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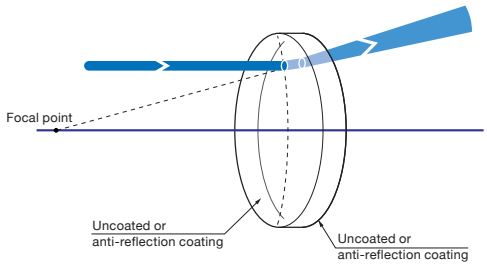
Plano Concave Lenses | SLB-N/SLSQ-N/SLSQK-N

RoHS

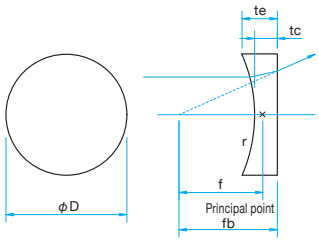
These simple negative lenses have many uses. Alone they form a virtual image of a distant object or collimated light source. Used in combination with other optics they reduce the power of the system. Sharp edges which are common in negative lenses are removed by beveling in order to reduce the likelihood of chipping.

- There are three types of plano concave lenses available; BK7 for use in visible range to infrared wavelength range, synthetic fused silica for wavelengths less than 350nm ultraviolet light, and synthetic fused silica lens for excimer laser wavelenghts such as KrF (248nm) and ArF (193nm).
- 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.
- Our lenses are listed by outside diameter and focal length to assist your selection according to required specifications.

Schematic



Outline Drawing (in mm)



●Tolerance
Diameter $\phi D^{0}_{-0.1}$
Thickness tc±0.15
Focal length ±1%

Specifications

Material	SLB: BK7 SLSQ: Synthetic fused silica SLSQK: Synthetic fused silica for Excimer Laser
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 '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 actual aperture (Uncoated) 85% of actual aperture (BMAR)
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.

Attention

- Plano concave lenses are negative lenses that diverge collimated incident light and are primarily used in conjunction with plano convex lenses to shape beams.
- The plano-concave lens has chromatic aberration, the focal length will vary depending on the wavelength. Please check the "data wavelength characteristic of the focal length" on the WEB of the focal length of each wavelength. WEB Reference Catalog Code W3050
- The plano concave lenses are designed for parallel light to be incident to the concave surface.
- 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.
- Sharpe edges are common in negative lenses are removed by beveling in order to reduce chipping may result in smaller then edge thickness. Thicknesses listed in tables are to theoretical sharp edge.

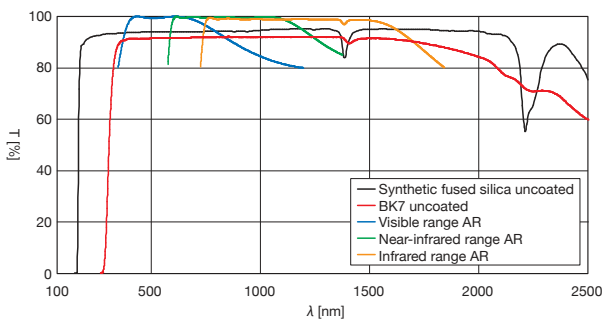
How to specify the anti-reflection coating

In case of specifying a anti-reflection coating 633nm – 1064nm to near infrared lens of SLB-50.8-200N.
⇒ SLB-50.8-200N**IR1**

Type of AR Coat	Part Number	Wavelength Range [nm]	Transmittance [%]
Visible range	**SLB-50.8-200NM**	400 – 700	> Average 99
Near-infrared	**SLB-50.8-200NIR1**	633 – 1064	> Average 98.5
Infrared	**SLB-50.8-200NIR2**	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 SLB-50.8-200N.
! Anti-reflection coating can be available to the lens of all of SLB.

