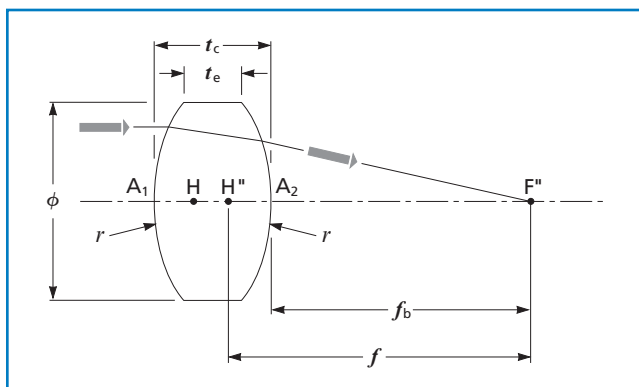


Bi-Convex Spherical Lenses

Bi-convex or symmetric-convex lenses have two convex surfaces with identical radii. They are recommended for virtual imaging of real objects and for positive conjugate ratios from approximately 0.2 to 5 (values are wavelength sensitive). Due to the symmetry, aberrations such as coma, distortion, and chromatic aberration almost exactly cancel out at unit conjugate ratio. Aberrations increase as conjugate ratios depart from unity.

- Bi-convex symmetric-convex lenses have positive focal lengths and form both real and virtual images
- They are available in both BK7 glass, synthetic fused silica, and magnesium fluoride
- Refer to CVI Melles Griot standard size codes, radii of curvature and radii tolerance charts



Bi-convex lens

Standard BK7 Bi-Convex Lenses

| f (mm) | ϕ (mm) | f/# | f_b (mm) | t_c (mm) | t_e (mm) | r (mm) | PART NUMBER | |
|-------------|----------------|-----|---------------|---------------|---------------|-------------|-------------|-----------------|
| | | | | | | | FORMER# | REPLACED BY |
| 4.5 | 5.0 | 0.9 | 3.8 | 2.0 | 0.4 | 4.3 | 01 LDX 401 | LDX-5.0-4.3-C |
| 7.0 | 5.0 | 1.4 | 5.9 | 3.0 | 2.0 | 6.7 | 01 LDX 001 | LDX-5.0-6.7-C |
| 8.0 | 6.0 | 1.3 | 6.9 | 3.2 | 2.0 | 7.7 | 01 LDX 003 | LDX-6.0-7.7-C |
| 10.0 | 5.0 | 2.0 | 9.1 | 2.6 | 2.0 | 9.9 | 01 LDX 005 | LDX-5.0-9.9-C |
| 10.0 | 10.0 | 1.0 | 8.3 | 4.8 | 1.9 | 9.5 | 01 LDX 009 | LDX-10.0-9.5-C |
| 10.0 | 12.5 | 0.8 | 7.3 | 7.1 | 2.0 | 9.0 | 01 LDX 301 | LDX-12.5-9.0-C |
| 12.5 | 12.5 | 1.0 | 10.5 | 5.5 | 2.0 | 11.9 | 01 LDX 303 | LDX-12.5-11.9-C |
| 12.7 | 6.3 | 2.0 | 11.7 | 2.8 | 2.0 | 12.7 | 01 LDX 013 | LDX-6.3-12.7-C |
| 14.2 | 12.5 | 1.1 | 12.4 | 5.0 | 2.0 | 13.8 | 01 LDX 015 | LDX-12.5-13.8-C |
| 15.0 | 7.5 | 2.0 | 14.0 | 2.9 | 2.0 | 15.0 | 01 LDX 017 | LDX-7.5-15.0-C |

* Former Melles Griot part number is replaced by new CVI Melles Griot part number

(continued)

BK7 Bi-Convex Lenses

Standard BK7 Bi-Convex Lenses

- Other CVI Melles Griot AR coatings also available (488-515, 532, 532/1064, 543, 633, 694, 755, 780, 800, 830, 1047, 1053, 1064, 1310, 1550 and 2100 nm)

SPECIFICATIONS:

| | |
|-----------------------|--|
| Paraxial Focal Length | $f \pm 2\%$, (400 series $\pm 4\%$) |
| Clear Aperture (CA) | 90% of central diameter |
| Optical Material | BK7 |
| Center Thickness | $t_c \pm 0.2$ mm |
| Centration | ≤ 3 arc minutes |
| Diameter | $\phi + 0/-0.10$ mm (+ $0/-0.15$ mm for $\phi \geq 75$ mm) |
| Surface Quality | 60-40 scratch and dig |
| Edge Characteristics | 0.25–0.50-mm bevel |

