

F85 Standard Lens Specifications

Lens Description, Part Number & Throw Ratio:-

Focus, Zoom (where applicable) and Iris (where applicable) adjustment on all lens options is motorised.

Projector Model	Lens Part Number	Lens Description	Lens Additional Description
F85	R9801219	Ultra Wide Angle Fixed (EN22)	0.80:1 (SX+) 0.74:1 (1080 / WUXGA)
	R9801294	Ultra Wide Angle Zoom (EN29)	1.03-1.32:1 (SX+) 0.95-1.22:1 (1080 / WUXGA)
	R9801229	Wide Angle Zoom (EN23)	1.34-1.87:1 (SX+) 1.20-1.70:1 (1080 / WUXGA)
	R9801215	Standard Zoom (EN21)	1.84-2.76:1 (SX+) 1.70-2.55:1 (1080 / WUXGA)
	R9801210	Short Tele Zoom (EN24)	2.78-4.45:1 (SX+) 2.50-4.00:1 (1080 / WUXGA)
	R9801250	Long Tele Zoom (EN26)	4.30-6.89:1 (SX+) 3.90-6.24:1 (1080 / WUXGA)

Lens Shift Parameters:-

Lens Shift values provided assume 0% is on axis, that 100% shift equals half of image height / width.

Resolution / Axis	EN22	EN29	EN23	EN21	EN24	EN26
1080 Vertical Horizontal	+/- 10% +/- 6%	-10~+144% +/- 60%	-10~+148% +/- 78%	-10~+148% +/- 78%	-10~+148% +/- 78%	-10~+148% +/- 78%
WUXGA Vertical Horizontal	-10~ +6% +/- 4%	-10~+120% +/- 60%	-10~+134% +/- 68%	-10~+134% +/- 68%	-10~+134% +/- 68%	-10~+134% +/- 68%

Sales Support - Projection

Lens Weight:-

Parameter	EN22	EN29	EN23	EN21	EN24	EN26
Weight (kg)	4.40	4.50	3.90	2.80	2.90	3.60

Lens optical performance characteristics:-

Parameter	EN22	EN29	EN23	EN21	EN24	EN26
Working F#	2.5	2.6-2.72	2.5-2.86	2.6-2.81	2.6-3.13	2.6-3.4
Iris / Iris F#	Yes 2.5-7.0	No -	Yes 2.5-7.0	Yes 2.6-7.0	Yes 2.6-7.0	Yes 2.6-7.0
Zoom Ratio	-	1.283	1.4	1.5	1.6	1.6
Focal Length (mm)	16.06	20.20-25.92	25.69-35.98	36.04-54.04	53.3-85.3	82.55-132.0
Focus Range (M)	0.7-5.7	1.0-10	1.8-15	1.9-20	5.0-20	5.0-25
MTF	46 lp/mm	50 lp/mm	46 lp/mm	48 lp/mm	46 lp/mm	50 lp/mm

Pre-determined custom Focus Range adjustment is available on all lens options. Please refer to the Sales Support - Projection F Series Lens Focus Range Matrix document for further details.

Lateral Colour and Optical Distortion information is available upon request.

Disclaimer

Values subject to change without notice.

Tolerances are typically +/- 5% due to optical variation.