Typical Transmittance Data T: Transmission



BK7 ϕ10 – ϕ25

Uncoated	How to specify the anti-reflection coating			Diameter ϕD [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [′]
Part Number	Visibe 400 – 700nm	Near-infrared 633 – 1064nm	Infrared 750 – 1550nm							
SLB-10-15N	M	IR1	IR2	ϕ10	–15	3.8	2.0	–16.3	7.79	<1
SLB-10-20N	M	IR1	IR2	ϕ10	–20	3.3	2.0	–21.3	10.38	<1
SLB-10-25N	M	IR1	IR2	ϕ10	–25	3.0	2.0	–26.3	12.98	<1
SLB-10-30N	M	IR1	IR2	ϕ10	–30	2.8	2.0	–31.3	15.57	<1
SLB-10-40N	M	IR1	IR2	ϕ10	–40	2.6	2.0	–41.3	20.76	<1
SLB-10-50N	M	IR1	IR2	ϕ10	–50	2.5	2.0	–51.3	25.95	<1
SLB-10-60N	M	IR1	IR2	ϕ10	–60	2.4	2.0	–61.3	31.14	<1
SLB-10-70N	M	IR1	IR2	ϕ10	–70	2.3	2.0	–71.3	36.33	<1
SLB-10-80N	M	IR1	IR2	ϕ10	–80	2.3	2.0	–81.3	41.52	<1
SLB-10-90N	M	IR1	IR2	ϕ10	–90	2.3	2.0	–91.3	46.71	<1
SLB-10-100N	M	IR1	IR2	ϕ10	–100	2.2	2.0	–101.3	51.90	<1
SLB-12.7-15N	M	IR1	IR2	ϕ12.7	–15	5.3	2.0	–16.3	7.79	<1
SLB-12.7-20N	M	IR1	IR2	ϕ12.7	–20	4.2	2.0	–21.3	10.38	<1
SLB-12.7-25N	M	IR1	IR2	ϕ12.7	–25	3.7	2.0	–26.3	12.98	<1
SLB-12.7-30N	M	IR1	IR2	ϕ12.7	–30	3.4	2.0	–31.3	15.57	<1
SLB-15-20N	M	IR1	IR2	ϕ15	–20	5.2	2.0	–21.3	10.38	<1
SLB-15-25N	M	IR1	IR2	ϕ15	–25	4.4	2.0	–26.3	12.98	<1
SLB-15-30N	M	IR1	IR2	ϕ15	–30	3.9	2.0	–31.3	15.57	<1
SLB-15-40N	M	IR1	IR2	ϕ15	–40	3.4	2.0	–41.3	20.76	<1
SLB-15-50N	M	IR1	IR2	ϕ15	–50	3.1	2.0	–51.3	25.95	<1
SLB-15-60N	M	IR1	IR2	ϕ15	–60	2.9	2.0	–61.3	31.14	<1
SLB-15-70N	M	IR1	IR2	ϕ15	–70	2.8	2.0	–71.3	36.33	<1
SLB-15-80N	M	IR1	IR2	ϕ15	–80	2.7	2.0	–81.3	41.52	<1
SLB-15-100N	M	IR1	IR2	ϕ15	–100	2.5	2.0	–101.3	51.90	<1
SLB-20-25N	M	IR1	IR2	ϕ20	–25	6.7	2.0	–26.3	12.98	<1
SLB-20-30N	M	IR1	IR2	ϕ20	–30	5.6	2.0	–31.3	15.57	<1
SLB-20-40N	M	IR1	IR2	ϕ20	–40	4.6	2.0	–41.3	20.76	<1
SLB-20-50N	M	IR1	IR2	ϕ20	–50	4.0	2.0	–51.3	25.95	<1
SLB-20-60N	M	IR1	IR2	ϕ20	–60	3.6	2.0	–61.3	31.14	<1
SLB-20-70N	M	IR1	IR2	ϕ20	–70	3.4	2.0	–71.3	36.33	<1
SLB-20-80N	M	IR1	IR2	ϕ20	–80	3.2	2.0	–81.3	41.52	<1
SLB-20-90N	M	IR1	IR2	ϕ20	–90	3.1	2.0	–91.3	46.71	<1
SLB-20-100N	M	IR1	IR2	ϕ20	–100	3.0	2.0	–101.3	51.90	<1
SLB-20-120N	M	IR1	IR2	ϕ20	–120	2.8	2.0	–121.3	62.28	<1
SLB-20-150N	M	IR1	IR2	ϕ20	–150	2.6	2.0	–151.3	77.85	<1
SLB-25-30N	M	IR1	IR2	ϕ25	–30	8.3	2.0	–31.3	15.57	<1
SLB-25-35N	M	IR1	IR2	ϕ25	–35	7.0	2.0	–36.3	18.17	<1
SLB-25-40N	M	IR1	IR2	ϕ25	–40	6.2	2.0	–41.3	20.76	<1
SLB-25-50N	M	IR1	IR2	ϕ25	–50	5.2	2.0	–51.3	25.95	<1
SLB-25-60N	M	IR1	IR2	ϕ25	–60	4.6	2.0	–61.3	31.14	<1
SLB-25-70N	M	IR1	IR2	ϕ25	–70	4.2	2.0	–71.3	36.33	<1
SLB-25-80N	M	IR1	IR2	ϕ25	–80	3.9	2.0	–81.3	41.52	<1
SLB-25-90N	M	IR1	IR2	ϕ25	–90	3.7	2.0	–91.3	46.71	<1
SLB-25-100N	M	IR1	IR2	ϕ25	–100	3.5	2.0	–101.3	51.90	<1
SLB-25-120N	M	IR1	IR2	ϕ25	–120	3.3	2.0	–121.3	62.28	<1
SLB-25-150N	M	IR1	IR2	ϕ25	–150	3.0	2.0	–151.3	77.85	<1
SLB-25-170N	M	IR1	IR2	ϕ25	–170	3.0	2.0	–171.3	88.23	<1
SLB-25-200N	M	IR1	IR2	ϕ25	–200	2.8	2.0	–201.3	103.80	<1