Build Your Own

LDX-10.0-9.5.3-C — 425-675

Lens Part Number

Wavelength of AR Coating (nm)

SLMF-400-700 670-1064
425-675 1050-1600

Standard BK7 Bi-Convex Lenses (continued)

| f (mm) | ϕ (mm) | f/# | f_b (mm) | t_c (mm) | t_e (mm) | r (mm) | PART NUMBER | |
|-------------|----------------|-----|---------------|---------------|---------------|-------------|-------------|-----------------|
| | | | | | | | FORMER‡ | REPLACED BY |
| 15.0 | 12.5 | 1.2 | 13.3 | 4.8 | 2.0 | 14.7 | 01 LDX 305 | LDX-12.5-14.7-C |
| 15.0 | 14.5 | 1.0 | 12.9 | 5.9 | 2.0 | 14.5 | 01 LDX 019 | LDX-14.5-14.5-C |
| 18.0 | 13.0 | 1.4 | 16.5 | 4.4 | 2.0 | 17.9 | 01 LDX 023 | LDX-13.0-17.9-C |
| 20.0 | 12.5 | 1.6 | 18.6 | 4.0 | 2.0 | 20.0 | 01 LDX 307 | LDX-12.5-20.0-C |
| 20.0 | 15.0 | 1.3 | 18.3 | 4.9 | 2.0 | 19.9 | 01 LDX 025 | LDX-15.0-19.9-C |
| 20.0 | 21.0 | 1.0 | 17.1 | 8.2 | 2.0 | 19.2 | 01 LDX 027 | LDX-21.0-19.2-C |
| 20.0 | 25.0 | 0.8 | 15.6 | 11.8 | 2.1 | 18.5 | 01 LDX 327 | LDX-25.0-18.5-C |
| 22.0 | 20.0 | 1.1 | 19.6 | 6.9 | 2.0 | 21.6 | 01 LDX 029 | LDX-20.0-21.6-C |
| 25.0 | 12.5 | 2.0 | 23.8 | 3.6 | 2.0 | 25.3 | 01 LDX 309 | LDX-12.5-25.3-C |
| 25.0 | 22.4 | 1.1 | 22.5 | 7.3 | 1.9 | 24.6 | 01 LDX 035 | LDX-22.4-24.6-C |
| 25.0 | 25.0 | 1.0 | 21.9 | 8.9 | 2.0 | 24.3 | 01 LDX 329 | LDX-25.0-24.3-C |
| 25.4 | 20.0 | 1.3 | 23.3 | 6.1 | 2.0 | 25.3 | 01 LDX 041 | LDX-20.0-25.3-C |
| 25.4 | 25.4 | 1.0 | 22.2 | 9.0 | 2.0 | 24.7 | 01 LDX 043 | LDX-25.4-24.7-C |
| 28.6 | 12.7 | 2.3 | 27.5 | 3.4 | 2.0 | 29.1 | 01 LDX 049 | LDX-12.7-29.1-C |
| 30.0 | 12.5 | 2.4 | 28.9 | 3.3 | 2.0 | 30.5 | 01 LDX 311 | LDX-12.5-30.5-C |
| 30.0 | 22.4 | 1.3 | 27.8 | 6.3 | 2.0 | 30.0 | 01 LDX 055 | LDX-22.4-30.0-C |
| 30.0 | 30.0 | 1.0 | 26.4 | 10.3 | 2.0 | 29.3 | 01 LDX 057 | LDX-30.0-29.3-C |
| 31.7 | 25.4 | 1.2 | 29.2 | 7.3 | 2.0 | 31.6 | 01 LDX 061 | LDX-25.4-31.6-C |
| 31.7 | 35.0 | 0.9 | 27.1 | 12.9 | 1.9 | 30.5 | 01 LDX 063 | LDX-35.0-30.5-C |
| 33.0 | 10.0 | 3.3 | 32.1 | 2.7 | 2.0 | 33.8 | 01 LDX 065 | LDX-10.0-33.8-C |
