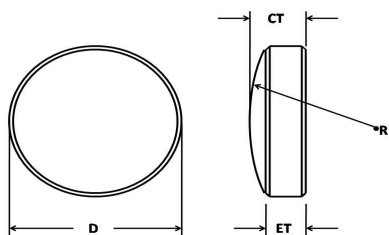


Spherical UV Plano-Convex Lenses

Product Code: PLCX-UV



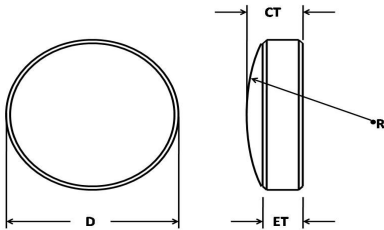
Substrate Materials: UV Fused Silica
 Diameter Tolerance: +0.000 /-0.005" [+0.000/-0.127mm]
 Thickness tolerance: +/-0.010" [+/-0.25mm]
 Focal length tolerance: +/-0.5%
 Concentricity: < 3 arc minutes
 Surface Quality: 10-5
 Surface Figure: $\lambda/10$ @ 633nm over clear aperture
 Chamfer: 0.38mm @ 45° typical
 Clear Aperture: \geq central 85% of diameter

- Customer specified antireflection coatings are available.
- Non-standard lenses are also available, but require a quotation for price and delivery. Please contact OptiSource, LLC Technical Sales for all of your non-standard requirements.
- **Design wavelength for UV lenses is 248nm.**

Part Number	Diameter (mm)	Radius (mm)	248nm f (mm)	532nm f (mm)	1064nm f (mm)	ET (mm)
PLCX-12.7-100-UV	12.7	50.85	100	110.4	113.1	2.0
PLCX-12.7-200-UV	12.7	101.71	200	220.8	226.2	2.0
PLCX-12.7-500-UV	12.7	254.27	500	551.9	565.5	2.0
PLCX-25.4-100-UV	25.4	50.85	100	110.4	113.1	2.0
PLCX-25.4-150-UV	25.4	76.28	150	165.6	169.6	2.0
PLCX-25.4-200-UV	25.4	101.71	200	220.8	226.2	2.0
PLCX-25.4-300-UV	25.4	152.56	300	331.1	339.3	2.0
PLCX-25.4-500-UV	25.4	254.27	500	551.9	565.5	2.0
PLCX-25.4-1000-UV	25.4	508.53	1000	1103.8	1130.9	2.0
PLCX-25.4-1500-UV	25.4	762.80	1500	1655.7	1696.4	2.0
PLCX-38.1-500-UV	38.1	254.27	500	551.9	565.5	2.0
PLCX-38.1-1000-UV	38.1	508.53	1000	1103.8	1130.9	2.0
PLCX-38.1-1500-UV	38.1	762.80	1500	1655.7	1696.4	2.0
PLCX-50.8-200-UV	50.8	101.71	200	220.8	226.2	3.0
PLCX-50.8-300-UV	50.8	152.56	300	331.1	339.3	5.0
PLCX-50.8-500-UV	50.8	254.27	500	551.9	565.5	6.0
PLCX-50.8-1000-UV	50.8	508.53	1000	1103.8	1130.9	6.0
PLCX-50.8-1500-UV	50.8	762.80	1500	1655.7	1696.4	6.0

Spherical BK-7 Plano-Convex Lenses

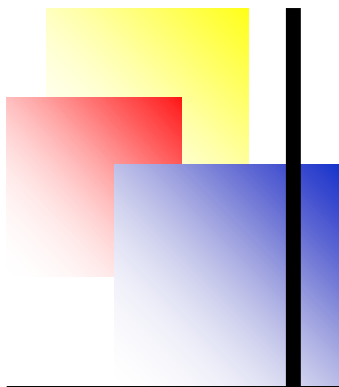
Product Code: PLCX-BK



Substrate Materials: BK-7
 Diameter Tolerance: +0.000 /-0.005" [+0.000/-0.127mm]
 Thickness tolerance: +/-0.010" [+/-0.25mm]
 Focal length tolerance: +/-0.5%
 Concentricity: < 3 arc minutes
 Surface Quality: 10-5
 Surface Figure: $\lambda/10$ @ 633nm over clear aperture
 Chamfer: 0.38mm @ 45° typical
 Clear Aperture: \geq central 85% of diameter

