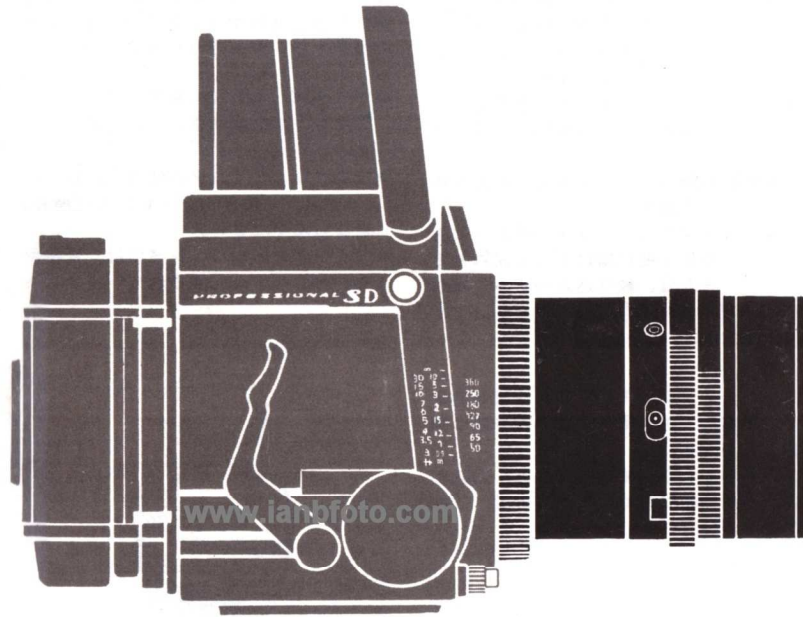


**RB67** PROFESSIONAL



マミヤ 交換レンズ  
Mamiya Interchangeable  
Lenses



日本語 使用説明書  
English Instructions  
[www.ianbfoto.com](http://www.ianbfoto.com)

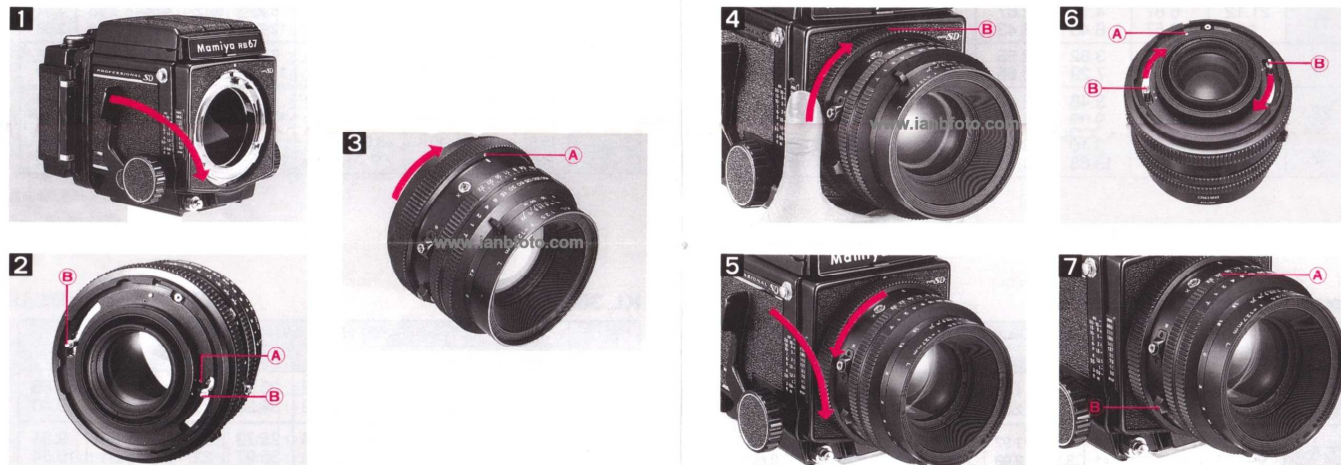


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Printed in Japan



### Features

A wide spectrum of interchangeable lenses are available for the RB. Ranging from the ultra-high performance Apo lenses to the 37mm Fisheye lenses, they ensure sharp 6×7 format photography. Featuring a state-of-the-art Seiko mechanical shutter (1–1/400 sec. and “T” time), all KL lenses have a built-in bulb unit “B”. Some of the lenses like the 90mm, 70mm use Mamiya’s unique floating system to enhance peripheral resolution.