| 35.0 | 19.5 | 1.8 | 33.4 | 4.7 | 2.0 | 35.5 | 01 LDX 067 | LDX-19.5-35.5-C |
| 38.1 | 38.1 | 1.0 | 33.8 | 12.4 | 1.9 | 37.3 | 01 LDX 079 | LDX-38.1-37.3-C |
| 40.0 | 12.5 | 3.2 | 39.0 | 3.0 | 2.0 | 41.0 | 01 LDX 313 | LDX-12.5-41.0-C |
| 40.0 | 25.0 | 1.6 | 38.0 | 5.9 | 1.9 | 40.5 | 01 LDX 085 | LDX-25.0-40.5-C |
| 40.0 | 50.0 | 0.8 | 31.9 | 22.2 | 2.9 | 37.3 | 01 LDX 365 | LDX-50.0-37.3-C |
| 50.0 | 12.5 | 4.0 | 49.1 | 2.8 | 2.0 | 51.4 | 01 LDX 315 | LDX-12.5-51.4-C |
| 50.0 | 25.0 | 2.0 | 48.3 | 5.1 | 2.0 | 51.0 | 01 LDX 103 | LDX-25.0-51.0-C |
| 50.0 | 30.0 | 1.7 | 47.8 | 6.5 | 2.0 | 50.7 | 01 LDX 104 | LDX-30.0-50.7-C |
| 50.0 | 31.0 | 1.6 | 47.7 | 6.8 | 1.9 | 50.7 | 01 LDX 105 | LDX-31.0-50.7-C |
| 50.0 | 42.0 | 1.2 | 46.2 | 11.2 | 1.9 | 49.9 | 01 LDX 107 | LDX-42.0-49.9-C |
| 50.0 | 50.0 | 1.0 | 44.5 | 15.8 | 2.1 | 49.0 | 01 LDX 367 | LDX-50.0-49.0-C |
| 50.8 | 60.0 | 0.8 | 42.3 | 23.7 | 2.8 | 48.3 | 01 LDX 117 | LDX-60.0-48.3-C |
| 54.0 | 32.0 | 1.7 | 51.7 | 6.7 | 1.9 | 54.9 | 01 LDX 119 | LDX-32.0-54.9-C |
| 60.0 | 50.0 | 1.2 | 55.6 | 12.9 | 2.0 | 60.0 | 01 LDX 123 | LDX-50.0-60.0-C |
| 62.5 | 25.0 | 2.5 | 61.0 | 4.5 | 2.0 | 64.1 | 01 LDX 333 | LDX-25.0-64.1-C |
| 63.5 | 50.0 | 1.3 | 59.0 | 13.2 | 3.0 | 63.5 | 01 LDX 127 | LDX-50.0-63.5-C |
| 65.0 | 35.0 | 1.9 | 62.8 | 6.7 | 2.0 | 66.3 | 01 LDX 129 | LDX-35.0-66.3-C |
| 70.0 | 30.0 | 2.3 | 68.3 | 5.2 | 2.0 | 71.7 | 01 LDX 135 | LDX-30.0-71.7-C |
| 75.0 | 12.5 | 6.0 | 74.2 | 2.5 | 2.0 | 77.4 | 01 LDX 317 | LDX-12.5-77.4-C |
| 75.0 | 25.0 | 3.0 | 73.7 | 4.0 | 2.0 | 77.1 | 01 LDX 141 | LDX-25.0-77.1-C |
| 75.0 | 50.0 | 1.5 | 71.1 | 11.5 | 3.0 | 75.8 | 01 LDX 369 | LDX-50.0-75.8-C |
| 76.2 | 50.8 | 1.5 | 72.3 | 11.5 | 2.9 | 77.0 | 01 LDX 145 | LDX-50.8-77.0-C |
| 80.0 | 22.4 | 3.6 | 78.8 | 3.5 | 2.0 | 82.4 | 01 LDX 149 | LDX-22.4-82.4-C |
| 80.0 | 47.0 | 1.7 | 77.0 | 8.9 | 2.0 | 81.4 | 01 LDX 157 | LDX-47.0-81.4-C |
| 88.9 | 25.4 | 3.5 | 87.6 | 3.8 | 2.0 | 91.6 | 01 LDX 161 | LDX-25.4-91.6-C |