Compatible Optic Mounts

LHF-10S, -12.7S, -15S, -20S, -25S, -25.4S / MLH-10, -15

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Plano Concave Lenses | SLB-N/SLSQ-N/SLSQK-N

Catalog Code W3051

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BK7 ϕ25.4 – ϕ50.8

Uncoated	How to specify the anti-reflection coating			Diameter ϕD [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [′]
Part Number	Visibe 400 – 700nm	Near-infrared 633 – 1064nm	Infrared 750 – 1550nm							
SLB-25.4-30N	M	IR1	IR2	ϕ25.4	–30	8.6	2.0	–31.3	15.57	<1
SLB-25.4-40N	M	IR1	IR2	ϕ25.4	–40	6.3	2.0	–41.3	20.76	<1
SLB-25.4-50N	M	IR1	IR2	ϕ25.4	–50	5.3	2.0	–51.3	25.95	<1
SLB-25.4-60N	M	IR1	IR2	ϕ25.4	–60	4.7	2.0	–61.3	31.14	<1
SLB-25.4-70N	M	IR1	IR2	ϕ25.4	–70	4.3	2.0	–71.3	36.33	<1
SLB-25.4-80N	M	IR1	IR2	ϕ25.4	–80	4.0	2.0	–81.3	41.52	<1
SLB-25.4-90N	M	IR1	IR2	ϕ25.4	–90	3.8	2.0	–91.3	46.71	<1
SLB-25.4-100N	M	IR1	IR2	ϕ25.4	–100	3.6	2.0	–101.3	51.90	<1
SLB-25.4-150N	M	IR1	IR2	ϕ25.4	–150	3.0	2.0	–151.3	77.85	<1
SLB-25.4-200N	M	IR1	IR2	ϕ25.4	–200	2.8	2.0	–201.3	103.80	<1
SLB-30-35N	M	IR1	IR2	ϕ30	–35	9.9	2.0	–36.3	18.17	<1
SLB-30-40N	M	IR1	IR2	ϕ30	–40	8.4	2.0	–41.3	20.76	<1
SLB-30-50N	M	IR1	IR2	ϕ30	–50	6.8	2.0	–51.3	25.95	<1
SLB-30-60N	M	IR1	IR2	ϕ30	–60	5.9	2.0	–61.3	31.14	<1
SLB-30-70N	M	IR1	IR2	ϕ30	–70	5.2	2.0	–71.3	36.33	<1
SLB-30-80N	M	IR1	IR2	ϕ30	–80	4.8	2.0	–81.3	41.52	<1
SLB-30-90N	M	IR1	IR2	ϕ30	–90	4.5	2.0	–91.3	46.71	<1
SLB-30-100N	M	IR1	IR2	ϕ30	–100	4.2	2.0	–101.3	51.90	<1
SLB-30-120N	M	IR1	IR2	ϕ30	–120	3.8	2.0	–121.3	62.28	<1
SLB-30-150N	M	IR1	IR2	ϕ30	–150	3.5	2.0	–151.3	77.85	<1