### Using the RB Lens

1. Be sure that the mirror is in the cocked or down position, shielding the film plane from exposure to light. If the mirror is up, cock the mirror by completely pushing the film advance lever down toward the front of the camera (Photo 1).

2. To cock the lens shutter firmly turn the shutter cocking pins (B) with your fingers to the red dots (A) indicating the cocked position (Photo 2).

- If the cocking pins are not completely turned to the red dots, the shutter will only be partially cocked.
- The shutter will always be cocked on a lens that has been removed from the body.

### Cocking the lens shutter

1. Remove the rear lens cap by simply turning the bayonet ring clockwise.

### Mamiya RB Interchangeable Lenses

	Lens	Optical Construction	Angle of View	Diaphragm	Minimum Aperture	Equivalent focal-length for 35mm	Minimum Focusing Distance	Magnification	Area Covered	Filter size	Lens Hood	Dimension Weight
①	Fisheye C 37mm f/4.5	9 elements, 6 groups	180°	Automatic	32	18mm	6.4mm	1.2 x	45 x 56mm	Exclusive for 40.5mm (4 types attached)	—	93 x 112mm 1,240g
②	C 50mm f/4.5	11 elements, 8 groups	81°	Automatic	32	25mm	49mm	0.88 x	63 x 79mm	77mm	Slip-on	73 x 94mm 780g
③	KL 65mm f/4L	9 elements, 8 groups	68°	Automatic	32	32mm	85mm	0.7 x	80 x 100mm	77mm	Slip-on	106 x 97.2mm 1,070g
④	KL 75mm f/3.5L	9 elements, 7 groups	61°	Automatic	32	37mm	125mm	0.61 x	92 x 114mm	77mm	Slip-on	96.4 x 97.2mm 980g
⑤	Shift L 75mm f/4.5S/L	11 elements, 9 groups	61°	Automatic	32	37 mm	114mm	0.6 x	93 x 115mm	105mm	—	145 x 108mm 1,700g
⑥	KL 90mm f/3.5L	8 elements, 7 groups	52°	Automatic	32	44mm	196mm	0.51 x	111 x 138mm	77mm	Screw-in	95 x 97.2mm 960g
⑦	KL 127mm f/3.5L	6 elements, 4 groups	39°	Automatic	32	62mm	408mm	0.36 x	155 x 192mm	77mm	Screw-in	74 x 97.2mm 780g
⑧	Macro KL 140mm f/4.5 M/L-A	7 elements, 4 groups	35°	Automatic	32	68mm	512mm	0.33 x	173 x 214mm	77mm	Screw-in	90 x 97mm 870g
⑨	KL 150mm f/3.5L	6 elements, 4 groups	33°	Automatic	32	74mm	584mm	0.31 x	183 x 227mm	77mm	Screw-in	76 x 97mm 840g
⑩	Soft Focus C 150mm f/4	5 elements, 3 groups	33°	Automatic	32	74mm	615mm	0.30 x	185 x 229mm	77mm	Screw-in	84 x 94mm 790g
⑪	KL 180mm f/4.5L-A	4 elements, 3 groups	28°	Automatic	45	87mm	830mm	0.26 x	217 x 270mm	77mm	Screw-in	112 x 92mm 930g
⑫	KL 210mm f4.5APO/L	7 elements, 5 groups	24°	Automatic	45	102mm	1,155mm	0.22 x	256 x 318mm	77mm	Screw-in	119.1 x 97.2mm 1,020g
⑬	KL 250mm f/4.5L-A	5 elements, 4 groups	20°	Automatic	45	118mm	1,578mm	0.19 x	299 x 371mm	77mm	Screw-in	119 x 94mm 1,130g
⑭	KL 250mm f/4.5APO/L	7 elements, 5 groups	21°	Automatic	45	119mm	1,564mm	0.19 x	298 x 370mm	77mm	Screw-in	137.8 x 97.2mm 1,370g
⑮	KL 350mm f/5.6APO/L	7 elements, 6 groups	15°	Automatic	45	167mm	3,081mm	0.13 x	420 x 521mm	77mm	Screw-in	184.2 x 97.2mm 1,440g
⑯	KL 360mm f/6L	6 elements, 5 groups	14°	Automatic	45	175mm	3,378mm	0.13 x	432 x 536mm	77mm	Screw-in	159 x 97.2mm 1,140g
⑰	C 500mm f/8	6 elements, 6 groups	10°	Automatic	32	238mm	6,150mm	0.09 x	596 x 739mm	105mm	Slip-on	292 x 108mm 1,980g
⑱	L 500mm f/6APO/L	7 elements, 7 groups	10°	Automatic	45	238mm	6,064mm	0.09 x	597 x 740mm	105mm	Slip-on	271.5 x 108mm 2,360g
⑲	Zoom C100-200mm f/5.2W	14 elements, 12 groups	47°~26°	Automatic	45	48-97mm	W 225mm T 894mm	W 0.45 x T 0.24 x	W 126 x 156mm T 237x 294mm	77mm	Slip-on	166 x 108.5mm 1,660g