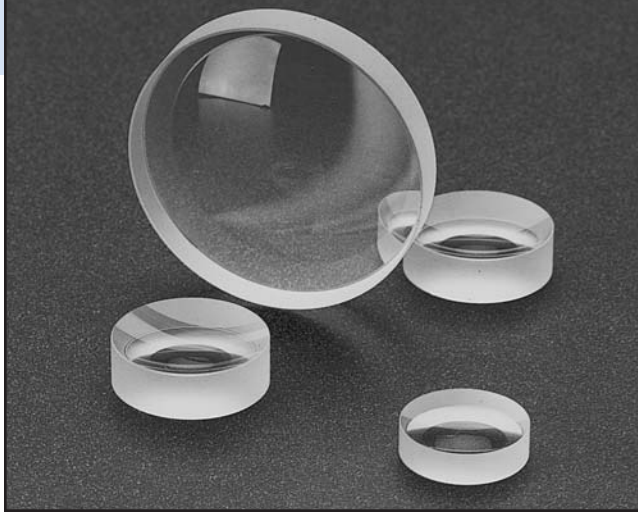
‡ Former Melles Griot part number is replaced by new CVI Melles Griot part number

(continued)

Standard BK7 Bi-Convex Lenses (continued)

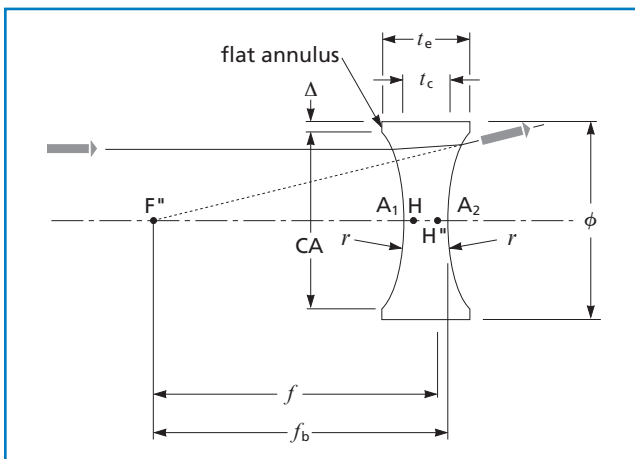
| f (mm) | ϕ (mm) | $f/\#$ | f_b (mm) | t_c (mm) | t_e (mm) | r (mm) | PART NUMBER | |
|-------------|----------------|--------|---------------|---------------|---------------|-------------|-------------|-------------------|
| | | | | | | | FORMER† | REPLACED BY |
| 100.0 | 12.5 | 8.0 | 99.2 | 2.4 | 2.0 | 103.3 | 01 LDX 319 | LDX-12.5-103.3-C |
| 100.0 | 22.4 | 4.5 | 98.9 | 3.2 | 2.0 | 103.2 | 01 LDX 167 | LDX-22.4-103.2-C |
| 100.0 | 25.0 | 4.0 | 98.8 | 3.5 | 2.0 | 103.1 | 01 LDX 335 | LDX-25.0-103.1-C |
| 100.0 | 30.0 | 3.3 | 98.6 | 4.2 | 2.0 | 103.0 | 01 LDX 168 | LDX-30.0-103.0-C |
| 100.0 | 50.0 | 2.0 | 97.3 | 8.2 | 2.0 | 102.3 | 01 LDX 171 | LDX-50.0-102.3-C |
| 101.6 | 50.8 | 2.0 | 98.5 | 9.3 | 3.0 | 103.8 | 01 LDX 179 | LDX-50.8-103.8-C |
| 125.0 | 12.5 | 10.0 | 124.2 | 2.3 | 2.0 | 129.3 | 01 LDX 321 | LDX-12.5-129.3-C |
| 125.0 | 25.0 | 5.0 | 123.9 | 3.2 | 2.0 | 129.1 | 01 LDX 185 | LDX-25.0-129.1-C |
| 127.0 | 50.8 | 2.5 | 124.3 | 8.0 | 3.0 | 130.4 | 01 LDX 189 | LDX-50.8-130.4-C |
| 150.0 | 25.0 | 6.0 | 149.0 | 3.0 | 2.0 | 155.1 | 01 LDX 337 | LDX-25.0-155.1-C |
| 150.0 | 30.0 | 5.0 | 148.8 | 3.5 | 2.0 | 155.0 | 01 LDX 202 | LDX-30.0-155.0-C |
| 150.0 | 50.0 | 3.0 | 148.0 | 6.1 | 2.0 | 154.6 | 01 LDX 205 | LDX-50.0-154.6-C |
| 150.0 | 75.0 | 2.0 | 145.9 | 12.2 | 2.9 | 153.5 | 01 LDX 209 | LDX-75.0-153.5-C |
| 150.0 | 95.0 | 1.6 | 144.0 | 18.0 | 2.8 | 152.5 | 01 LDX 211 | LDX-95.0-152.5-C |
| 175.0 | 12.5 | 14.0 | 174.3 | 2.2 | 2.0 | 181.2 | 01 LDX 323 | LDX-12.5-181.2-C |
| 175.0 | 25.0 | 7.0 | 174.1 | 2.9 | 2.0 | 181.1 | 01 LDX 339 | LDX-25.0-181.1-C |
| 200.0 | 25.0 | 8.0 | 199.1 | 2.8 | 2.0 | 207.0 | 01 LDX 341 | LDX-25.0-207.0-C |
| 200.0 | 30.0 | 6.7 | 199.0 | 3.1 | 2.0 | 207.0 | 01 LDX 218 | LDX-30.0-207.0-C |
| 200.0 | 50.0 | 4.0 | 198.3 | 5.0 | 2.0 | 206.6 | 01 LDX 222 | LDX-50.0-206.6-C |
| 200.0 | 100.0 | 2.0 | 194.6 | 16.3 | 3.9 | 204.7 | 01 LDX 223 | LDX-100.0-204.7-C |
| 250.0 | 12.5 | 20.0 | 249.3 | 2.2 | 2.0 | 259.0 | 01 LDX 325 | LDX-12.5-259.0-C |