SLB-30-170N	M	IR1	IR2	ϕ30	–170	3.3	2.0	–171.3	88.23	<1
SLB-30-200N	M	IR1	IR2	ϕ30	–200	3.1	2.0	–201.3	103.80	<1
SLB-30-220N	M	IR1	IR2	ϕ30	–220	3.0	2.0	–221.3	114.18	<1
SLB-30-250N	M	IR1	IR2	ϕ30	–250	2.9	2.0	–251.3	129.75	<1
SLB-40-50N	M	IR1	IR2	ϕ40	–50	11.4	2.0	–51.3	25.95	<1
SLB-40-60N	M	IR1	IR2	ϕ40	–60	9.3	2.0	–61.3	31.14	<1
SLB-40-70N	M	IR1	IR2	ϕ40	–70	8.0	2.0	–71.3	36.33	<1
SLB-40-80N	M	IR1	IR2	ϕ40	–80	7.1	2.0	–81.3	41.52	<1
SLB-40-100N	M	IR1	IR2	ϕ40	–100	6.0	2.0	–101.3	51.90	<1
SLB-50-70N	M	IR1	IR2	ϕ50	–70	13.0	3.0	–72.0	36.33	<1
SLB-50-80N	M	IR1	IR2	ϕ50	–80	11.4	3.0	–82.0	41.52	<1
SLB-50-90N	M	IR1	IR2	ϕ50	–90	10.3	3.0	–92.0	46.71	<1
SLB-50-100N	M	IR1	IR2	ϕ50	–100	9.4	3.0	–102.0	51.90	<1
SLB-50-120N	M	IR1	IR2	ϕ50	–120	8.2	3.0	–122.0	62.28	<1
SLB-50-150N	M	IR1	IR2	ϕ50	–150	7.1	3.0	–152.0	77.85	<1
SLB-50-170N	M	IR1	IR2	ϕ50	–170	6.6	3.0	–172.0	88.23	<1
SLB-50-200N	M	IR1	IR2	ϕ50	–200	6.1	3.0	–202.0	103.80	<1
SLB-50-220N	M	IR1	IR2	ϕ50	–220	5.8	3.0	–222.0	114.18	<1
SLB-50-250N	M	IR1	IR2	ϕ50	–250	5.4	3.0	–252.0	129.75	<1
SLB-50-300N	M	IR1	IR2	ϕ50	–300	5.0	3.0	–302.0	155.70	<1
SLB-50.8-70N	M	IR1	IR2	ϕ50.8	–70	13.4	3.0	–72.0	36.33	<1
SLB-50.8-80N	M	IR1	IR2	ϕ50.8	–80	11.7	3.0	–82.0	41.52	<1
SLB-50.8-90N	M	IR1	IR2	ϕ50.8	–90	10.5	3.0	–92.0	46.71	<1
SLB-50.8-100N	M	IR1	IR2	ϕ50.8	–100	9.6	3.0	–102.0	51.90	<1
SLB-50.8-150N	M	IR1	IR2	ϕ50.8	–150	7.3	3.0	–152.0	77.85	<1
SLB-50.8-200N	M	IR1	IR2	ϕ50.8	–200	6.2	3.0	–202.0	103.80	<1
SLB-50.8-250N	M	IR1	IR2	ϕ50.8	–250	5.5	3.0	–252.0	129.75	<1
SLB-50.8-300N	M	IR1	IR2	ϕ50.8	–300	5.1	3.0	–302.0	155.70	<1