• The Shift L 75mm f/4.5 S/L lens and L 500mm f/6 APO/L lens are for exclusive use with the Mamiya RB67 Pro-SD.





### Attaching the lens

1. Turn the bayonet ring counterclockwise, and align the white mark (A) on the bayonet ring with the red dot (B) at the center of the lens mount (Photo 8).

To mount the lens, keep the red mark aligned with the red dot (B) on the body; then firmly twist the bayonet ring clockwise (Photo 9).

### Removing the lens

1. Set the mirror and cock the shutter by pushing the cocking lever as far as it will go toward the front of the camera body.

2. Rotate the bayonet ring of the lens counterclockwise as far as it will go (the white dot on the bayonet ring will align with the red dot on the body) and remove the lens (Photo 5).

- If the mirror and the shutter are not cocked, the safety interlock will interfere with the rotation of the bayonet ring and the lens cannot be removed.

If the lens is not to be used for a long time, release the shutter several times.

In order to release the shutter on a lens which has been removed from the camera body, press the shutter cocking pin (A) with your fingers and rotate the cocking pins (B) clockwise until they stop. Never stop the cocking pins halfway (Photo 6).

### Depth-of-field

#### The focusing screen

1. Set the desired aperture by turning the aperture scale ring (A) and then adjust the focus.

2. Depress the depth-of-field preview lever (B) and the depth-of-field can be observed on the ground glass focusing screen (Photo 7).



### Using the depth-of-field scale

1. Turn the distance scale lever and align the figure representing the focused distance with the center index hash mark on the depth-of-field scale.

2. The two distances (on both sides of the center hash mark) opposite the same figures as the actual lens aperture on the depth-of-field scale are the near and far limits of depth for a given distance and lens aperture.

For example, when photographing a subject 5m away with the 127mm lens at an aperture of f/32, objects from about 3 to 12m will be in focus (Photo 10).

### Bulb (B) exposure

Bulb (B) is used to close the shutter when the shutter speed scale is set on Time (T). Press the button on the bulb or insert the cable release after releasing the shutter (Photo 9).

### Time (T) exposure

1. The shutter will remain open indefinitely when the shutter speed scale is set on Time (T).

2. To close the shutter, press the button on the bulb unit.

The shutter can also be closed by turning the shutter speed ring toward the 1 sec. mark.

**CAUTION:**  
To close the shutter, never depress down shutter closing lever.

### The RB67 Body-Lens Interchangeability Table

レンズ Lens ボディ Body	Sekor C	KL	
RB67 Pro-SD	変換マウントリングを装着して使用する。 The lens mount adapter ring should be attached.		
RB67 Pro-S		変換マウントリングを取り外して装着する。 The lens mount adapter ring should be detached.	使用できません。 Cannot be used

### Using the floating mechanism

1. As in the case of ordinary lenses, rotate the focusing knob on the camera body to focus the lens.

- \* Focusing cannot be achieved simply by rotating the floating ring.

2. When the lens has been focused, note the subject distance and then rotate the floating ring (with distance scale), and align the same figure as that on the lens with the center hash mark (white) (Photo 10).

In the photo 10, subject distance is in focus at 3m, and the floating ring has been rotated, thereby aligning the same figure as that on the lens with the center hash mark.

- \* When the floating ring is rotated, part of the lens system moves back and forth; however, changes in the image are difficult to notice, even when one looks into the finder.

3. Before photographing, look into the finder again to make sure that the lens is properly focused.

- \* The focusing distance is the film-to-subject distance.