| 250.0 | 25.0 | 10.0 | 249.1 | 2.6 | 2.0 | 258.9 | 01 LDX 343 | LDX-25.0-258.9-C |
| 250.0 | 42.0 | 6.0 | 248.8 | 3.7 | 2.0 | 258.7 | 01 LDX 225 | LDX-42.0-258.7-C |
| 250.0 | 50.0 | 5.0 | 248.2 | 5.4 | 3.0 | 258.4 | 01 LDX 371 | LDX-50.0-258.4-C |
| 250.0 | 100.0 | 2.5 | 245.4 | 13.7 | 3.9 | 257.0 | 01 LDX 235 | LDX-100.0-257.0-C |
| 300.0 | 25.0 | 12.0 | 299.2 | 2.5 | 2.0 | 310.8 | 01 LDX 345 | LDX-25.0-310.8-C |
| 300.0 | 42.0 | 7.1 | 298.9 | 3.4 | 2.0 | 310.7 | 01 LDX 237 | LDX-42.0-310.7-C |
| 325.0 | 50.0 | 6.5 | 323.4 | 4.9 | 3.0 | 336.3 | 01 LDX 373 | LDX-50.0-336.3-C |
| 350.0 | 25.0 | 14.0 | 349.2 | 2.4 | 2.0 | 362.7 | 01 LDX 347 | LDX-25.0-362.7-C |
| 400.0 | 25.0 | 16.0 | 399.2 | 2.4 | 2.0 | 414.6 | 01 LDX 349 | LDX-25.0-414.6-C |
| 400.0 | 42.0 | 9.5 | 399.0 | 3.1 | 2.0 | 414.4 | 01 LDX 243 | LDX-42.0-414.4-C |
| 500.0 | 25.0 | 20.0 | 499.2 | 2.3 | 2.0 | 518.3 | 01 LDX 351 | LDX-25.0-518.3-C |
| 500.0 | 30.0 | 16.7 | 499.2 | 2.4 | 2.0 | 518.3 | 01 LDX 245 | LDX-30.0-518.3-C |
| 500.0 | 50.0 | 10.0 | 498.9 | 3.2 | 2.0 | 518.2 | 01 LDX 248 | LDX-50.0-518.2-C |
| 600.0 | 25.0 | 24.0 | 599.3 | 2.3 | 2.0 | 622.1 | 01 LDX 353 | LDX-25.0-622.1-C |
| 625.0 | 50.0 | 12.5 | 623.7 | 4.0 | 3.0 | 647.7 | 01 LDX 375 | LDX-50.0-647.7-C |
| 700.0 | 25.0 | 28.0 | 699.3 | 2.2 | 2.0 | 725.8 | 01 LDX 355 | LDX-25.0-725.8-C |
| 750.0 | 50.0 | 15.0 | 748.7 | 3.8 | 3.0 | 777.4 | 01 LDX 377 | LDX-50.0-777.4-C |
| 800.0 | 25.0 | 32.0 | 799.3 | 2.2 | 2.0 | 829.6 | 01 LDX 357 | LDX-25.0-829.6-C |
| 1000.0 | 25.0 | 40.0 | 999.3 | 2.2 | 2.0 | 1037.1 | 01 LDX 359 | LDX-25.0-1037.1-C |
| 1000.0 | 30.0 | 33.3 | 999.3 | 2.2 | 2.0 | 1037.1 | 01 LDX 258 | LDX-30.0-1037.1-C |
| 1000.0 | 50.0 | 20.0 | 999.1 | 2.6 | 2.0 | 1037.0 | 01 LDX 262 | LDX-50.0-1037.0-C |
| 1500.0 | 25.0 | 60.0 | 1499.3 | 2.1 | 2.0 | 1555.8 | 01 LDX 361 | LDX-25.0-1555.8-C |
| 1500.0 | 50.0 | 30.0 | 1498.9 | 3.4 | 3.0 | 1555.6 | 01 LDX 379 | LDX-50.0-1555.6-C |
| 2000.0 | 25.0 | 80.0 | 1999.3 | 2.1 | 2.0 | 2074.5 | 01 LDX 363 | LDX-25.0-2074.5-C |
| 2000.0 | 42.0 | 47.6 | 1999.3 | 2.2 | 2.0 | 2074.5 | 01 LDX 263 | LDX-42.0-2074.5-C |
| 2000.0 | 50.0 | 40.0 | 1998.9 | 3.3 | 3.0 | 2074.3 | 01 LDX 381 | LDX-50.0-2074.3-C |

