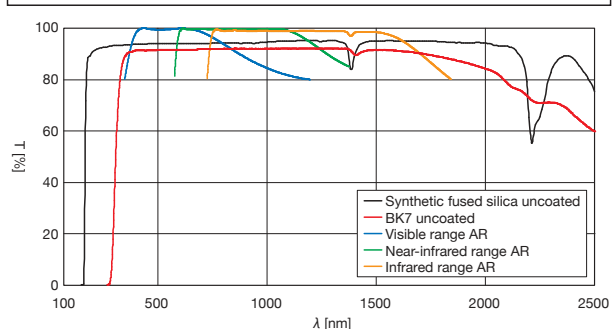
Guide

- ▶ 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).
▶ [WEB Reference](#) [Catalog Code](#) W4022

Attention

- ▶ The cylindrical plano-concave lens has chromatic aberration, 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-concave cylindrical lens parallel light should incident to the concave 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



Cylindrical Plano Concave Lenses

CLB-N/CLSQ-N

Catalog Code W3068

BK7 10×10mm – 30×50mm

| Application Systems | 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 | Visibe 400 – 700nm | Near-infrared 633 – 1064nm | | | | | | |
| Optics & Optical Coatings | CLB-1010-15N | M | IR1 | IR2 | 10×10 | -15 | 4.0 | 2.2 | -16.4 | 7.79 |
| | CLB-1010-20N | M | IR1 | IR2 | 10×10 | -20 | 3.0 | 1.7 | -21.1 | 10.38 |
| | CLB-1010-25N | M | IR1 | IR2 | 10×10 | -25 | 3.0 | 2.0 | -26.3 | 12.98 |
| Opto-Mechanics | CLB-1010-30N | M | IR1 | IR2 | 10×10 | -30 | 3.0 | 2.2 | -31.4 | 15.57 |
| | CLB-1010-40N | M | IR1 | IR2 | 10×10 | -40 | 3.0 | 2.4 | -41.6 | 20.76 |
| | CLB-1020-15N | M | IR1 | IR2 | 10×20 | -15 | 4.0 | 2.2 | -16.4 | 7.79 |
| Bases | CLB-1020-20N | M | IR1 | IR2 | 10×20 | -20 | 3.0 | 1.7 | -21.1 | 10.38 |
| | CLB-1020-25N | M | IR1 | IR2 | 10×20 | -25 | 3.0 | 2.0 | -26.3 | 12.98 |
| | CLB-1020-30N | M | IR1 | IR2 | 10×20 | -30 | 3.0 | 2.2 | -31.4 | 15.57 |
| Manual Stages | CLB-1020-40N | M | IR1 | IR2 | 10×20 | -40 | 3.0 | 2.4 | -41.6 | 20.76 |
| | CLB-1515-20N | M | IR1 | IR2 | 15×15 | -20 | 5.0 | 1.8 | -21.2 | 10.38 |
| | CLB-1515-25N | M | IR1 | IR2 | 15×15 | -25 | 5.0 | 2.6 | -26.7 | 12.98 |
| Actuators & Adjusters | CLB-1515-30N | M | IR1 | IR2 | 15×15 | -30 | 4.0 | 2.1 | -31.4 | 15.57 |
| | CLB-1515-40N | M | IR1 | IR2 | 15×15 | -40 | 4.0 | 2.6 | -41.7 | 20.76 |
| | CLB-1525-20N | M | IR1 | IR2 | 15×25 | -20 | 5.0 | 1.8 | -21.2 | 10.38 |
| Motorized Stages | CLB-1525-25N | M | IR1 | IR2 | 15×25 | -25 | 5.0 | 2.6 | -26.7 | 12.98 |
| | CLB-1525-30N | M | IR1 | IR2 | 15×25 | -30 | 4.0 | 2.1 | -31.4 | 15.57 |
| | CLB-1525-40N | M | IR1 | IR2 | 15×25 | -40 | 4.0 | 2.6 | -41.7 | 20.76 |
| Light Sources & Laser Safety | CLB-2020-25N | M | IR1 | IR2 | 20×20 | -25 | 7.0 | 2.3 | -26.5 | 12.98 |
| | CLB-2020-30N | M | IR1 | IR2 | 20×20 | -30 | 6.0 | 2.4 | -31.6 | 15.57 |
| | CLB-2020-40N | M | IR1 | IR2 | 20×20 | -40 | 5.0 | 2.4 | -41.6 | 20.76 |
| Index | CLB-2020-50N | M | IR1 | IR2 | 20×20 | -50 | 4.0 | 2.0 | -51.3 | 25.95 |
| | CLB-2020-60N | M | IR1 | IR2 | 20×20 | -60 | 4.0 | 2.4 | -61.5 | 31.14 |
| | CLB-2020-70N | M | IR1 | IR2 | 20×20 | -70 | 4.0 | 2.6 | -71.7 | 36.33 |
| Guide | CLB-2020-80N | M | IR1 | IR2 | 20×20 | -80 | 4.0 | 2.8 | -81.8 | 41.52 |