Compatible Optic Mounts

LHF-30S, -40S, -50S, -50.8S

Synthetic fused silica ϕ10 – ϕ25.4

Part Number	Diameter ϕD [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [′]
SLSQ-10-15N	ϕ10	–15	4.1	2.0	–16.4	6.90	<1
SLSQ-10-20N	ϕ10	–20	3.5	2.0	–21.4	9.20	<1
SLSQ-10-25N	ϕ10	–25	3.1	2.0	–26.4	11.50	<1
SLSQ-10-30N	ϕ10	–30	2.9	2.0	–31.4	13.80	<1
SLSQ-10-40N	ϕ10	–40	2.7	2.0	–41.4	18.40	<1
SLSQ-10-50N	ϕ10	–50	2.6	2.0	–51.4	23.00	<1
SLSQ-10-60N	ϕ10	–60	2.5	2.0	–61.4	27.60	<1
SLSQ-10-70N	ϕ10	–70	2.4	2.0	–71.4	32.20	<1
SLSQ-10-80N	ϕ10	–80	2.3	2.0	–81.4	36.80	<1
SLSQ-10-90N	ϕ10	–90	2.3	2.0	–91.4	41.40	<1
SLSQ-10-100N	ϕ10	–100	2.3	2.0	–101.4	46.00	<1
SLSQ-12.7-20N	ϕ12.7	–20	4.5	2.0	–21.4	9.20	<1
SLSQ-12.7-25N	ϕ12.7	–25	3.9	2.0	–26.4	11.50	<1
SLSQ-12.7-30N	ϕ12.7	–30	3.5	2.0	–31.4	13.80	<1
SLSQ-12.7-40N	ϕ12.7	–40	3.1	2.0	–41.4	18.40	<1
SLSQ-15-20N	ϕ15	–20	5.9	2.0	–21.4	9.20	<1
SLSQ-15-25N	ϕ15	–25	4.8	2.0	–26.4	11.50	<1
SLSQ-15-30N	ϕ15	–30	4.2	2.0	–31.4	13.80	<1
SLSQ-15-40N	ϕ15	–40	3.6	2.0	–41.4	18.40	<1
SLSQ-15-50N	ϕ15	–50	3.3	2.0	–51.4	23.00	<1
SLSQ-15-60N	ϕ15	–60	3.0	2.0	–61.4	27.60	<1
SLSQ-15-70N	ϕ15	–70	2.9	2.0	–71.4	32.20	<1
SLSQ-15-80N	ϕ15	–80	2.8	2.0	–81.4	36.80	<1
SLSQ-15-90N	ϕ15	–90	2.7	2.0	–91.4	41.40	<1
SLSQ-15-100N	ϕ15	–100	2.6	2.0	–101.4	46.00	<1
SLSQ-20-25N	ϕ20	–25	7.8	2.0	–26.4	11.50	<1
SLSQ-20-30N	ϕ20	–30	6.3	2.0	–31.4	13.80	<1
SLSQ-20-40N	ϕ20	–40	5.0	2.0	–41.4	18.40	<1
SLSQ-20-50N	ϕ20	–50	4.3	2.0	–51.4	23.00	<1
