

Telecentric lens series (S18)

LS-TCL-S18 series · Telecentric lenses · 47 models

Working distance 56 mm; depth of field 0.1 mm.
Rendered illustration: the actual product may differ in appearance.



Common specifications

Distortion maximum (%)	< 0.1
Lens type	Telecentric
Operating temperature range	0 to 40°C
Storage temperature range	0 to 50°C
Telecentricity maximum	0.10°

Models

Model	Mount	Dimensions approximate	Distortion typical (%)	FOV @ 1.1"	FOV @ 1"	Fov @ 4/3"	Front diameter
LS-TCL-0290	C-mount	155.2 x 28 x 28 mm	< 0.08	3.54 x 2.59 mm	3.55 x 1.88 mm	4.73 x 2.65 mm	28 mm
LS-TCL-0291	F-mount	126.2 x 28 x 28 mm	< 0.08	3.54 x 2.59 mm	3.55 x 1.88 mm	4.73 x 2.65 mm	28 mm
LS-TCL-0292	M42-mount	160.7 x 28 x 28 mm	< 0.08	3.54 x 2.59 mm	3.55 x 1.88 mm	4.73 x 2.65 mm	28 mm
LS-TCL-0293	C-mount	134.2 x 28 x 28 mm	< 0.08	5.31 x 3.89 mm	5.32 x 2.82 mm	7.10 x 3.98 mm	28 mm
LS-TCL-0294	F-mount	105.2 x 28 x 28 mm	< 0.08	5.31 x 3.89 mm	5.32 x 2.82 mm	7.10 x 3.98 mm	28 mm
LS-TCL-0295	M42-mount	139.7 x 28 x 28 mm	< 0.08	5.31 x 3.89 mm	5.32 x 2.82 mm	7.10 x 3.98 mm	28 mm

Model	Mount	Dimensions approximate	Distortion typical (%)	FOV @ 1.1"	FOV @ 1"	Fov @ 4/3"	Front diameter
LS-TCL-0296	C-mount	111.6 x 28 x 28 mm	< 0.08	7.08 x 5.19 mm	7.10 x 3.76 mm	9.47 x 5.31 mm	28 mm
LS-TCL-0297	F-mount	82.6 x 28 x 28 mm	< 0.08	7.08 x 5.19 mm	7.10 x 3.76 mm	9.47 x 5.31 mm	28 mm
LS-TCL-0298	M42-mount	117.1 x 28 x 28 mm	< 0.08	7.08 x 5.19 mm	7.10 x 3.76 mm	9.47 x 5.31 mm	28 mm
LS-TCL-0299	C-mount	169.2 x 37. x 37.7 mm	< 0.05	13.43 x 9.84 mm	13.46 x 7.13 mm	17.96 x 10.07 mm	37.7 mm
LS-TCL-0300	F-mount	140.3 x 37. x 37.7 mm	< 0.05	13.43 x 9.84 mm	13.46 x 7.13 mm	17.96 x 10.07 mm	37.7 mm
LS-TCL-0301	M42-mount	174.8 x 37. x 37.7 mm	< 0.05	13.43 x 9.84 mm	13.46 x 7.13 mm	17.96 x 10.07 mm	37.7 mm
LS-TCL-0302	C-mount	194.3 x 44 x 44 mm	< 0.05	20.26 x 14.84 mm	20.3 x 10.74 mm	27.08 x 15.18 mm	44 mm
LS-TCL-0303	F-mount	165 x 44 x 44 mm	< 0.05	20.26 x 14.84 mm	20.3 x 10.74 mm	27.08 x 15.18 mm	44 mm
LS-TCL-0304	M42-mount	199.9 x 44 x 44 mm	< 0.05	20.26 x 14.84 mm	20.3 x 10.74 mm	27.08 x 15.18 mm	44 mm
LS-TCL-0305	C-mount	221.7 x 61 x 61 mm	< 0.06	29.14 x 21.34 mm	29.2 x 15.45 mm	38.95 x 21.83 mm	61 mm
LS-TCL-0306	F-mount	192.6 x 61 x 61 mm	< 0.06	29.14 x 21.34 mm	29.2 x 15.45 mm	38.95 x 21.83 mm	61 mm
LS-TCL-0307	M42-mount	227.2 x 61 x 61 mm	< 0.06	29.14 x 21.34 mm	29.2 x 15.45 mm	38.95 x 21.83 mm	61 mm
LS-TCL-0308	C-mount	244.2 x 75 x 75 mm	< 0.05	38.69 x 28.33 mm	38.77 x 20.52 mm	51.72 x 28.99 mm	75 mm
LS-TCL-0309	F-mount	215.2 x 75 x 75 mm	< 0.05	38.69 x 28.33 mm	38.77 x 20.52 mm	51.72 x 28.99 mm	75 mm
LS-TCL-0310	M42-mount	249.7 x 75 x 75 mm	< 0.05	38.69 x 28.33 mm	38.77 x 20.52 mm	51.72 x 28.99 mm	75 mm
LS-TCL-0311	C-mount	267.6 x 80 x 80 mm	< 0.07	45.24 x 33.13 mm	45.34 x 23.99 mm	60.48 x 33.90 mm	80 mm
LS-TCL-0312	F-mount	238.6 x 80 x 80 mm	< 0.07	45.24 x 33.13 mm	45.34 x 23.99 mm	60.48 x 33.9 mm	80 mm
LS-TCL-0313	M42-mount	273.1 x 80 x 80 mm	< 0.07	45.24 x 33.13 mm	45.34 x 23.99 mm	60.48 x 33.9 mm	80 mm
LS-TCL-0314	C-mount	288.7 x 100 x 100 mm	< 0.08	51.68 x 37.85 mm	51.79 x 27.41 mm	69.09 x 38.72 mm	100 mm
LS-TCL-0315	F-mount	259.7 x 100 x 100 mm	< 0.08	51.68 x 37.85 mm	51.79 x 27.41 mm	69.09 x 38.72 mm	100 mm
LS-TCL-0316	M42-mount	294.2 x 100 x 100 mm	< 0.08	51.68 x 37.85 mm	51.79 x 27.41 mm	69.09 x 38.72 mm	100 mm
LS-TCL-0317	C-mount	334.5 x 116 x 116 mm	< 0.08	64.36 x 47.14 mm	64.50 x 34.14 mm	86.05 x 48.23 mm	116 mm
LS-TCL-0318	F-mount	305.5 x 116 x 116 mm	< 0.08	64.36 x 47.14 mm	64.50 x 34.14 mm	86.05 x 48.23 mm	116 mm
LS-TCL-0319	M42-mount	340 x 116 x 116 mm	< 0.08	64.36 x 47.14 mm	64.50 x 34.14 mm	86.05 x 48.23 mm	116 mm