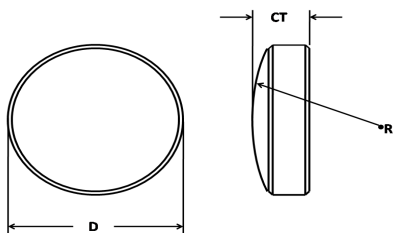
- Customer specified antireflection coatings are available.
- Non-standard lenses are also available, but require a quotation for price and delivery. Please contact OptiSource, LLC Technical Sales for all of your non-standard requirements.
- **Design wavelength for BK-7 lenses is 532nm.**

Part Number	Diameter (mm)	Radius (mm)	532nm f (mm)	1064nm f (mm)	ET (mm)
PLCX-12.7-100-BK	12.7	51.95	100	102.5	2.0
PLCX-12.7-200-BK	12.7	103.89	200	205.1	2.0
PLCX-12.7-500-BK	12.7	259.73	500	512.7	2.0
PLCX-25.4-100-BK	25.4	51.95	100	102.5	2.0
PLCX-25.4-150-BK	25.4	77.92	150	153.8	2.0
PLCX-25.4-200-BK	25.4	103.89	200	205.1	2.0
PLCX-25.4-300-BK	25.4	155.84	300	307.6	2.0
PLCX-25.4-500-BK	25.4	259.73	500	512.7	2.0
PLCX-25.4-1000-BK	25.4	519.47	1000	1025.3	2.0
PLCX-25.4-1500-BK	25.4	779.20	1500	1538.0	2.0
PLCX-38.1-500-BK	38.1	259.73	500	512.7	2.0
PLCX-38.1-1000-BK	38.1	519.47	1000	1025.3	2.0
PLCX-38.1-1500-BK	38.1	779.20	1500	1538.0	2.0
PLCX-50.8-200-BK	50.8	103.89	200	205.1	2.0
PLCX-50.8-300-BK	50.8	155.84	300	307.6	2.0
PLCX-50.8-500-BK	50.8	259.73	500	512.7	2.0
PLCX-50.8-1000-BK	50.8	519.47	1000	1025.3	2.0
PLCX-50.8-1500-BK	50.8	779.20	1500	1538.0	2.0



Spherical Plano-Convex Mirror Blanks

Product Code: SMCX



Substrate Materials: UV Fused Silica, BK-7
 Diameter Tolerance: +0.000 /-0.005" [+0.000/-0.127mm]
 Thickness tolerance: +/-0.010" [+/-0.25mm]
 Radius tolerance: +/-0.5%
 Concentricity: < 3 arc minutes
 Surface Quality: 10-5
 Surface Figure: $\lambda/10$ @ 633nm over clear aperture
 Chamfer: 0.38mm @ 45° typical
 Clear Aperture: \geq central 85% of diameter

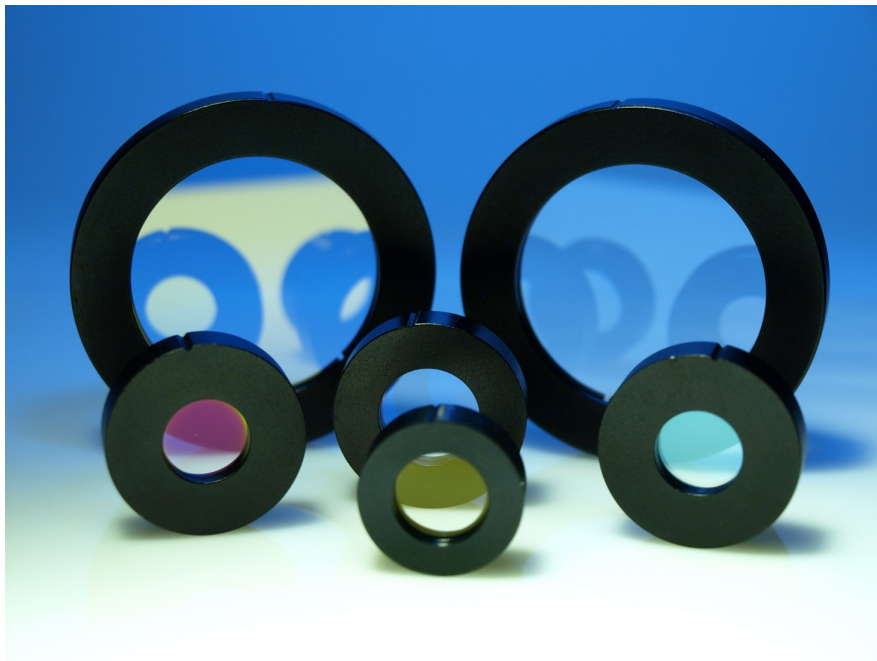
- Customer specified coatings are available.
- Mirrors are also available in 6.35mm thick (1025).
- Non-standard mirror blanks are also available, but require a quotation for price and delivery. Please contact OptiSource, LLC Technical Sales for all of your non-standard requirements.