| | CLB-2020-100N | M | IR1 | IR2 | 20×20 | -100 | 4.0 | 3.0 | -102.0 | 51.90 |
| | CLB-2020-130N | M | IR1 | IR2 | 20×20 | -130 | 4.0 | 3.3 | -132.1 | 67.47 |
| Mirrors | CLB-2020-150N | M | IR1 | IR2 | 20×20 | -150 | 4.0 | 3.4 | -152.2 | 77.85 |
| | CLB-2020-200N | M | IR1 | IR2 | 20×20 | -200 | 4.0 | 3.5 | -202.3 | 103.80 |
| | CLB-2020-250N | M | IR1 | IR2 | 20×20 | -250 | 4.0 | 3.6 | -252.4 | 129.75 |
| Beamsplitters | CLB-2020-300N | M | IR1 | IR2 | 20×20 | -300 | 4.0 | 3.7 | -302.4 | 155.70 |
| | CLB-2030-100N | M | IR1 | IR2 | 20×30 | -100 | 4.0 | 3.0 | -102.0 | 51.90 |
| | CLB-2030-130N | M | IR1 | IR2 | 20×30 | -130 | 4.0 | 3.3 | -132.1 | 67.47 |
| Polarizers | CLB-2030-150N | M | IR1 | IR2 | 20×30 | -150 | 4.0 | 3.4 | -152.2 | 77.85 |
| | CLB-2030-200N | M | IR1 | IR2 | 20×30 | -200 | 4.0 | 3.5 | -202.3 | 103.80 |
| | CLB-2030-250N | M | IR1 | IR2 | 20×30 | -250 | 4.0 | 3.6 | -252.4 | 129.75 |
| Lenses | CLB-2030-300N | M | IR1 | IR2 | 20×30 | -300 | 4.0 | 3.7 | -302.4 | 155.70 |
| | CLB-2040-25N | M | IR1 | IR2 | 20×40 | -25 | 7.0 | 2.3 | -26.5 | 12.98 |
| | CLB-2040-30N | M | IR1 | IR2 | 20×40 | -30 | 6.0 | 2.4 | -31.6 | 15.57 |
| Multi-Element Optics | CLB-2040-40N | M | IR1 | IR2 | 20×40 | -40 | 5.0 | 2.4 | -41.6 | 20.76 |
| | CLB-2040-50N | M | IR1 | IR2 | 20×40 | -50 | 4.0 | 2.0 | -51.3 | 25.95 |
| | CLB-2040-60N | M | IR1 | IR2 | 20×40 | -60 | 4.0 | 2.4 | -61.5 | 31.14 |
| Filters | CLB-2040-70N | M | IR1 | IR2 | 20×40 | -70 | 4.0 | 2.6 | -71.7 | 36.33 |
| | CLB-2040-80N | M | IR1 | IR2 | 20×40 | -80 | 4.0 | 2.8 | -81.8 | 41.52 |
| | CLB-2050-100N | M | IR1 | IR2 | 20×50 | -100 | 4.0 | 3.0 | -102.0 | 51.90 |
| Prisms | CLB-2050-130N | M | IR1 | IR2 | 20×50 | -130 | 4.0 | 3.3 | -132.1 | 67.47 |
| | CLB-2050-150N | M | IR1 | IR2 | 20×50 | -150 | 4.0 | 3.4 | -152.2 | 77.85 |
| | CLB-2050-200N | M | IR1 | IR2 | 20×50 | -200 | 4.0 | 3.5 | -202.3 | 103.80 |
| Substrates/Windows | CLB-2050-250N | M | IR1 | IR2 | 20×50 | -250 | 4.0 | 3.6 | -252.4 | 129.75 |
| | CLB-2050-300N | M | IR1 | IR2 | 20×50 | -300 | 4.0 | 3.7 | -302.4 | 155.70 |
| | CLB-3030-50N | M | IR1 | IR2 | 30×30 | -50 | 7.0 | 2.2 | -51.5 | 25.95 |
| Optical Data | CLB-3030-60N | M | IR1 | IR2 | 30×30 | -60 | 6.0 | 2.1 | -61.4 | 31.14 |
| | CLB-3030-70N | M | IR1 | IR2 | 30×30 | -70 | 5.0 | 1.8 | -71.2 | 36.33 |
| | CLB-3030-80N | M | IR1 | IR2 | 30×30 | -80 | 5.0 | 2.2 | -81.4 | 41.52 |
| Maintenance | CLB-3030-100N | M | IR1 | IR2 | 30×30 | -100 | 5.0 | 2.8 | -101.8 | 51.90 |
| | CLB-3030-130N | M | IR1 | IR2 | 30×30 | -130 | 5.0 | 3.3 | -132.2 | 67.47 |
| | CLB-3030-150N | M | IR1 | IR2 | 30×30 | -150 | 5.0 | 3.5 | -152.3 | 77.85 |
| Selection Guide | CLB-3030-200N | M | IR1 | IR2 | 30×30 | -200 | 5.0 | 3.9 | -202.6 | 103.80 |