- \* Read the depth-of-field from the depth-of-field scale on the front lens rim, or press the depth-of-field preview lever and read it on the focusing screen.

**When using lenses with the built-in floating mechanism, be sure to take photographs in the order of ① to ③. Otherwise, peripheral image quality will deteriorate significantly. Be careful!**

### Floating Focusing System

The built-in floating system enables part of the lens system to move back and forth corresponding to the focusing distance so that high contrast and resolution from the center to the periphery of the picture area are guaranteed.

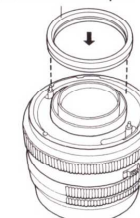
- \* Built into Mamiya KL 90mm f/3.5 and wide-angle lenses. (KL65mm f/4L-KL75mm f/3.5L)

### When using Mamiya Sekor C interchangeable lenses

Since Mamiya Sekor C lenses have a different mount diameter, the lens mounting adapter ring must be used when they are fitted to the RB67 Pro-SD; simply attach the adapter to the rear lens mount.

- The lens mount adapter ring is already attached to the Pro-SD lens rear mount.
- For the lens mount adapter ring use, see the RB67 Body-Lens Interchangeability table below.
- The Sekor C lenses come with the lens mount adapter rings.

Lens Mount Adapter Ring





⑤ Shift  
L75mm f/4.5 S/L



⑫ KL210mm f/4.5 APO/L



⑱ L500mm f/6 APO/L



⑬ KL250mm f/4.5L-A



⑥ KL90mm f/3.5L



⑭ KL250mm f/4.5 APO/L



⑲ Zoom  
C100~200mm f/5.2W



⑦ KL127mm f/3.5L





被写界深度表 Depth-of-field Table

Sekor C 50mm f/4.5

絞り Aperture	距離 Distance (m)									
	∞	10	5	4	3	2.5	2	1.5	1.2	1
4.5	6.22 ∞	3.87 ∞	2.81 24.04	2.47 10.77	2.06 5.61	1.81 4.06	1.54 2.87	1.23 1.92	1.03 1.45	0.88 1.16
5.6	4.96 ∞	3.35 ∞	2.53 ∞	2.25 19.23	1.91 7.25	1.70 4.84	1.46 3.23	1.18 2.08	0.99 1.53	0.85 1.21
8	3.52 ∞	2.63 ∞	2.10 ∞	1.91 ∞	1.66 17.92	1.50 7.97	1.31 4.35	1.08 2.48	0.92 1.73	0.81 1.33
11	2.51 ∞	2.03 ∞	1.70 ∞	1.58 ∞	1.40 ∞	1.29 ∞	1.15 8.65	0.97 3.42	0.85 2.13	0.75 1.55
16	1.79 ∞	1.53 ∞	1.35 ∞	1.27 ∞	1.16 ∞	1.08 ∞	0.98 ∞	0.85 7.49	0.76 3.17	0.68 2.01
22	1.28 ∞	1.15 ∞	1.04 ∞	1.00 ∞	0.93 ∞	0.88 ∞	0.82 ∞	0.73 ∞	0.66 10.90	0.60 3.57
32	0.92 ∞	0.85 ∞	0.80 ∞	0.77 ∞	0.73 ∞	0.70 ∞	0.66 ∞	0.61 ∞	0.56 ∞	0.52 ∞

KL 65mm f/4L

絞り Aperture	距離 Distance (m)									
	∞	10	5	3	2	1.5	1.2	1	0.9	0.8
4	16.15 ∞	6.27 25.56	3.89 7.07	2.58 3.60	1.82 2.23	1.40 1.62	1.14 1.27	0.962 1.042	0.870 0.932	0.778 0.823
5.6	11.47 ∞	5.44 73.94	3.56 8.55	2.44 3.93	1.75 2.34	1.36 1.67	1.12 1.30	0.947 1.061	0.859 0.946	0.770 0.834
8	8.16 ∞	4.59 ∞	3.19 12.23	2.27 4.52	1.67 2.53	1.32 1.75	1.09 1.34	0.927 1.090	0.843 0.967	0.758 0.849
11	5.82 ∞	3.77 ∞	2.79 31.97	2.07 5.76	1.56 2.85	1.25 1.89	1.05 1.42	0.900 1.133	0.822 0.999	0.742 0.871
16	4.17 ∞	3.02 ∞	2.37 ∞	1.84 9.55	1.44 3.48	1.18 2.13	1.00 1.54	0.865 1.201	0.795 1.049	0.721 0.906
22	3.00 ∞	2.37 ∞	1.97 ∞	1.60 238.3	1.29 5.15	1.09 2.61	0.94 1.75	0.822 1.316	0.760 1.130	0.694 0.961
32	2.17 ∞	1.84 ∞	1.60 ∞	1.35 ∞	1.14 17.74	0.98 3.90	0.86 2.20	0.768 1.532	0.716 1.276	0.660 1.056