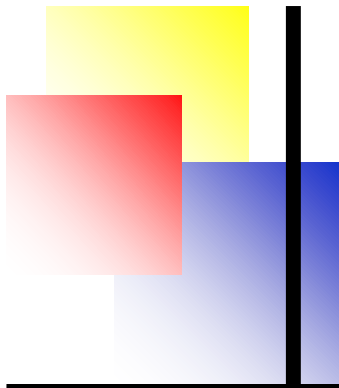
Part Number	Diameter (mm)	CT (mm)	Radius (mm)	Substrate Material
SMCX-1037-50-XX	25.4	9.525	50	UV, BK-7
SMCX-1037-100-XX	25.4	9.525	100	UV, BK-7
SMCX-1037-150-XX	25.4	9.525	150	UV, BK-7
SMCX-1037-200-XX	25.4	9.525	200	UV, BK-7
SMCX-1037-300-XX	25.4	9.525	300	UV, BK-7
SMCX-1037-500-XX	25.4	9.525	500	UV, BK-7
SMCX-1037-750-XX	25.4	9.525	750	UV, BK-7
SMCX-1037-1000-XX	25.4	9.525	1000	UV, BK-7
SMCX-1037-2000-XX	25.4	9.525	2000	UV, BK-7
SMCX-1037-3000-XX	25.4	9.525	3000	UV, BK-7
SMCX-1037-5000-XX	25.4	9.525	5000	UV, BK-7
SMCX-1037-7500-XX	25.4	9.525	7500	UV, BK-7
SMCX-1037-10000-XX	25.4	9.525	10000	UV, BK-7
SMCX-1037-20000-XX	25.4	9.525	20000	UV, BK-7
SMCX-2037-300-XX	50.8	9.525	300	UV, BK-7
SMCX-2037-500-XX	50.8	9.525	500	UV, BK-7
SMCX-2037-750-XX	50.8	9.525	750	UV, BK-7

Spherical Plano-Convex Mirror Blanks

Product Code: SMCX

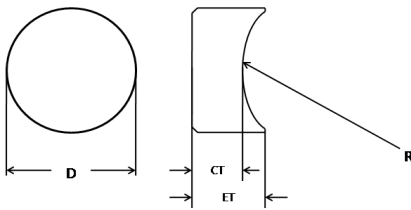
Part Number	Diameter (mm)	CT (mm)	Radius (mm)	Substrate Material
SMCX-2037-1000-XX	50.8	9.525	1000	UV, BK-7
SMCX-2037-2000-XX	50.8	9.525	2000	UV, BK-7
SMCX-2037-3000-XX	50.8	9.525	3000	UV, BK-7
SMCX-2037-5000-XX	50.8	9.525	5000	UV, BK-7
SMCX-2037-7500-XX	50.8	9.525	7500	UV, BK-7
SMCX-2037-10000-XX	50.8	9.525	10000	UV, BK-7
SMCX-2037-20000-XX	50.8	9.525	20000	UV, BK-7





Spherical UV Plano-Concave Lenses

Product Code: PLCC-UV



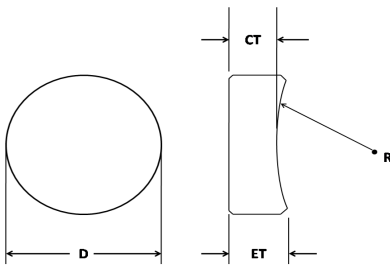
Substrate Materials: UV Fused Silica
 Diameter Tolerance: +0.000 /-0.005" [+0.000/-0.127mm]
 Thickness tolerance: +/-0.010" [+/-0.25mm]
 Focal length tolerance: +/-0.5%
 Concentricity: < 3 arc minutes
 Surface Quality : 10-5
 Surface Figure: $\lambda/10$ @ 633nm over clear aperture
 Chamfer: 0.38mm @ 45° typical
 Clear Aperture: \geq central 85% of diameter

