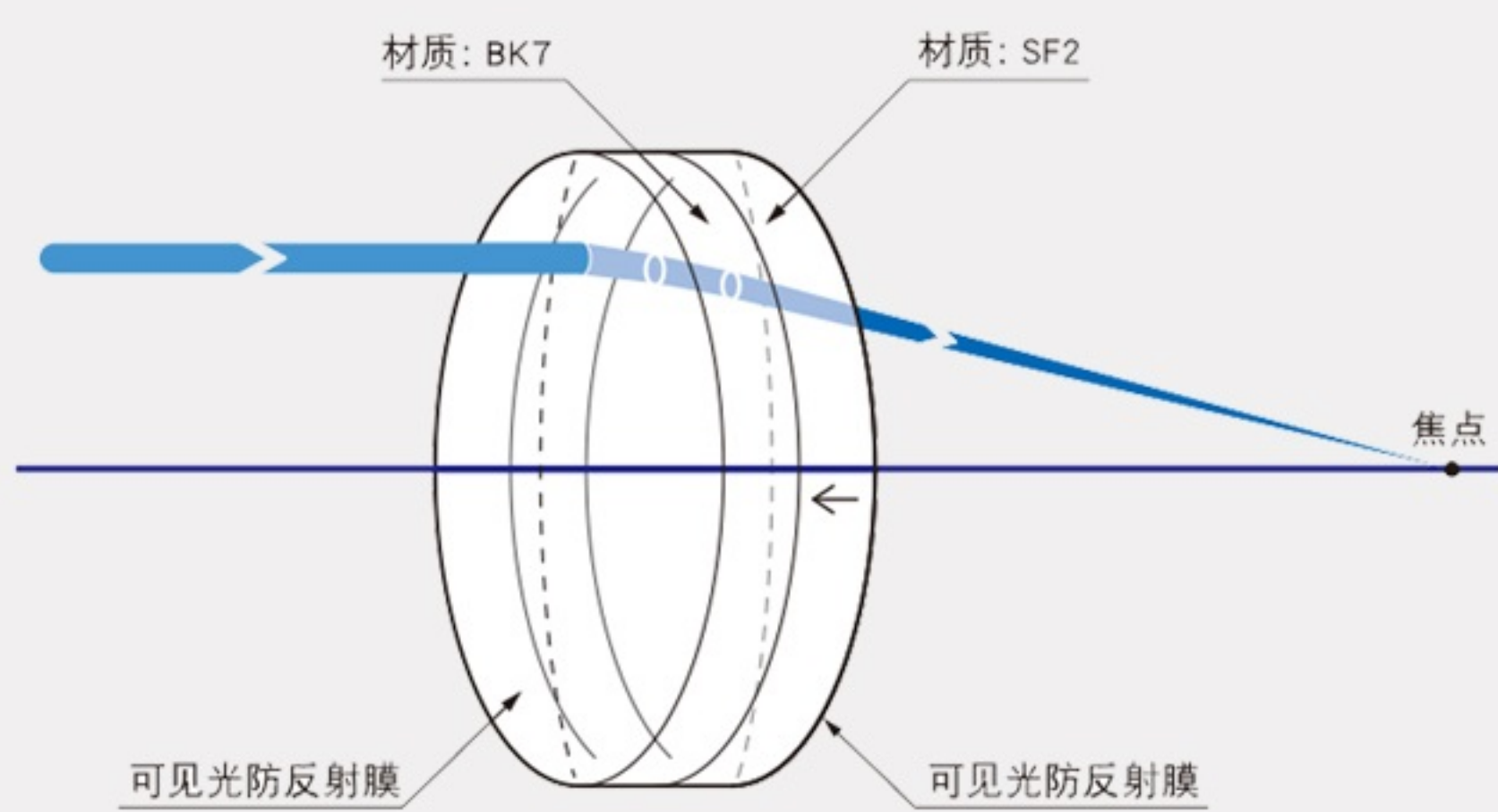


消色差双胶合透镜

DLB

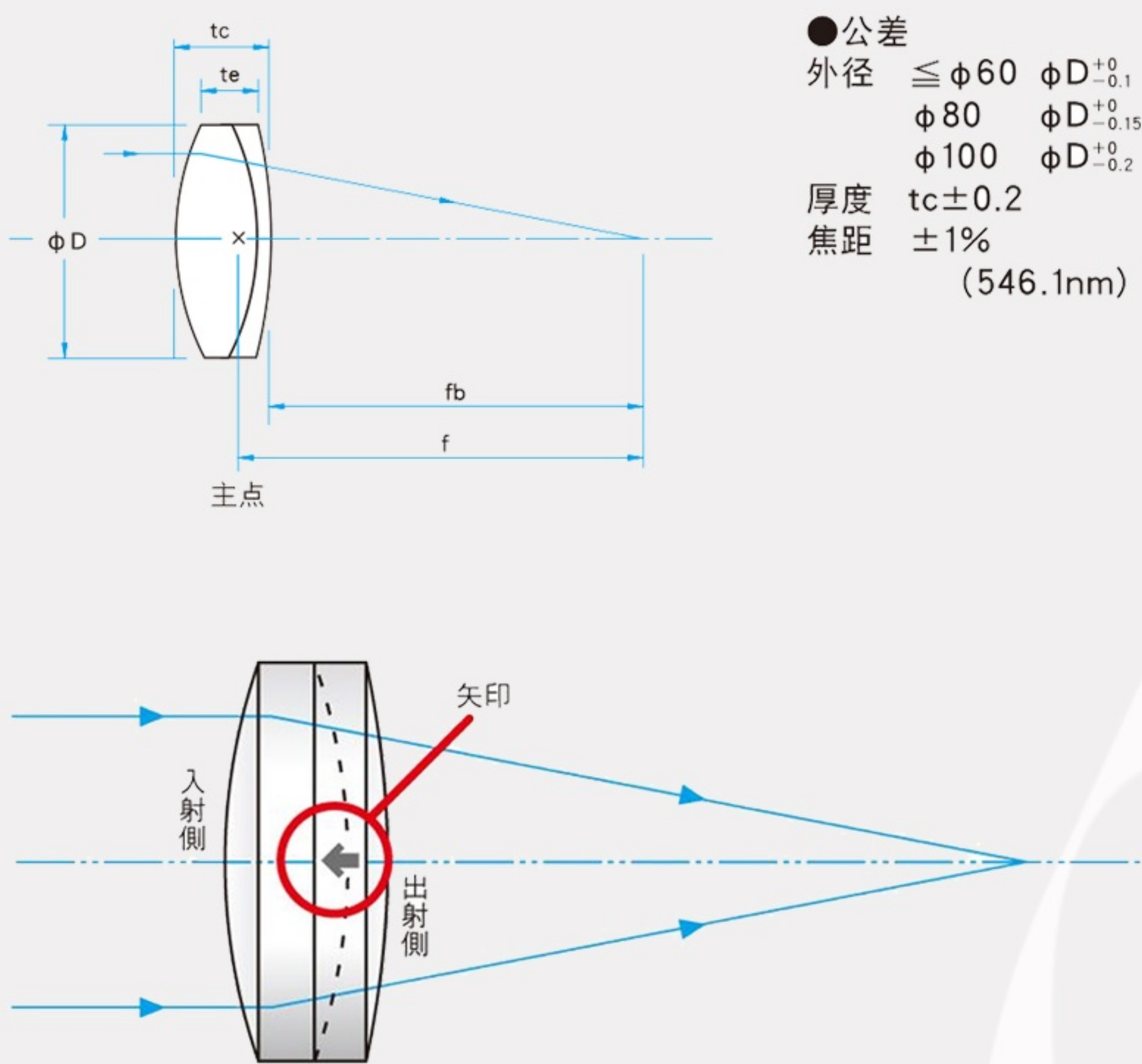


功能说明图



外形图

(单位: mm)



由折射率和色散不同的2个透镜组成的胶合透镜，与球面单透镜相比，可以校正色差和球差。
可以作为望远镜的物镜或激光实验的准直透镜使用。

- 通过优化透镜设计，整个可见光谱区焦距几乎不变。
- 除色差外，球差也得到了良好地校正，作为激光的准直透镜十分合适。
- 除轴上物点的色差外，轴外的慧差或像散也得到了良好地校正。可以用于望远镜的物镜或显微镜的成像透镜等的成像系统。
- 从丰富细化的外径尺寸和焦距的系列产品中，选择符合您的技术要求的产品。

- 注意
- ▲ 承接制造产品目录之外的焦距或外径的产品。
 - ▲ 消色差透镜令无限远物体成像于焦点位置，或将点光源转化为平行光。如果要对近距离的物体进行成像，透镜的光学性能将不能得到充分发挥。
 - ▲ 入射消色差透镜的平行光有方向性，要从曲率半径较小的一侧（有箭头符号指向的一面）射入平行光。从相反的一侧射入平行光时，会产生色差或球差，焦点光斑会变大。
 - ▲ 在可见光以外的波长条件下使用，色差可能会变大，而且，透过率可能降低。

