

M Series Object-Side Telecentric lenses

LS-M-OBJECT-SIDE series · Telecentric lenses · 99 models



Excellent image quality with an optimized fixed-magnification design Supports cameras up to 2/3"

Features

- Excellent image quality with an optimized fixed-magnification design
- Supports cameras up to 2/3"

Common specifications

Image size	Φ11 mm
Connector type	C-Mount

Models

Model	Magnification	Working distance	F-number	Depth of field	Object-side resolution	Coaxial light	Dimension
LS-MY-10-108C	10	108 mm	F48	0.04 mm	3.4 μm	Supported	228.2 mm × Φ32 mm
LS-MY-8-108	8	108 mm	F38.3	0.05 mm	3.4 μm	Not supported	198.5 mm × Φ32 mm
LS-MY-8-108C	8	108 mm	F38.3	0.05 mm	3.4 μm	Supported	196.6 mm × Φ32 mm
LS-MY-8-63C	8	63 mm	F31.3	0.04 mm	2.7 μm	Supported	179.9 mm × Φ28 mm
LS-MY-75-65C	7.5	65 mm	F32	0.05 mm	2.9 μm	Supported	132.4 mm × Φ26 mm
LS-MY-4-110-MP	4	110±2 mm	F22	0.11 mm	3.7 μm	No	Φ30 mm × 110.2 mm
LS-MY-5-108	5	108 mm	F22.4	0.1 mm	3 μm	Not supported	149.1 mm × Φ32 mm
LS-MY-4-108C	4	108 mm	F19.4	0.1 mm	3.4 μm	Supported	135.4 mm × Φ32 mm
LS-MY-4-63	4	63 mm	F15.8	0.1 mm	2.7 μm	Not supported	124.4 mm × Φ28 mm

LS-MY-4-63C	4	63 mm	F15.8	0.1 mm	2.7 µm	Supported	128.9 mm × Φ28 mm
LS-MY-4-108	4	108 mm	F20.0	0.1 mm	3.4 µm	Not supported	133.2 mm × Φ32 mm
LS-MY-2-110C-MP	2	110±2 mm	F13.6	0.27 mm	4.5 µm	Supported	Φ30 mm × 133.0 mm
LS-MY-2-110-MP	2	110±2 mm	F13.6	0.27 mm	4.5 µm	No	Φ30 mm × 130.5 mm
LS-MY-2-110-V4-G	2	110 mm	F11.6-32	0.2-0.6 mm	4.2-11.5 µm	Not supported	128.7 mm × Φ30 mm
LS-MY-2-110-V4	2	110 mm	F11.7	0.2 mm	3.9 µm	Not supported	128.7 mm × Φ30 mm
LS-MY-3-108	3	108 mm	F15	0.13 mm	3.4 µm	Not supported	117.9 mm × Φ32 mm
LS-MY-3-63	3	63 mm	F11.9	0.1 mm	2.7 µm	Not supported	111.7 mm × Φ28 mm
LS-MY-2-108C	2	108 mm	F10.5	0.2 mm	3.5 µm	Supported	132.6 mm × Φ32 mm
LS-MY-2-108	2	108 mm	F10.5	0.2 mm	3.5 µm	Not supported	129.9 mm × Φ32 mm
LS-MY-15-108	1.5	108 mm	F7.3	0.3 mm	3.9 µm	Not supported	122.4 mm × Φ32 mm
LS-MY-15-108C	1.5	108 mm	F7.3	0.3 mm	3.9 µm	Supported	126.1 mm × Φ32 mm
LS-MY-15-200	1.5	200 mm	F15.8	0.6 mm	7.1 µm	Not supported	144 mm × Φ35 mm
LS-MY-15-63C	1.5	63 mm	F7.5	0.3 mm	3.4 µm	Supported	111 mm × Φ28 mm
LS-MY-1-180	1	180 mm	F11	0.9 mm	7.4 µm	Not supported	136.6 mm × Φ35 mm
LS-MY-1-150	1	150 mm	F11	0.9 mm	8.9 µm	Not supported	166.6 mm × Φ35 mm
LS-MY-1-410C	1	410 mm	F17.9	1.4 mm	12.3 µm	Supported	182.2 mm × Φ26 mm
LS-MY-1-370	1	370 mm	F12	1 mm	8.1 µm	Not supported	173.9 mm × Φ46 mm
LS-MY-1-510	1	510 mm	F25.7	2.1 mm	17 µm	Not supported	175 mm × Φ26 mm
LS-MY-1-300-V2	1	300 mm	F11	0.9 mm	7.4 µm	Not supported	179.5 mm × Φ46 mm
LS-MY-2-63	2	63 mm	F10	0.2 mm	3.4 µm	Not supported	117.2 mm × Φ28 mm
LS-MY-2-63C	2	63 mm	F10	0.2 mm	3.4 µm	Supported	117.2 mm × Φ28 mm
LS-MY-08-130C-MP	0.8	130±2 mm	F11.2	1.4 mm	9.4 µm	Supported	Φ28 mm × 121.4 mm
LS-MY-08-130-MP	0.8	130±2 mm	F11.2	1.4 mm	9.4 µm	Not supported	Φ28 mm × 117.1 mm
LS-MY-08-65-MP	0.8	65±2 mm	F10	1.25 mm	8.4 µm	Not supported	Φ26 mm × 89.7 mm
LS-MY-1-110C-MP	1	110±2 mm	F11	0.88 mm	7.4 µm	Supported	Φ30 mm × 130.4 mm