KL 75mm f/3.5L

絞り Aperture	距離 Distance (m)									
	∞	10	5	3	2	1.5	1.2	1	0.9	0.8
3.5	23.63 ∞	7.11 17.04	4.18 6.24	2.70 3.38	1.87 2.15	1.43 1.58	1.16 1.25	0.973 1.029	0.880 0.922	0.785 0.816
4	21.14 ∞	6.87 18.61	4.10 6.43	2.67 3.43	1.86 2.17	1.42 1.59	1.15 1.25	0.970 1.032	0.877 0.924	0.783 0.818
5.6	15.00 ∞	6.09 29.11	3.82 7.31	2.55 3.66	1.80 2.25	1.39 1.63	1.14 1.27	0.959 1.046	0.868 0.935	0.776 0.825
8	10.65 ∞	5.25 148.5	3.48 9.06	2.41 4.03	1.73 2.38	1.35 1.69	1.11 1.31	0.943 1.067	0.856 0.950	0.767 0.837
11	7.58 ∞	4.40 ∞	3.10 13.82	2.23 4.71	1.64 2.58	1.30 1.79	1.08 1.36	0.921 1.098	0.839 0.974	0.755 0.853
16	5.41 ∞	3.60 ∞	2.69 56.11	2.02 6.22	1.53 2.95	1.24 1.93	1.04 1.44	0.893 1.145	0.817 1.009	0.738 0.878
22	3.87 ∞	2.87 ∞	2.28 ∞	1.78 11.60	1.40 3.70	1.16 2.21	0.98 1.57	0.856 1.221	0.787 1.064	0.716 0.916
32	2.79 ∞	2.24 ∞	1.88 ∞	1.54 ∞	1.26 5.93	1.06 2.78	0.92 1.82	0.810 1.352	0.750 1.155	0.687 0.978

Shift L 75mm f/4.5 S/L

絞り Aperture	距離 Distance (m)									
	∞	10	5	3	2	1.5	1.2	1	0.9	0.8
4.5	18.77 ∞	6.63 20.84	4.02 6.65	2.64 3.49	1.85 2.19	1.42 1.59	1.15 1.25	0.970 1.033	0.877 0.925	0.783 0.818
5.6	15.30 ∞	6.16 27.92	3.85 7.20	2.57 3.62	1.81 2.23	1.40 1.62	1.14 1.27	0.963 1.041	0.872 0.931	0.780 0.822
8	10.88 ∞	5.32 114.67	3.52 8.85	2.43 3.97	1.75 2.35	1.36 1.67	1.12 1.30	0.949 1.059	0.861 0.944	0.772 0.831
11	7.75 ∞	4.48 ∞	3.15 13.17	2.25 4.60	1.66 2.54	1.32 1.76	1.09 1.34	0.929 1.086	0.846 0.964	0.769 0.845
16	5.54 ∞	3.67 ∞	44.32 2.74	2.05 5.98	1.56 2.87	1.26 1.89	1.05 1.41	0.904 1.128	0.826 0.994	0.746 0.866
22	3.98 ∞	2.94 ∞	2.33 ∞	1.82 10.55	1.43 3.55	1.18 2.14	1.00 1.53	0.870 1.194	0.800 1.041	0.727 0.898
32	2.88 ∞	2.31 ∞	1.93 ∞	1.58 ∞	1.29 5.43	1.09 2.64	0.94 1.74	0.828 1.305	0.767 1.118	0.701 0.949