† Former Melles Griot part number is replaced by new CVI Melles Griot part number



Bi-Concave or symmetric-concave lenses have a negative focal length and two concave surfaces with identical radii. Bi-concave lenses can be found in laser beam expanders, optical character readers, viewers, and projection systems.

- Bi-concave lenses diverge collimated incident light
- They form virtual images which can be seen through the lens
- Refer to CVI Melles Griot standard size codes, radii of curvature and radii tolerance charts



Symmetric-concave lens

BK7 Bi-Concave Lenses

Standard BK7 Bi-Concave Lenses

- Other CVI Melles Griot AR coatings also available (488-515, 532, 532/1064, 543, 633, 694, 755, 780, 800, 830, 1047, 1053, 1064, 1310, 1550 and 2100 nm)

SPECIFICATIONS:

| | |
|---------------------------------|---|
| Paraxial Focal Length | $f \pm 2\%$ |
| Design Wavelength | 546.1 nm |
| Clear Aperture (CA) | $\phi - 2\Delta$ |
| Optical Material | BK7 |
| Center Thickness | $t_c \pm 0.2$ mm |
| Centration | ≤ 3 arc minutes |
| Diameter | $\phi + 0/-0.1$ mm ($+0/-0.15$ mm for $\phi \geq 75$ mm) |
| Surface Quality | 60-40 scratch and dig |
| Edge Characteristics | 0.05–0.20-mm bevel |
| Flat Annulus Width (Δ) | 0.2 mm for $\phi \leq 40$ mm; 0.4 mm for $\phi > 40$ mm ($+0/-70\%$) |

Build Your Own

LDK-12.0-12.8-C — 425-675

Lens Part Number

Wavelength of AR Coating (nm)

| | |
|--------------|-----------|
| SLMF-400-700 | 670-1064 |
| 425-675 | 1050-1600 |

Standard BK7 Bi-Concave Lenses

| f (mm) | ϕ (mm) | f/# | f_b (mm) | t_c (mm) | t_e (mm) | r (mm) | PART NUMBER | |
|-------------|----------------|------|---------------|---------------|---------------|-------------|-------------|-----------------|
| | | | | | | | FORMER† | REPLACED BY |
| –5.0 | 5.0 | –1.1 | –5.6 | 2.0 | 3.0 | 5.5 | 01 LDK 001 | LDK-5.0-5.5-C |
| –8.0 | 6.0 | –1.4 | –8.6 | 2.0 | 2.9 | 8.6 | 01 LDK 003 | LDK-6.0-8.6-C |
| –12.0 | 12.0 | –1.0 | –12.6 | 2.0 | 4.8 | 12.8 | 01 LDK 005 | LDK-12.0-12.8-C |
| –12.5 | 12.5 | –1.0 | –13.2 | 2.0 | 4.9 | 13.3 | 01 LDK 105 | LDK-12.5-13.3-C |
| –15.0 | 12.5 | –1.2 | –15.7 | 2.0 | 4.4 | 15.9 | 01 LDK 107 | LDK-12.5-15.9-C |