| | CLB-3030-250N | M | IR1 | IR2 | 30×30 | -250 | 5.0 | 4.1 | -252.7 | 129.75 |
| | CLB-3030-300N | M | IR1 | IR2 | 30×30 | -300 | 5.0 | 4.3 | -302.8 | 155.70 |
| Plano Convex Lenses | CLB-3040-50N | M | IR1 | IR2 | 30×40 | -50 | 7.0 | 2.2 | -51.5 | 25.95 |
| | CLB-3040-60N | M | IR1 | IR2 | 30×40 | -60 | 6.0 | 2.1 | -61.4 | 31.14 |
| | CLB-3040-70N | M | IR1 | IR2 | 30×40 | -70 | 5.0 | 1.8 | -71.2 | 36.33 |
| Plano Concave Lenses | CLB-3040-80N | M | IR1 | IR2 | 30×40 | -80 | 5.0 | 2.2 | -81.4 | 41.52 |
| | CLB-3050-100N | M | IR1 | IR2 | 30×50 | -100 | 5.0 | 2.8 | -101.8 | 51.90 |
| | CLB-3050-130N | M | IR1 | IR2 | 30×50 | -130 | 5.0 | 3.3 | -132.2 | 67.47 |
| Biconvex Lenses | CLB-3050-150N | M | IR1 | IR2 | 30×50 | -150 | 5.0 | 3.5 | -152.3 | 77.85 |
| | CLB-3050-200N | M | IR1 | IR2 | 30×50 | -200 | 5.0 | 3.9 | -202.6 | 103.80 |
| | CLB-3050-250N | M | IR1 | IR2 | 30×50 | -250 | 5.0 | 4.1 | -252.7 | 129.75 |
| Biconcave Lenses | CLB-3050-300N | M | IR1 | IR2 | 30×50 | -300 | 5.0 | 4.3 | -302.8 | 155.70 |
| | CLB-3040-50N | M | IR1 | IR2 | 30×40 | -50 | 7.0 | 2.2 | -51.5 | 25.95 |
| | CLB-3040-60N | M | IR1 | IR2 | 30×40 | -60 | 6.0 | 2.1 | -61.4 | 31.14 |
| Kit | CLB-3040-70N | M | IR1 | IR2 | 30×40 | -70 | 5.0 | 1.8 | -71.2 | 36.33 |
| | CLB-3040-80N | M | IR1 | IR2 | 30×40 | -80 | 5.0 | 2.2 | -81.4 | 41.52 |
| | CLB-3050-100N | M | IR1 | IR2 | 30×50 | -100 | 5.0 | 2.8 | -101.8 | 51.90 |
| Reasonable Lens | CLB-3050-130N | M | IR1 | IR2 | 30×50 | -130 | 5.0 | 3.3 | -132.2 | 67.47 |
| | CLB-3050-150N | M | IR1 | IR2 | 30×50 | -150 | 5.0 | 3.5 | -152.3 | 77.85 |
| | CLB-3050-200N | M | IR1 | IR2 | 30×50 | -200 | 5.0 | 3.9 | -202.6 | 103.80 |
| Cylindrical | CLB-3050-250N | M | IR1 | IR2 | 30×50 | -250 | 5.0 | 4.1 | -252.7 | 129.75 |
| | CLB-3050-300N | M | IR1 | IR2 | 30×50 | -300 | 5.0 | 4.3 | -302.8 | 155.70 |
| | CLB-3040-50N | M | IR1 | IR2 | 30×40 | -50 | 7.0 | 2.2 | -51.5 | 25.95 |
| Others | CLB-3040-60N | M | IR1 | IR2 | 30×40 | -60 | 6.0 | 2.1 | -61.4 | 31.14 |
| | CLB-3040-70N | M | IR1 | IR2 | 30×40 | -70 | 5.0 | 1.8 | -71.2 | 36.33 |
| | CLB-3040-80N | M | IR1 | IR2 | 30×40 | -80 | 5.0 | 2.2 | -81.4 | 41.52 |
| Reasonable Lens | CLB-3050-100N | M | IR1 | IR2 | 30×50 | -100 | 5.0 | 2.8 | -101.8 | 51.90 |
| | CLB-3050-130N | M | IR1 | IR2 | 30×50 | -130 | 5.0 | 3.3 | -132.2 | 67.47 |
| | CLB-3050-150N | M | IR1 | IR2 | 30×50 | -150 | 5.0 | 3.5 | -152.3 | 77.85 |
| Reasonable Lens | CLB-3050-200N | M | IR1 | IR2 | 30×50 | -200 | 5.0 | 3.9 | -202.6 | 103.80 |
| | CLB-3050-250N | M | IR1 | IR2 | 30×50 | -250 | 5.0 | 4.1 | -252.7 | 129.75 |
| | CLB-3050-300N | M | IR1 | IR2 | 30×50 | -300 | 5.0 | 4.3 | -302.8 | 155.70 |