### KL 90mm f/3.5L

絞り Aperture	距離 Distance (m)							
	∞	10	5	3	2	1.5	1.2	1
3.5	34.08 ∞	7.80 13.98	4.40 5.79	2.79 3.25	1.91 2.10	1.45 1.55	1.17 1.23	0.982 1.019
4	30.69 ∞	7.61 14.63	4.35 5.90	2.76 3.28	1.90 2.11	1.45 1.56	1.17 1.23	0.980 1.021
5.6	21.75 ∞	6.93 18.14	4.12 6.37	2.68 3.42	1.86 2.16	1.43 1.58	1.16 1.25	0.972 1.030
8	15.42 ∞	6.16 27.53	3.85 7.20	2.56 3.63	1.81 2.24	1.40 1.62	1.14 1.27	0.961 1.044
11	10.96 ∞	5.33 104.7	3.52 8.84	2.42 3.98	1.74 2.36	1.36 1.68	1.12 1.30	0.945 1.063
16	7.80 ∞	4.48 ∞	3.14 13.09	2.24 4.62	1.65 2.55	1.31 1.77	1.08 1.35	0.925 1.092
22	5.56 ∞	3.66 ∞	2.73 42.24	2.04 6.00	1.55 2.90	1.25 1.91	1.04 1.43	0.897 1.137
32	3.98 ∞	2.93 ∞	2.31 ∞	1.81 10.55	1.42 3.59	1.17 2.16	0.99 1.55	0.862 1.208

### KL 180mm f/4.5L-A

絞り Aperture	距離 Distance (m)									
	∞	20	10	7	5	4	3	2.5	2	1.7
4.5	78.33 ∞	16.01 26.67	8.92 11.39	6.46 7.64	4.73 5.31	3.83 4.19	2.91 3.10	1.96 2.04	1.96 2.04	1.67 1.73
5.6	63.74 ∞	15.31 28.88	8.70 11.76	6.35 7.80	4.67 5.38	3.79 4.23	2.89 3.12	1.95 2.05	1.95 2.05	1.67 1.73
8	45.11 ∞	13.96 35.41	8.26 12.69	6.12 8.19	4.54 5.56	3.71 4.34	2.84 3.18	1.94 2.07	1.94 2.07	1.66 1.75
11	31.93 ∞	12.41 52.09	7.70 14.30	5.81 8.81	4.38 5.83	3.60 4.50	2.78 3.26	1.19 2.10	1.91 2.10	1.64 1.77
16	22.61 ∞	10.73 156.89	7.04 17.41	5.43 9.88	4.17 6.27	3.46 4.75	2.70 3.38	1.87 2.15	1.87 2.15	1.61 1.80
22	16.02 ∞	9.01 ∞	6.27 25.20	4.97 11.93	3.90 7.01	3.28 5.15	2.59 3.57	1.83 2.21	1.83 2.21	1.58 1.84
32	11.36 ∞	7.36 ∞	5.44 69.29	4.45 16.91	3.58 8.42	3.05 5.85	2.46 3.88	1.76 2.31	1.76 2.31	1.54 1.91
45	8.07 ∞	5.85 ∞	4.59 ∞	3.87 41.77	3.20 11.82	2.78 7.26	2.29 4.42	1.68 2.48	1.68 2.48	1.48 2.01

### KL 127mm f/3.5L

絞り Aperture	距離 Distance (m)						
	∞	10	5	3	2	1.5	1.3
3.5	67.28 ∞	8.75 11.68	4.68 5.37	2.89 3.12	1.95 2.05	1.48 1.53	1.28 1.32
4	59.50 ∞	8.61 11.94	4.64 5.42	2.87 3.14	1.95 2.06	1.47 1.53	1.28 1.32
5.6	42.11 ∞	8.14 12.99	4.50 5.62	2.82 3.20	1.93 2.08	1.46 1.54	1.27 1.33
8	29.81 ∞	7.56 14.83	4.33 5.93	2.76 3.29	1.90 2.12	1.45 1.56	1.26 1.34
11	21.12 ∞	6.87 18.57	4.10 6.43	2.67 3.43	1.86 2.17	1.42 1.59	1.25 1.36
16	14.97 ∞	6.09 28.93	3.82 7.29	2.55 3.65	1.80 2.25	1.39 1.62	1.22 1.39
22	10.62 ∞	5.25 140.4	3.48 9.03	2.40 4.02	1.73 2.37	1.36 1.68	1.20 1.43
32	7.55 ∞	4.39 ∞	3.10 13.68	2.22 4.69	1.64 2.57	1.30 1.77	1.16 1.49