共同指标	
材质	BK7, SF2
设计波长	兰色: 486.1nm, 绿色: 546.1nm, 红色: 656.3nm
镀膜	防反射膜
粘接剂	紫外固化型粘接剂
激光损伤阈值	0.3J/cm ² (脉冲宽10ns,重复频率20Hz)
表面质量	40-20
有效直径	外径的90%

消色差双胶合透镜

DLB

φ10～φ25						
型号	外径 φD [mm]	焦距 f [mm]	边缘厚度 te [mm]	中心厚度 tc [mm]	后焦距 fb [mm]	偏心 [′]
DLB-10-20PM	φ 10	20.0	5.1	6.7	16.6	< 1
DLB-10-25PM	φ 10	25.0	4.9	6.1	22.1	< 1
DLB-10-30PM	φ 10	30.1	4.7	5.7	27.4	< 1
DLB-10-40PM	φ 10	40.0	4.6	5.3	37.5	< 1
DLB-10-50PM	φ 10	50.0	4.4	5.0	47.5	< 1
DLB-10-60PM	φ 10	60.1	4.4	4.9	57.6	< 1
DLB-10-70PM	φ 10	69.9	4.3	4.7	67.3	< 1
DLB-10-80PM	φ 10	80.1	4.2	4.6	77.8	< 1
DLB-10-100PM	φ 10	100.5	4.2	4.5	98.1	< 1
DLB-12.7-25PM	φ 12.7	25.1	5.3	7.3	21.5	< 1
DLB-12.7-30PM	φ 12.7	30.0	5.2	6.8	26.7	< 1
DLB-12.7-40PM	φ 12.7	40.1	4.9	6.1	36.9	< 1
DLB-12.7-50PM	φ 12.7	50.1	4.7	5.7	47.3	< 1
DLB-12.7-60PM	φ 12.7	60.0	4.6	5.4	57.3	< 1
DLB-12.7-70PM	φ 12.7	69.9	4.5	5.2	67.5	< 1
DLB-12.7-80PM	φ 12.7	79.9	4.5	5.1	77.4	< 1
DLB-12.7-100PM	φ 12.7	100.1	4.3	4.8	97.9	< 1
DLB-15-25PM	φ 15	25.2	6.0	8.8	20.7	< 1
DLB-15-30PM	φ 15	30.1	5.7	8.0	26.0	< 1
DLB-15-40PM	φ 15	40.1	5.2	6.9	36.5	< 1
DLB-15-50PM	φ 15	50.1	5.0	6.3	47.1	< 1
DLB-15-60PM	φ 15	59.9	4.8	5.9	57.0	< 1
DLB-15-70PM	φ 15	70.2	4.8	5.7	67.4	< 1
DLB-15-80PM	φ 15	79.9	4.7	5.5	77.1	< 1
DLB-15-100PM	φ 15	100.0	4.5	5.2	97.3	< 1
DLB-20-30PM	φ 20	30.6	6.8	10.9	24.9	< 1
DLB-20-40PM	φ 20	40.1	6.2	9.2	35.3	< 1
DLB-20-50PM	φ 20	50.2	5.7	8.1	46.0	< 1
DLB-20-60PM	φ 20	60.2	5.4	7.4	56.6	< 1
DLB-20-70PM	φ 20	70.1	5.2	6.9	66.7	< 1
DLB-20-80PM	φ 20	79.9	5.1	6.6	76.6	< 1
DLB-20-100PM	φ 20	99.5	4.9	6.1	96.4	< 1
DLB-20-120PM	φ 20	120.3	4.7	5.7	117.3	< 1
DLB-20-150PM	φ 20	149.8	4.6	5.4	147.0	< 1
DLB-20-170PM	φ 20	170.0	4.6	5.3	167.2	< 1
DLB-20-200PM	φ 20	200.1	4.5	5.1	197.3	< 1
DLB-20-220PM	φ 20	220.0	4.5	5.0	216.9	< 3
DLB-20-250PM	φ 20	250.0	4.4	4.9	247.0	< 3
DLB-20-300PM	φ 20	300.0	4.3	4.7	297.1	< 3
DLB-25-40PM	φ 25	40.9	7.7	12.5	34.2	< 1
DLB-25-50PM	φ 25	50.1	7.1	10.9	44.9	< 1
DLB-25-60PM	φ 25	60.1	6.7	9.8	55.2	< 1
DLB-25-70PM	φ 25	69.9	6.3	9.0	65.3	< 1
DLB-25-80PM	φ 25	80.0	6.2	8.5	75.9	< 1
DLB-25-100PM	φ 25	100.2	5.9	7.7	96.5	< 1
DLB-25-120PM	φ 25	119.8	5.6	7.2	116.2	< 1
DLB-25-150PM	φ 25	149.6	5.5	6.7	146.2	< 1
DLB-25-170PM	φ 25	170.4	5.3	6.4	167.1	< 1
DLB-25-200PM	φ 25	200.1	5.2	6.1	197.0	< 1
DLB-25-220PM	φ 25	222.0	5.2	6.0	218.9	< 1
DLB-25-250PM	φ 25	250.8	5.1	5.8	247.7	< 1
DLB-25-300PM	φ 25	300.0	5.0	5.6	296.6	< 3