Synthetic fused silica 10x10mm – 30x50mm

| 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-1010-15N | 10x10 | -15 | 4.0 | 1.9 | -16.3 | 6.90 |
| CLSQ-1010-20N | 10x10 | -20 | 3.0 | 1.5 | -21.0 | 9.20 |
| CLSQ-1010-25N | 10x10 | -25 | 3.0 | 1.9 | -26.3 | 11.50 |
| CLSQ-1010-30N | 10x10 | -30 | 3.0 | 2.1 | -31.4 | 13.80 |
| CLSQ-1010-40N | 10x10 | -40 | 3.0 | 2.3 | -41.6 | 18.40 |
| CLSQ-1020-15N | 10x20 | -15 | 4.0 | 1.9 | -16.3 | 6.90 |
| CLSQ-1020-20N | 10x20 | -20 | 3.0 | 1.5 | -21.0 | 9.20 |
| CLSQ-1020-25N | 10x20 | -25 | 3.0 | 1.9 | -26.3 | 11.50 |
| CLSQ-1020-30N | 10x20 | -30 | 3.0 | 2.1 | -31.4 | 13.80 |
| CLSQ-1020-40N | 10x20 | -40 | 3.0 | 2.3 | -41.6 | 18.40 |
| CLSQ-1515-20N | 15x15 | -20 | 6.0 | 2.1 | -21.5 | 9.20 |
| CLSQ-1515-25N | 15x15 | -25 | 5.0 | 2.2 | -26.5 | 11.50 |
| CLSQ-1515-30N | 15x15 | -30 | 4.0 | 1.8 | -31.2 | 13.80 |
| CLSQ-1515-40N | 15x15 | -40 | 4.0 | 2.4 | -41.6 | 18.40 |
| CLSQ-1525-20N | 15x25 | -20 | 6.0 | 2.1 | -21.5 | 9.20 |
| CLSQ-1525-25N | 15x25 | -25 | 5.0 | 2.2 | -26.5 | 11.50 |
| CLSQ-1525-30N | 15x25 | -30 | 4.0 | 1.8 | -31.2 | 13.80 |
| CLSQ-1525-40N | 15x25 | -40 | 4.0 | 2.4 | -41.6 | 18.40 |
| CLSQ-2020-25N | 20x20 | -25 | 7.0 | 1.2 | -25.8 | 11.50 |
| CLSQ-2020-30N | 20x20 | -30 | 6.0 | 1.7 | -31.2 | 13.80 |
| CLSQ-2020-40N | 20x20 | -40 | 5.0 | 2.0 | -41.4 | 18.40 |
| CLSQ-2020-50N | 20x20 | -50 | 4.0 | 1.7 | -51.2 | 23.00 |
| CLSQ-2020-60N | 20x20 | -60 | 4.0 | 2.1 | -61.5 | 27.60 |
| CLSQ-2020-70N | 20x20 | -70 | 4.0 | 2.4 | -71.6 | 32.20 |
| CLSQ-2020-80N | 20x20 | -80 | 4.0 | 2.6 | -81.8 | 36.80 |
| CLSQ-2020-100N | 20x20 | -100 | 4.0 | 2.9 | -102.0 | 46.00 |
| CLSQ-2020-130N | 20x20 | -130 | 4.0 | 3.2 | -132.2 | 59.80 |
| CLSQ-2020-150N | 20x20 | -150 | 4.0 | 3.3 | -152.2 | 69.00 |
| CLSQ-2020-200N | 20x20 | -200 | 4.0 | 3.5 | -202.4 | 92.00 |
| CLSQ-2020-250N | 20x20 | -250 | 4.0 | 3.6 | -252.4 | 115.00 |
| CLSQ-2020-300N | 20x20 | -300 | 4.0 | 3.6 | -302.5 | 138.00 |
| CLSQ-2040-25N | 20x40 | -25 | 7.0 | 1.2 | -25.8 | 11.50 |