LS-MY-05-110-MP	0.5	110±2 mm	F9.3	2.98 mm	12 µm	Not supported	Φ35 mm × 120.5 mm
LS-MY-05-110C-G	0.5	110 mm	F9.6 ~ F25.7	2~9 mm	12.9 µm	Supported	135.2 mm × Φ34 mm
LS-MY-05-110G	0.5	110 mm	F9.6 ~ F25.7	2.0~9.0 mm	12.9 µm	Not supported	135.2 mm × Φ34 mm
LS-MY-05-150	0.5	150 mm	F13.4	4.3 mm	18.2 µm	Not supported	107.4 mm × Φ28 mm
LS-MY-05-110-V3	0.5	110 mm	F9.6	±1.5 mm @F9.6	12.9 µm	Not supported	137.1 mm × Φ35 mm
LS-MY-05-110C-V3	0.5	110 mm	F9.6	±1.5 mm @F9.6	12.9 µm	Supported	130.6 mm × Φ35 mm
LS-MT-05-110	0.5	110 mm	F7	±1.1 mm @F7	7.2 µm	Not supported	127.3 mm × Φ36 mm
LS-MY-027-120-MP	0.27	120±2 mm	F14.3	15.7 mm	35.7 µm	Not supported	Φ28 mm×43.7 mm
LS-MY-03-110C-V3	0.3	110 mm	F9	±4 mm @F9	20.1 µm	Supported	132.5 mm × Φ48 mm
LS-MY-03-110-V3	0.3	110 mm	F9	±4 mm @F9	20.1 µm	Not supported	132.5 mm × Φ48 mm
LS-MY-07-108	0.7	108 mm	F7	1.1 mm	6.7 µm	Not supported	83.2 mm × Φ32 mm
LS-MT-03-180	0.3	180 mm	F10	±4.4 mm @F10	20.8 µm	Not supported	166.3 mm × Φ52 mm
LS-MT-03-110	0.3	110 mm	F5.6	±2.5 mm @F5.6	9.8 µm	Not supported	118 mm × Φ56 mm
LS-MT-03-110-G	0.3	110 mm	F5.6-32	5-28.4 mm	12.5-71.4 µm	Not supported	122.5 mm × Φ56 mm
LS-MT-04-110	0.4	110 ± 2 mm	F7	±1.8 mm @F7	8.9 µm	Not supported	140.2 mm × Φ44 mm
LS-MT-03-220	0.3	220 mm	F13.6	±6 mm @F13.6	26.5 µm	Not supported	167.7 mm × Φ52 mm
LS-MY-045-135C-MP	0.45	135±2 mm	F15.8	6.24 mm	23 µm	Supported	Φ34 mm × 123.8 mm
LS-MY-045-135	0.45	135 mm	F15.3	6 mm	22.9 µm	Not supported	123.8 mm × Φ34 mm
LS-MY-022-235	0.22	235 mm	F14.1	23.3 mm	42.8 µm	Not supported	81.5 mm × Φ29 mm
LS-MT-022-200	0.22	200 mm	F10	±8.3 mm @F10	28.5 µm	Not supported	150 mm × Φ72 mm
LS-MY-04-65	0.4	65 mm	F14.4	7.2 mm	24.1 µm	Not supported	90 mm × Φ29 mm
LS-MY-02-140	0.2	140 mm	F14.4	28.8 mm	47.9 µm	Not supported	25.3 mm × Φ28 mm
LS-MY-022-135	0.22	135 mm	F11.9	19.7 mm	36.1 µm	Not supported	66.5 mm × Φ30 mm
LS-MY-0349-97	0.349	96.9 mm	F9	5.9 mm	18.5 µm	Not supported	162.4 mm × Φ48 mm
LS-MT-0348-135	0.348	135 mm	F8	±2.6 mm @F8	11.5 µm	Not supported	136.7 mm × Φ43 mm

More values per model (Distortion, Object-side telecentricity, Temperature, Certification, Optical distortion, Weight) are on each product page.

Technical drawing of the optical bench assembly. The drawing shows a side view of the assembly with various components labeled. The main components are the Object, Lens, and C-Mount. The drawing includes dimensions for the overall length (228.2), the distance from the Object to the Lens (73.5), the distance from the Lens to the C-Mount (17.596), and the distance from the Object to the C-Mount (108). The drawing also shows the thickness of the Object (6.35), the thickness of the Lens (6.35), and the thickness of the C-Mount (8.0). The drawing is a technical drawing of the optical bench assembly.