消色差双胶合透镜

DLB

φ 25.4～φ 40						
型号	外径 φD [mm]	焦距 f [mm]	边缘厚度 te [mm]	中心厚度 tc [mm]	后焦距 fb [mm]	偏心 [′]
DLB-25.4-40PM	φ 25.4	40.9	7.6	12.5	34.2	<1
DLB-25.4-50PM	φ 25.4	50.1	7.0	10.9	44.9	<1
DLB-25.4-60PM	φ 25.4	60.1	6.6	9.8	55.2	<1
DLB-25.4-70PM	φ 25.4	69.9	6.2	9.0	65.3	<1
DLB-25.4-80PM	φ 25.4	80.0	6.1	8.5	75.9	<1
DLB-25.4-100PM	φ 25.4	100.2	5.8	7.7	96.5	<1
DLB-25.4-120PM	φ 25.4	119.8	5.6	7.2	116.2	<1
DLB-25.4-150PM	φ 25.4	149.6	5.4	6.7	146.2	<1
DLB-25.4-170PM	φ 25.4	170.4	5.3	6.4	167.1	<1
DLB-25.4-200PM	φ 25.4	200.1	5.1	6.1	197.0	<1
DLB-25.4-220PM	φ 25.4	222.0	5.1	6.0	218.9	<1
DLB-25.4-250PM	φ 25.4	250.8	5.0	5.8	247.7	<1
DLB-25.4-300PM	φ 25.4	300.0	5.0	5.6	296.6	<3
DLB-30-50PM	φ 30	50.3	8.6	14.1	43.5	<1
DLB-30-60PM	φ 30	60.3	8.1	12.6	53.9	<1
DLB-30-70PM	φ 30	70.8	7.7	11.5	65.0	<1
DLB-30-80PM	φ 30	80.3	7.4	10.7	75.0	<1
DLB-30-100PM	φ 30	100.7	6.8	9.5	96.0	<1
DLB-30-120PM	φ 30	120.1	6.6	8.8	115.7	<1
DLB-30-150PM	φ 30	150.0	6.3	8.1	146.0	<1
DLB-30-170PM	φ 30	169.9	6.1	7.7	166.0	<1
DLB-30-200PM	φ 30	200.2	6.0	7.3	196.4	<1
DLB-30-220PM	φ 30	220.2	5.9	7.1	216.5	<1
DLB-30-250PM	φ 30	249.7	5.8	6.9	246.1	<1
DLB-30-300PM	φ 30	300.4	5.7	6.6	296.9	<1
DLB-30-350PM	φ 30	350.0	5.6	6.4	346.2	<3
DLB-30-400PM	φ 30	400.0	5.5	6.2	396.3	<3
DLB-30-450PM	φ 30	450.0	5.5	6.1	446.5	<3
DLB-30-500PM	φ 30	500.0	5.5	6.0	496.5	<3
DLB-40-60PM	φ 40	60.2	11.0	19.3	50.2	<1
DLB-40-70PM	φ 40	70.3	10.2	17.2	61.7	<1
DLB-40-80PM	φ 40	80.2	9.7	15.8	71.8	<1
DLB-40-100PM	φ 40	99.9	8.9	13.7	92.8	<1
DLB-40-120PM	φ 40	120.0	8.3	12.3	113.7	<1
DLB-40-150PM	φ 40	150.1	7.7	10.9	144.5	<1
DLB-40-170PM	φ 40	169.7	7.5	10.3	164.5	<1
DLB-40-200PM	φ 40	199.7	7.2	9.6	194.8	<1
DLB-40-220PM	φ 40	220.7	7.0	9.2	216.0	<1
DLB-40-250PM	φ 40	249.1	6.9	8.8	244.6	<1
DLB-40-300PM	φ 40	300.5	6.7	8.3	296.1	<1
DLB-40-350PM	φ 40	349.9	6.5	7.9	345.8	<1
DLB-40-400PM	φ 40	399.7	6.4	7.6	395.7	<1
DLB-40-450PM	φ 40	450.0	6.3	7.4	445.5	<3
DLB-40-500PM	φ 40	500.0	6.3	7.2	495.6	<3