† Former Melles Griot part number is replaced by new CVI Melles Griot part number
CVI Melles Griot can reduce (edge) diameters of lenses to meet your requirements. Contact us for details.

(continued)

Standard BK7 Bi-Concave Lenses (continued)

| | f (mm) | ϕ (mm) | f/# | f_b (mm) | t_c (mm) | t_e (mm) | r (mm) | PART NUMBER | |
|-------------------------|-------------|----------------|-------|---------------|---------------|---------------|-------------|-------------|------------------|
| | | | | | | | | FORMER† | REPLACED BY |
| Spherical Lenses | -20.0 | 12.5 | -1.7 | -20.7 | 2.0 | 3.8 | 21.1 | 01 LDK 109 | LDK-12.5-21.1-C |
| | -20.0 | 20.0 | -1.0 | -20.6 | 2.0 | 6.8 | 21.1 | 01 LDK 007 | LDK-20.0-21.1-C |
| | -25.0 | 12.5 | -2.1 | -25.7 | 2.0 | 3.4 | 26.3 | 01 LDK 111 | LDK-12.5-26.3-C |
| | -25.0 | 25.0 | -1.0 | -25.7 | 2.0 | 8.1 | 26.3 | 01 LDK 009 | LDK-25.0-26.3-C |
| | -30.0 | 12.5 | -2.5 | -30.7 | 2.0 | 3.2 | 31.5 | 01 LDK 113 | LDK-12.5-31.5-C |
| Cylindrical Lenses | -30.0 | 13.0 | -2.4 | -30.7 | 2.0 | 3.3 | 31.5 | 01 LDK 012 | LDK-13.0-31.5-C |
| | -30.0 | 20.0 | -1.5 | -30.7 | 2.0 | 5.1 | 31.5 | 01 LDK 013 | LDK-20.0-31.5-C |
| | -30.0 | 30.0 | -1.0 | -30.7 | 2.0 | 9.4 | 31.5 | 01 LDK 015 | LDK-30.0-31.5-C |
| | -35.0 | 20.0 | -1.8 | -35.7 | 2.0 | 4.7 | 36.6 | 01 LDK 016 | LDK-20.0-36.6-C |
| | -37.5 | 25.0 | -1.5 | -38.2 | 2.0 | 6.0 | 39.2 | 01 LDK 115 | LDK-25.0-39.2-C |
| Multielement Lenses | -40.0 | 12.5 | -3.3 | -40.7 | 2.0 | 2.9 | 41.8 | 01 LDK 117 | LDK-12.5-41.8-C |
| | -40.0 | 22.4 | -1.8 | -40.7 | 2.0 | 4.9 | 41.8 | 01 LDK 017 | LDK-22.4-41.8-C |
| | -50.0 | 12.5 | -4.1 | -50.7 | 2.0 | 2.7 | 52.2 | 01 LDK 119 | LDK-12.5-52.2-C |
| | -50.0 | 25.0 | -2.0 | -50.7 | 2.0 | 4.9 | 52.2 | 01 LDK 121 | LDK-25.0-52.2-C |
| | -50.0 | 30.0 | -1.7 | -50.7 | 2.0 | 6.3 | 52.2 | 01 LDK 018 | LDK-30.0-52.2-C |
| Mirrors | -50.0 | 42.0 | -1.2 | -50.7 | 2.0 | 10.5 | 52.2 | 01 LDK 021 | LDK-42.0-52.2-C |
| | -50.0 | 50.0 | -1.2 | -50.7 | 2.0 | 14.3 | 52.2 | 01 LDK 122 | LDK-50.0-52.2-C |
| | -62.5 | 25.0 | -2.5 | -63.2 | 2.0 | 4.3 | 65.2 | 01 LDK 123 | LDK-25.0-65.2-C |
| | -70.0 | 20.0 | -3.6 | -70.7 | 2.0 | 3.3 | 73.0 | 01 LDK 023 | LDK-20.0-73.0-C |
| | -75.0 | 12.5 | -6.2 | -75.7 | 2.0 | 2.5 | 78.1 | 01 LDK 125 | LDK-12.5-78.1-C |