| CLSQ-2040-30N | 20x40 | -30 | 6.0 | 1.7 | -31.2 | 13.80 |
| CLSQ-2040-40N | 20x40 | -40 | 5.0 | 2.0 | -41.4 | 18.40 |
| CLSQ-2040-50N | 20x40 | -50 | 4.0 | 1.7 | -51.2 | 23.00 |
| CLSQ-2040-60N | 20x40 | -60 | 4.0 | 2.1 | -61.5 | 27.60 |
| CLSQ-2040-70N | 20x40 | -70 | 4.0 | 2.4 | -71.6 | 32.20 |
| CLSQ-2040-80N | 20x40 | -80 | 4.0 | 2.6 | -81.8 | 36.80 |
| CLSQ-2050-100N | 20x50 | -100 | 4.0 | 2.9 | -102.0 | 46.00 |
| CLSQ-2050-130N | 20x50 | -130 | 4.0 | 3.2 | -132.2 | 59.80 |
| CLSQ-2050-150N | 20x50 | -150 | 4.0 | 3.3 | -152.2 | 69.00 |
| CLSQ-2050-200N | 20x50 | -200 | 4.0 | 3.5 | -202.4 | 92.00 |
| CLSQ-2050-250N | 20x50 | -250 | 4.0 | 3.6 | -252.4 | 115.00 |
| CLSQ-2050-300N | 20x50 | -300 | 4.0 | 3.6 | -302.5 | 138.00 |
| CLSQ-3030-50N | 30x30 | -50 | 7.0 | 1.4 | -51.0 | 23.00 |
| CLSQ-3030-60N | 30x30 | -60 | 6.0 | 1.6 | -61.1 | 27.60 |
| CLSQ-3030-70N | 30x30 | -70 | 6.0 | 2.3 | -71.6 | 32.20 |
| CLSQ-3030-80N | 30x30 | -80 | 5.0 | 1.8 | -81.2 | 36.80 |
| CLSQ-3030-100N | 30x30 | -100 | 5.0 | 2.5 | -101.7 | 46.00 |
| CLSQ-3030-130N | 30x30 | -130 | 5.0 | 3.1 | -132.1 | 59.80 |
| CLSQ-3030-150N | 30x30 | -150 | 5.0 | 3.3 | -152.3 | 69.00 |
| CLSQ-3030-200N | 30x30 | -200 | 5.0 | 3.8 | -202.6 | 92.00 |
| CLSQ-3030-250N | 30x30 | -250 | 5.0 | 4.0 | -252.8 | 115.00 |
| CLSQ-3030-300N | 30x30 | -300 | 5.0 | 4.2 | -302.9 | 138.00 |
| CLSQ-3040-50N | 30x40 | -50 | 7.0 | 1.4 | -51.0 | 23.00 |
| CLSQ-3040-60N | 30x40 | -60 | 6.0 | 1.6 | -61.1 | 27.60 |
| CLSQ-3040-70N | 30x40 | -70 | 6.0 | 2.3 | -71.6 | 32.20 |
| CLSQ-3040-80N | 30x40 | -80 | 5.0 | 1.8 | -81.2 | 36.80 |
| CLSQ-3050-100N | 30x50 | -100 | 5.0 | 2.5 | -101.7 | 46.00 |
| CLSQ-3050-130N | 30x50 | -130 | 5.0 | 3.1 | -132.1 | 59.80 |
| CLSQ-3050-150N | 30x50 | -150 | 5.0 | 3.3 | -152.3 | 69.00 |
| CLSQ-3050-200N | 30x50 | -200 | 5.0 | 3.8 | -202.6 | 92.00 |
| CLSQ-3050-250N | 30x50 | -250 | 5.0 | 4.0 | -252.8 | 115.00 |
| CLSQ-3050-300N | 30x50 | -300 | 5.0 | 4.2 | -302.9 | 138.00 |

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