Model	Mount	Dimensions approximate	Distortion typical (%)	FOV @ 1.1"	FOV @ 1"	Fov @ 4/3"	Front diameter
LS-TCL-0320	C-mount	374.7 x 143 x 143 mm	< 0.04	76.54 x 56.05 mm	76.70 x 40.59 mm	102.32 x 57.35 mm	143 mm
LS-TCL-0321	F-mount	345.7 x 143 x 143 mm	< 0.04	76.54 x 56.05 mm	76.70 x 40.59 mm	102.32 x 57.35 mm	143 mm
LS-TCL-0322	M42-mount	380.2 x 143 x 143 mm	< 0.04	76.54 x 56.05 mm	76.70 x 40.59 mm	102.32 x 57.35 mm	143 mm
LS-TCL-0323	C-mount	461.1 x 180 x 180 mm	< 0.05	99.02 x 72.52 mm	99.23 x 52.52 mm	132.38 x 74.20 mm	180 mm
LS-TCL-0324	F-mount	432.1 x 180 x 180 mm	< 0.05	99.02 x 72.52 mm	99.23 x 52.52 mm	132.38 x 74.20 mm	180 mm
LS-TCL-0325	M42-mount	466.6 x 180 x 180 mm	< 0.05	99.02 x 72.52 mm	99.23 x 52.52 mm	132.38 x 74.20 mm	180 mm
LS-TCL-0326	C-mount	520.5 x 200 x 200 mm	< 0.08	116.07 x 85 mm	116.31 x 61.56 mm	155.16 x 86.97 mm	200 mm
LS-TCL-0327	F-mount	491.6 x 200 x 200 mm	< 0.08	116.07 x 85 mm	116.31 x 61.56 mm	155.16 x 86.97 mm	200 mm
LS-TCL-0328	M42-mount	526.1 x 200 x 200 mm	< 0.08	116.07 x 85 mm	116.31 x 61.56 mm	155.16 x 86.97 mm	200 mm
LS-TCL-0329	C-mount	661 x 260 x 260 mm	< 0.08	155.60 x 113.96 mm	155.93 x 82.53 mm	208.02 x 116.59 mm	260 mm
LS-TCL-0330	F-mount	632 x 260 x 260 mm	< 0.08	155.60 x 113.96 mm	155.93 x 82.53 mm	208.02 x 116.59 mm	260 mm
LS-TCL-0331	M42-mount	666.5 x 260 x 260 mm	< 0.08	155.60 x 113.96 mm	155.93 x 82.53 mm	208.02 x 116.59 mm	260 mm
LS-TCL-0332	C-mount	813.2 x 322 x 322 mm	< 0.04	193.97 x 142.05 mm	194.38 x 102.88 mm	259.32 x 145.34 mm	322 mm
LS-TCL-0334	M42-mount	818.7 x 322 x 322 mm	< 0.04	193.97 x 142.05 mm	194.38 x 102.88 mm	259.32 x 145.34 mm	322 mm
LS-TCL-0335	C-mount	970.4 x 417 x 417 mm	< 0.07	240.00 x 175.76 mm	240.51 x 127.29 mm	320.85 x 179.83 mm	417 mm
LS-TCL-0336	F-mount	941.4 x 417 x 417 mm	< 0.07	240.00 x 175.76 mm	240.51 x 127.29 mm	320.85 x 179.83 mm	417 mm
LS-TCL-0337	M42-mount	975.9 x 417 x 417 mm	< 0.07	240.00 x 175.76 mm	240.51 x 127.29 mm	320.85 x 179.83 mm	417 mm

More values per model (Magnification, Working distance, Sensor format, Depth of field, Filter thread, Image circle, Resolution (pixel size), Telecentricity typical, Working f/n, Weight, Clear aperture, Dimensions (dia. x length, mm)...) are on each product page.

Product views