消色差双胶合透镜

DLB

φ50～φ100						
型号	外径 φD [mm]	焦距 f [mm]	边缘厚度 te [mm]	中心厚度 tc [mm]	后焦距 fb [mm]	偏心 [′]
DLB-50-80PM	φ 50	81.0	13.4	22.9	69.1	<1
DLB-50-100PM	φ 50	100.5	12.3	19.9	90.0	<1
DLB-50-120PM	φ 50	120.2	11.4	17.7	111.0	<1
DLB-50-150PM	φ 50	150.7	10.5	15.5	142.8	<1
DLB-50-170PM	φ 50	169.8	10.1	14.5	162.5	<1
DLB-50-200PM	φ 50	200.1	9.6	13.3	193.3	<1
DLB-50-220PM	φ 50	220.7	9.3	12.7	214.5	<1
DLB-50-250PM	φ 50	249.4	9.1	12.1	243.4	<1
DLB-50-300PM	φ 50	299.5	8.7	11.2	293.7	<1
DLB-50-350PM	φ 50	350.2	8.6	10.7	344.5	<1
DLB-50-400PM	φ 50	400.0	8.3	10.2	394.7	<1
DLB-50-450PM	φ 50	451.5	8.3	9.9	446.2	<1
DLB-50-500PM	φ 50	500.3	8.1	9.6	495.2	<1
DLB-50-600PM	φ 50	599.9	8.0	9.2	594.4	<3
DLB-50-700PM	φ 50	700.0	7.8	8.9	694.6	<3
DLB-50-800PM	φ 50	800.0	7.7	8.6	794.9	<3
DLB-50-1000PM	φ 50	1000.0	7.6	8.3	995.0	<3
DLB-50.8-100PM	φ 50.8	100.5	12.1	19.9	90.0	<1
DLB-50.8-120PM	φ 50.8	120.2	11.2	17.7	111.0	<1
DLB-50.8-150PM	φ 50.8	150.7	10.4	15.5	142.8	<1
DLB-50.8-200PM	φ 50.8	200.1	9.5	13.3	193.3	<1
DLB-50.8-250PM	φ 50.8	249.4	9.0	12.1	243.4	<1
DLB-50.8-300PM	φ 50.8	299.5	8.6	11.2	293.7	<1
DLB-50.8-400PM	φ 50.8	400.0	8.3	10.2	394.7	<1
DLB-50.8-500PM	φ 50.8	500.3	8.1	9.6	495.2	<1
DLB-50.8-700PM	φ 50.8	700.0	7.8	8.9	694.6	<3
DLB-50.8-1000PM	φ 50.8	1000.0	7.5	8.3	995.1	<3
DLB-60-170PM	φ 60	170.8	11.4	17.7	161.9	<1
DLB-60-200PM	φ 60	200.3	10.7	16.1	192.1	<1
DLB-60-250PM	φ 60	250.0	10.0	14.3	242.8	<1
DLB-60-500PM	φ 60	499.1	8.6	10.7	493.5	<1
DLB-60-600PM	φ 60	597.9	8.3	10.1	592.6	<1
DLB-80-150PM	φ 80	149.7	17.2	30.3	133.6	<1
DLB-80-200PM	φ 80	200.8	14.7	24.3	188.2	<1
DLB-80-300PM	φ 80	299.8	12.4	18.8	290.2	<1
DLB-80-500PM	φ 80	502.6	10.7	14.5	494.9	<1
DLB-80-800PM	φ 80	800.6	9.7	12.1	794.2	<1
DLB-100-200PM	φ 100	200.6	21.8	37.0	181.0	<1
DLB-100-300PM	φ 100	297.3	18.0	28.0	283.2	<1
DLB-100-500PM	φ 100	499.6	15.2	21.1	488.8	<1
DLB-100-800PM	φ 100	799.5	13.7	17.4	790.4	<1
DLB-100-1000PM	φ 100	998.1	13.1	16.1	989.7	<1

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