SLSQ-20-60N	ϕ20	–60	3.9	2.0	–61.4	27.60	<1
SLSQ-20-70N	ϕ20	–70	3.6	2.0	–71.4	32.20	<1
SLSQ-20-80N	ϕ20	–80	3.4	2.0	–81.4	36.80	<1
SLSQ-20-90N	ϕ20	–90	3.2	2.0	–91.4	41.40	<1
SLSQ-20-100N	ϕ20	–100	3.1	2.0	–101.4	46.00	<1
SLSQ-20-120N	ϕ20	–120	2.9	2.0	–121.4	55.20	<1
SLSQ-20-150N	ϕ20	–150	2.7	2.0	–151.4	69.00	<1
SLSQ-25-30N	ϕ25	–30	10.0	2.0	–31.4	13.80	<1
SLSQ-25-35N	ϕ25	–35	8.0	2.0	–36.4	16.10	<1
SLSQ-25-40N	ϕ25	–40	6.9	2.0	–41.4	18.40	<1
SLSQ-25-50N	ϕ25	–50	5.7	2.0	–51.4	23.00	<1
SLSQ-25-60N	ϕ25	–60	5.0	2.0	–61.4	27.60	<1
SLSQ-25-70N	ϕ25	–70	4.5	2.0	–71.4	32.20	<1
SLSQ-25-80N	ϕ25	–80	4.2	2.0	–81.4	36.80	<1
SLSQ-25-90N	ϕ25	–90	3.9	2.0	–91.4	41.40	<1
SLSQ-25-100N	ϕ25	–100	3.7	2.0	–101.4	46.00	<1
SLSQ-25-120N	ϕ25	–120	3.4	2.0	–121.4	55.20	<1
SLSQ-25-150N	ϕ25	–150	3.1	2.0	–151.4	69.00	<1
SLSQ-25-170N	ϕ25	–170	3.0	2.0	–171.4	78.20	<1
SLSQ-25-200N	ϕ25	–200	2.9	2.0	–201.4	92.00	<1
SLSQ-25.4-30N	ϕ25.4	–30	10.4	2.0	–31.4	13.80	<1
SLSQ-25.4-35N	ϕ25.4	–35	8.2	2.0	–36.4	16.1	<1
SLSQ-25.4-40N	ϕ25.4	–40	7.1	2.0	–41.4	18.40	<1
SLSQ-25.4-50N	ϕ25.4	–50	5.8	2.0	–51.4	23.00	<1
SLSQ-25.4-60N	ϕ25.4	–60	5.1	2.0	–61.4	27.60	<1
SLSQ-25.4-70N	ϕ25.4	–70	4.6	2.0	–71.4	32.20	<1
SLSQ-25.4-80N	ϕ25.4	–80	4.3	2.0	–81.4	36.80	<1
SLSQ-25.4-90N	ϕ25.4	–90	4.0	2.0	–91.4	41.40	<1
SLSQ-25.4-100N	ϕ25.4	–100	3.8	2.0	–101.4	46.00	<1
SLSQ-25.4-150N	ϕ25.4	–150	3.2	2.0	–151.4	69.00	<1
SLSQ-25.4-200N	ϕ25.4	–200	2.9	2.0	–201.4	92.00	<1