| Beamsplitters | -75.0 | 25.0 | -3.0 | -75.7 | 2.0 | 3.9 | 78.1 | 01 LDK 127 | LDK-25.0-78.1-C |
| | -75.0 | 50.0 | -1.5 | -75.7 | 2.0 | 9.9 | 78.1 | 01 LDK 129 | LDK-50.0-78.1-C |
| | -100.0 | 12.5 | -8.3 | -100.7 | 2.0 | 2.4 | 104.1 | 01 LDK 131 | LDK-12.5-104.1-C |
| | -100.0 | 25.0 | -4.1 | -100.7 | 2.0 | 3.5 | 104.1 | 01 LDK 133 | LDK-25.0-104.1-C |
| | -100.0 | 30.0 | -3.4 | -100.7 | 2.0 | 4.1 | 104.1 | 01 LDK 024 | LDK-30.0-104.1-C |
| Waveplates | -100.0 | 50.0 | -2.0 | -100.7 | 2.0 | 7.9 | 104.1 | 01 LDK 026 | LDK-50.0-104.1-C |
| | -125.0 | 12.5 | -10.3 | -125.7 | 2.0 | 2.3 | 130.0 | 01 LDK 135 | LDK-12.5-130.0-C |
| | -125.0 | 25.0 | -5.1 | -125.7 | 2.0 | 3.2 | 130.0 | 01 LDK 137 | LDK-25.0-130.0-C |
| | -150.0 | 22.4 | -6.8 | -150.7 | 2.0 | 2.8 | 156.0 | 01 LDK 027 | LDK-22.4-156.0-C |
| | -150.0 | 25.0 | -6.1 | -150.7 | 2.0 | 3.0 | 156.0 | 01 LDK 139 | LDK-25.0-156.0-C |
| Polarization Components | -150.0 | 50.0 | -3.0 | -150.7 | 2.0 | 5.9 | 156.0 | 01 LDK 031 | LDK-50.0-156.0-C |
| | -175.0 | 12.5 | -14.5 | -175.7 | 2.0 | 2.2 | 181.9 | 01 LDK 141 | LDK-12.5-181.9-C |
| | -175.0 | 25.0 | -7.1 | -175.7 | 2.0 | 2.8 | 181.9 | 01 LDK 143 | LDK-25.0-181.9-C |
| | -200.0 | 25.0 | -8.1 | -200.7 | 2.0 | 2.7 | 207.8 | 01 LDK 145 | LDK-25.0-207.8-C |
| | -200.0 | 30.0 | -6.8 | -200.7 | 2.0 | 3.1 | 207.8 | 01 LDK 034 | LDK-30.0-207.8-C |
| Ultrafast Components | -250.0 | 12.5 | -20.7 | -250.7 | 2.0 | 2.1 | 259.7 | 01 LDK 147 | LDK-12.5-259.7-C |
| | -250.0 | 25.0 | -10.2 | -250.7 | 2.0 | 2.6 | 259.7 | 01 LDK 149 | LDK-25.0-259.7-C |
| | -250.0 | 50.0 | -5.1 | -250.7 | 2.0 | 4.9 | 259.7 | 01 LDK 036 | LDK-50.0-259.7-C |
| | -300.0 | 25.0 | -12.2 | -300.7 | 2.0 | 2.5 | 311.6 | 01 LDK 151 | LDK-25.0-311.6-C |
| | -300.0 | 50.0 | -6.1 | -300.7 | 2.0 | 3.9 | 311.6 | 01 LDK 153 | LDK-50.0-311.6-C |
| Filters and Etalons | -500.0 | 42.0 | -12.1 | -500.7 | 2.0 | 2.8 | 519.1 | 01 LDK 041 | LDK-42.0-519.1-C |
| | -600.0 | 50.0 | -12.2 | -600.7 | 2.0 | 3.0 | 622.9 | 01 LDK 045 | LDK-50.0-622.9-C |

† Former Melles Griot part number is replaced by new CVI Melles Griot part number
CVI Melles Griot can reduce (edge) diameters of lenses to meet your requirements. Contact us for details.