- Customer specified antireflection coatings are available.
- If you are unable to find the lens you desire, please call OptiSource Technical Sales regarding a quotation for your prototype or OEM requirement.
- **Design wavelength for UV lenses is 248nm.**

Part Number	Diameter (mm)	Radius (mm)	248nm f (mm)	532nm f (mm)	1064nm f (mm)	CT (mm)
PLCC-12.7-100-UV	12.7	50.85	-100	-110.4	-113.1	2.0
PLCC-12.7-200-UV	12.7	101.71	-200	-220.8	-226.2	2.0
PLCC-12.7-500-UV	12.7	254.27	-500	-551.9	-565.5	2.0
PLCC-25.4-100-UV	25.4	50.85	-100	-110.4	-113.1	2.0
PLCC-25.4-200-UV	25.4	101.71	-200	-220.8	-226.2	2.0
PLCC-25.4-300-UV	25.4	152.56	-300	-331.1	-339.3	2.0
PLCC-25.4-500-UV	25.4	254.27	-500	-551.9	-565.5	3.0
PLCC-25.4-1000-UV	25.4	508.53	-1000	-1103.8	-1130.9	3.0
PLCC-25.4-1500-UV	25.4	762.80	-1500	-1655.7	-1696.4	4.0
PLCC-38.1-500-UV	38.1	254.27	-500	-551.9	-565.5	3.0
PLCC-38.1-1000-UV	38.1	508.53	-1000	-1103.8	-1130.9	4.0
PLCC-38.1-1500-UV	38.1	762.80	-1500	-1655.7	-1696.4	4.0
PLCC-50.8-200-UV	50.8	101.71	-200	-220.8	-226.2	3.0
PLCC-50.8-300-UV	50.8	152.56	-300	-331.1	-339.3	3.0
PLCC-50.8-500-UV	50.8	254.27	-500	-551.9	-565.5	5.0
PLCC-50.8-1000-UV	50.8	508.53	-1000	-1103.8	-1130.9	5.0
PLCC-50.8-1500-UV	50.8	762.80	-1500	-1655.7	-1696.4	5.0

Spherical BK-7 Plano-Concave Lenses

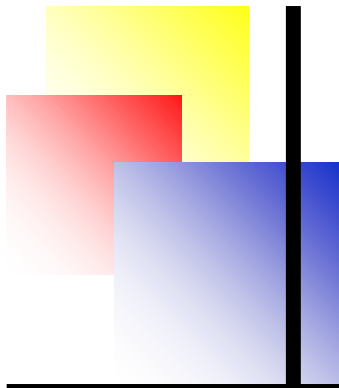
Product Code: PLCC-BK



Substrate Materials: BK-7
 Diameter Tolerance: $+0.000 / -0.005$ " [$+0.000 / -0.127$ mm]
 Thickness tolerance: ± 0.010 " [± 0.25 mm]
 Focal length tolerance: $\pm 0.5\%$
 Concentricity: < 3 arc minutes
 Surface Quality: 10-5
 Surface Figure: $\lambda/10$ @ 633nm over clear aperture
 Chamfer: 0.38mm @ 45° typical
 Clear Aperture: \geq central 85% of diameter

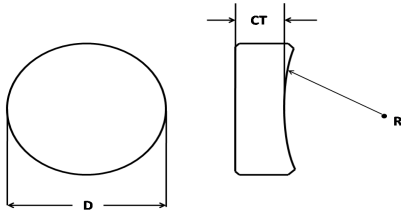
- Customer specified antireflection coatings are available.
- If you are unable to find the lens you desire, please call OptiSource Technical Sales regarding a quotation for your prototype or OEM requirement.
- **Design wavelength for BK-7 lenses is 532nm.**