### KL 250mm f/4.5L-A

絞り Aperture	距離 Distance (m)									
	∞	50	30	20	15	10	7	5	3	2
4.5	155.0 ∞	37.9 73.5	25.2 37.0	17.8 22.9	13.7 16.5	9.44 10.6	6.73 7.30	4.87 5.14	2.96 3.04	1.98 2.02
5.6	123.0 ∞	35.7 83.6	24.2 39.4	17.3 23.7	13.4 17.0	9.30 10.8	6.66 7.38	4.83 5.18	2.95 3.06	1.98 2.02
8	87.1 ∞	32.0 116.0	22.5 45.3	16.4 25.7	12.9 18.0	9.04 11.2	6.53 7.54	4.77 5.26	2.92 3.08	1.97 2.03
11	61.6 ∞	27.8 257.0	20.3 57.5	15.2 29.2	12.2 19.6	8.69 11.8	6.36 7.80	4.68 5.37	2.89 3.11	1.96 2.04
16	43.7 ∞	23.5 ∞	18.0 93.1	13.9 36.1	11.3 22.4	8.25 12.7	6.12 8.19	4.56 5.55	2.85 3.16	1.94 2.06
22	30.9 ∞	19.3 ∞	15.4 ∞	12.3 54.4	10.3 28.2	7.70 14.4	5.82 8.81	4.40 5.81	2.80 3.24	1.92 2.09
32	22.0 ∞	15.4 ∞	12.9 ∞	10.7 195.0	9.09 44.7	7.03 17.6	5.45 9.88	4.19 6.23	2.72 3.35	1.89 2.12
45	15.6 ∞	12.0 ∞	10.4 ∞	8.95 ∞	7.84 ∞	6.28 25.8	5.00 11.9	3.93 6.96	2.62 3.52	1.85 2.18



### KL210mm f/4.5 APO/L

絞り Aperture	距離 Distance (m)									
	∞	30	15	10	7	5	4	3	2.5	2.3
4.5	∞	37.81	16.69	10.71	7.33	5.16	4.10	3.05	2.53	2.33
	142.84	24.87	13.62	9.38	6.70	4.85	3.91	2.95	2.47	2.27
5.6	∞	40.36	17.16	10.90	7.42	5.20	4.12	3.06	2.54	2.34
	114.91	23.88	13.33	9.24	6.63	4.81	3.88	2.94	2.46	2.27
8	∞	47.12	18.25	11.32	7.60	5.29	4.18	3.09	2.56	2.35
	81.30	22.02	12.74	8.96	6.49	4.74	3.84	2.91	2.44	2.25
11	∞	61.75	20.06	11.97	7.89	5.42	4.25	3.13	2.59	2.37
	57.52	19.84	11.99	8.59	6.30	4.64	3.77	2.88	2.42	2.24
16	∞	110.22	23.33	13.04	8.32	5.62	4.37	3.19	2.62	2.40
	40.71	17.41	11.07	8.12	6.04	4.51	3.69	2.83	2.39	2.20
22	∞	∞	30.33	14.93	9.04	5.92	4.55	3.28	2.68	2.44
	28.83	14.84	9.99	7.53	5.72	4.33	3.57	2.77	2.34	2.17
32	∞	∞	52.86	18.80	10.28	6.41	4.82	3.41	2.76	2.51
	20.42	12.29	8.79	6.84	5.32	4.11	3.42	2.68	2.28	2.12
45	∞	∞	∞	29.75	12.74	7.27	5.27	3.62	2.89	2.61
	14.48	9.89	7.51	6.05	4.85	3.83	3.23	2.57	2.21	2.05

### KL350mm f/5.6 APO/L

絞り Aperture	距離 Distance (m)										
	∞	50	20	15	12	10	8	7	6	5	4.5
5.6	∞	59.44	21.32	15.72	12.45	10.30	8.19	7.14	6.10	5.07	4.55
	309.53	43.15	18.84	14.35	11.58	9.71	7.82	6.86	5.90	4.93	4.45
8	∞	64.48	21.92	16.04	12.64	10.44	8.27	7.20	6.14	5.10	4.58
	218.89	40.83	18.39	14.09	11.42	9.60	7.75	6.81	5.86	4.91	4.43
11	∞	73.28	22.82	16.51	12.93	10.63	8.39	7.29	6.20	5.14	4.61
	154.80	37.95	17.80	13.75	11.20	9.44	7.65	6.73	5.81	4.87	4.40
16	∞	90.81	24.24	17.23	13.36	10.91	8.56	7.41	6.29	5.19	4.65
	109.48	34.51	17.03	13.29	10.89	9.23	7.51	6.63	5.73	4.82	4.36
22	∞	137.25	26.58	18.35	14.02	11.34	8.81	7.60	6.42	5.28	4.72
	77.44	30.59	16.04	12.69	10.49	8.95	7.33	6.49	5.63	4.75	4.30
32	∞	496.94	30.78	20.23	15.07	12.00	9.20	7.88	6.62	5.41	4.82
	54.78	26.36	14.82	11.93	9.97	8.57	7.08	6.30	5.49	4.65	4.22
45	∞	∞	39.64	23.66	16.84	13.09	9.81	8.32	6.91	5.59	4.96
	38.75	22.05	13.39	10.99	9.32	8.10	6.76	6.05	5.30	4.52	4.12