Compatible Optic Mounts

LHF-10S, -12.7S, -15S, -20S, -25S, -25.4S, -30S / MLH-10, -15

Plano Concave Lenses | SLB-N/SLSQ-N/SLSQK-N

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Synthetic fused silica ϕ30 – ϕ50.8

Part Number	Diameter ϕD [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [′]
SLSQ-30-35N	ϕ30	−35	12.3	2.0	−36.4	16.10	<1
SLSQ-30-40N	ϕ30	−40	9.7	2.0	−41.4	18.40	<1
SLSQ-30-50N	ϕ30	−50	7.6	2.0	−51.4	23.00	<1
SLSQ-30-60N	ϕ30	−60	6.4	2.0	−61.4	27.60	<1
SLSQ-30-70N	ϕ30	−70	5.7	2.0	−71.4	32.20	<1
SLSQ-30-80N	ϕ30	−80	5.2	2.0	−81.4	36.80	<1
SLSQ-30-90N	ϕ30	−90	4.8	2.0	−91.4	41.40	<1
SLSQ-30-100N	ϕ30	−100	4.5	2.0	−101.4	46.00	<1
SLSQ-30-120N	ϕ30	−120	4.1	2.0	−121.4	55.20	<1
SLSQ-30-150N	ϕ30	−150	3.7	2.0	−151.4	69.00	<1
SLSQ-30-170N	ϕ30	−170	3.5	2.0	−171.4	78.20	<1
SLSQ-30-200N	ϕ30	−200	3.2	2.0	−201.4	92.00	<1
SLSQ-30-220N	ϕ30	−220	3.1	2.0	−221.4	101.20	<1
SLSQ-30-250N	ϕ30	−250	3.0	2.0	−251.4	115.00	<1
SLSQ-40-50N	ϕ40	−50	13.6	2.0	−51.4	23.00	<1
SLSQ-40-60N	ϕ40	−60	10.6	2.0	−61.4	27.60	<1
SLSQ-40-70N	ϕ40	−70	9.0	2.0	−71.4	32.20	<1
SLSQ-40-100N	ϕ40	−100	6.6	2.0	−101.4	46.00	<1
SLSQ-40-120N	ϕ40	−120	5.8	2.0	−121.4	55.20	<1
SLSQ-40-150N	ϕ40	−150	5.0	2.0	−151.4	69.00	<1
SLSQ-40-200N	ϕ40	−200	4.2	2.0	−201.4	92.00	<1
SLSQ-40-250N	ϕ40	−250	3.8	2.0	−251.4	115.00	<1
SLSQ-50-70N	ϕ50	−70	14.9	3.0	−72.1	32.20	<1
SLSQ-50-80N	ϕ50	−80	12.8	3.0	−82.1	36.80	<1
SLSQ-50-90N	ϕ50	−90	11.4	3.0	−92.1	41.40	<1
SLSQ-50-100N	ϕ50	−100	10.4	3.0	−102.1	46.00	<1
SLSQ-50-120N	ϕ50	−120	9.0	3.0	−122.1	55.20	<1
SLSQ-50-150N	ϕ50	−150	7.7	3.0	−152.1	69.00	<1
SLSQ-50-170N	ϕ50	−170	7.1	3.0	−172.1	78.20	<1
SLSQ-50-200N	ϕ50	−200	6.5	3.0	−202.1	92.00	<1
SLSQ-50-220N	ϕ50	−220	6.1	3.0	−222.1	101.20	<1
SLSQ-50-250N	ϕ50	−250	5.8	3.0	−252.1	115.00	<1
SLSQ-50-300N	ϕ50	−300	5.3	3.0	−302.1	138.00	<1
SLSQ-50.8-70N	ϕ50.8	−70	15.4	3.0	−72.1	32.20	<1
SLSQ-50.8-80N	ϕ50.8	−80	13.2	3.0	−82.1	36.80	<1
SLSQ-50.8-90N	ϕ50.8	−90	11.7	3.0	−92.1	41.40	<1
SLSQ-50.8-100N	ϕ50.8	−100	10.6	3.0	−102.1	46.00	<1
SLSQ-50.8-150N	ϕ50.8	−150	7.8	3.0	−152.1	69.00	<1
SLSQ-50.8-200N	ϕ50.8	−200	6.6	3.0	−202.1	92.00	<1
SLSQ-50.8-250N	ϕ50.8	−250	5.8	3.0	−252.1	115.00	<1
SLSQ-50.8-300N	ϕ50.8	−300	5.4	3.0	−302.1	138.00	<1

Catalog Code W3054

Synthetic fused silica for Excimer Laser ϕ30, ϕ50

Part Number	Diameter D [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [′]
SLSQK-30-50N	ϕ30	−50	7.6	2.0	−51.4	23.00	<1
SLSQK-30-60N	ϕ30	−60	6.4	2.0	−61.4	27.60	<1
SLSQK-30-70N	ϕ30	−70	5.7	2.0	−71.4	32.20	<1
SLSQK-30-100N	ϕ30	−100	4.5	2.0	−101.4	46.00	<1
SLSQK-30-150N	ϕ30	−150	3.7	2.0	−151.4	69.00	<1
SLSQK-50-70N	ϕ50	−70	14.9	3.0	−72.1	32.20	<1
SLSQK-50-80N	ϕ50	−80	12.8	3.0	−82.1	36.80	<1
SLSQK-50-100N	ϕ50	−100	10.4	3.0	−102.1	46.00	<1
SLSQK-50-150N	ϕ50	−150	7.7	3.0	−152.1	69.00	<1
SLSQK-50-200N	ϕ50	−200	6.5	3.0	−202.1	92.00	<1

Compatible Optic Mounts

LHF-30S, -40S, -50S, -50.8S