Part Number	Diameter (mm)	Radius (mm)	532nm f (mm)	1064nm f (mm)	CT (mm)
PLCC-12.7-100-BK	12.7	51.95	-100	-102.5	2.0
PLCC-12.7-200-BK	12.7	103.89	-200	-205.1	2.0
PLCC-12.7-500-BK	12.7	259.73	-500	-512.7	2.0
PLCC-25.4-100-BK	25.4	51.95	-100	-102.5	2.0
PLCC-25.4-200-BK	25.4	103.89	-200	-205.1	2.0
PLCC-25.4-300-BK	25.4	155.84	-300	-307.6	2.0
PLCC-25.4-500-BK	25.4	259.73	-500	-512.7	3.0
PLCC-25.4-1000-BK	25.4	519.47	-1000	-1025.3	3.0
PLCC-25.4-1500-BK	25.4	779.20	-1500	-1538.0	4.0
PLCC-38.1-500-BK	38.1	259.73	-500	-512.7	3.0
PLCC-38.1-1000-BK	38.1	519.47	-1000	-1025.3	4.0
PLCC-38.1-1500-BK	38.1	779.20	-1500	-1538.0	4.0
PLCC-50.8-200-BK	50.8	103.89	-200	-205.1	3.0
PLCC-50.8-300-BK	50.8	155.84	-300	-307.6	3.0
PLCC-50.8-500-BK	50.8	259.73	-500	-512.7	5.0
PLCC-50.8-1000-BK	50.8	519.47	-1000	-1025.3	5.0
PLCC-50.8-1500-BK	50.8	779.20	-1500	-1538.0	5.0



Spherical Plano-Concave Mirror Blanks

Product Code: SMCC



Substrate Materials: UV Fused Silica, BK-7
 Diameter Tolerance: +0.000 /-0.005" [+0.000/-0.127mm]
 Thickness tolerance: +/-0.010" [+/-0.25mm]
 Radius tolerance: +/-0.5%
 Concentricity: < 3 arc minutes
 Surface Quality: 10-5
 Surface Figure: $\lambda/10$ @ 633nm over clear aperture
 Chamfer: 0.38mm @ 45° typical
 Clear Aperture: \geq central 85% of diameter

- Customer specified coatings are available.
- Mirrors are also available in 6.35mm thick.
- Non-standard mirror blanks are also available, but require a quotation for price and delivery. Please contact OptiSource, LLC Technical Sales for all of your non-standard requirements.

Part Number	Diameter (mm)	CT (mm)	Radius (mm)	Substrate Material
SMCC-1037-50-XX	25.4	9.525	50	UV, BK-7
SMCC-1037-75-XX	25.4	9.525	75	UV, BK-7
SMCC-1037-100-XX	25.4	9.525	100	UV, BK-7
SMCC-1037-150-XX	25.4	9.525	150	UV, BK-7
SMCC-1037-200-XX	25.4	9.525	200	UV, BK-7
SMCC-1037-300-XX	25.4	9.525	300	UV, BK-7
SMCC-1037-500-XX	25.4	9.525	500	UV, BK-7
SMCC-1037-750-XX	25.4	9.525	750	UV, BK-7
SMCC-1037-1000-XX	25.4	9.525	1000	UV, BK-7
SMCC-1037-1500-XX	25.4	9.525	1500	UV, BK-7
SMCC-1037-2000-XX	25.4	9.525	2000	UV, BK-7
SMCC-1037-3000-XX	25.4	9.525	3000	UV, BK-7
SMCC-1037-5000-XX	25.4	9.525	5000	UV, BK-7
SMCC-1037-7500-XX	25.4	9.525	7500	UV, BK-7
SMCC-1037-10000-XX	25.4	9.525	10000	UV, BK-7
SMCC-1037-20000-XX	25.4	9.525	20000	UV, BK-7
SMCC-2037-100-XX	50.8	9.525	100	UV, BK-7

Spherical Plano-Concave Mirror Blanks

Product Code: SMCC

Part Number	Diameter (mm)	CT (mm)	Radius (mm)	Substrate Material
SMCC-2037-200-XX	50.8	9.525	200	UV, BK-7
SMCC-2037-300-XX	50.8	9.525	300	UV, BK-7
SMCC-2037-500-XX	50.8	9.525	500	UV, BK-7
SMCC-2037-750-XX	50.8	9.525	750	UV, BK-7
SMCC-2037-1000-XX	50.8	9.525	1000	UV, BK-7
SMCC-2037-1500-XX	50.8	9.525	1500	UV, BK-7
SMCC-2037-2000-XX	50.8	9.525	2000	UV, BK-7
SMCC-2037-3000-XX	50.8	9.525	3000	UV, BK-7
SMCC-2037-5000-XX	50.8	9.525	5000	UV, BK-7
SMCC-2037-10000-XX	50.8	9.525	10000	UV, BK-7