### KL250mm f/4.5 APO/L

絞り Aperture	距離 Distance (m)										
	∞	30	15	10	7	6	5	4.5	4	3.5	3
4.5	∞	35.40	16.21	10.51	7.24	6.17	5.12	4.59	4.07	3.55	3.04
	192.81	26.03	13.96	9.54	6.78	5.84	4.89	4.41	3.93	3.45	2.96
5.6	∞	36.96	16.52	10.64	7.30	6.21	5.14	4.61	4.08	3.57	3.05
	156.14	25.25	13.74	9.43	6.73	5.80	4.86	4.39	3.92	3.44	2.96
8	∞	40.90	17.25	10.93	7.43	6.31	5.21	4.66	4.13	3.59	3.07
	110.44	23.70	13.27	9.22	6.62	5.72	4.81	4.35	3.88	3.41	2.94
11	∞	48.16	18.39	11.37	7.62	6.44	5.30	4.73	4.18	3.63	3.09
	78.12	21.80	12.67	8.93	6.47	5.61	4.74	4.29	3.83	3.38	2.91
16	∞	64.33	20.30	12.05	7.92	6.65	5.43	4.84	4.26	3.69	3.13
	55.27	19.59	11.90	8.55	6.28	5.47	4.63	4.21	3.77	3.33	2.88
22	∞	122.60	23.79	13.17	8.37	6.96	5.63	5.00	4.38	3.78	3.19
	39.12	17.13	10.97	8.07	6.02	5.28	4.50	4.10	3.68	3.26	2.83
32	∞	∞	31.47	15.18	9.11	7.46	5.94	5.24	4.56	3.91	3.28
	27.69	14.56	9.87	7.47	5.69	5.03	4.32	3.95	3.57	3.17	2.76
45	∞	∞	57.99	19.36	10.42	8.30	6.45	5.62	4.84	4.11	3.41
	19.61	12.01	8.66	6.77	5.28	4.71	4.09	3.76	3.41	3.05	2.68

### L500mm f/6 APO/L

絞り Aperture	距離 Distance (m)									
	∞	100	50	30	20	17	15	12	11	10
6	∞	120.51	54.59	31.57	20.67	17.48	15.37	12.23	11.19	10.15
	580.53	85.45	46.12	28.58	19.37	16.55	14.65	11.78	10.82	9.85
8	∞	128.85	56.22	32.10	20.89	17.63	15.48	12.30	11.25	10.20
	441.35	81.70	45.02	28.16	19.18	16.41	14.54	11.71	10.76	9.80
11	∞	146.33	59.27	33.05	21.28	17.91	15.69	12.43	11.36	10.29
	312.05	75.94	43.23	27.46	18.86	16.18	14.36	11.60	10.66	9.73
16	∞	181.07	64.21	34.51	21.87	18.31	16.00	12.62	11.51	10.42
	220.63	69.06	40.94	26.53	18.43	15.86	14.12	11.44	10.53	9.62
22	∞	272.52	72.76	36.80	22.74	18.92	16.46	12.89	11.73	10.60
	155.98	61.21	38.08	25.32	17.85	15.43	13.78	11.22	10.34	9.47
32	∞	952.98	89.66	40.61	24.11	19.84	17.15	13.30	12.07	10.87
	110.27	52.73	34.65	23.78	17.08	14.87	13.33	10.93	10.10	9.26
45	∞	∞	133.46	47.56	26.36	21.32	18.23	13.93	12.58	11.27
	77.94	44.09	30.74	21.90	16.11	14.13	12.74	10.54	9.77	8.99