



FOREWARD

Thank you for purchasing a HOYA Super Enlarging Lens. This is a high performance optical lens which has been specially developed for enlarging work. Before using it, be sure to read this manual.

HOW TO USE

This lens employs a 39 mm diameter, P = 1/26" screw mount. It can be fitted to enlargers having the same size mount by holding its mounting ring and screwing it clockwise onto the enlarger mount as far as it will go.

- Next, open up the aperture to facilitate focusing, then once focussing is completed, reduce the aperture by two or three stops to ensure a sharp, clear image.
- To remove the lens from the enlarger, hold the mounting ring and rotate it counterclockwise until it comes off.

SPECIFICATIONS

	EL-40mm	EL-50mm	EL-60mm	EL-75mm	EL-90mm	EL-105mm	EL-135mm
Focal Length (mm)	40.0	50.1	60.0	74.8	90.0	105.0	135.0
Aperture (f)	3.5-16	2.8-16	4.0-22	4.5-22	5.6-32	5.6-45	5.6-45
Lens Construction	4-6	4-6	4-8	4-6	4-6	4-6	4-6
Negative Format (inch)	1x1.5	1x1.5	2.25x2.25	2.25x2.25	2.25x2.75	2.25x3.25	4x5
(mm)	24x36	24x36	57x57	57x57	57x84	65x90	90x120
Standard Magnification	8x	8x	5x	5x	5x	5x	5x
Optimum Magnification	2x-10x	2x-20x	2x-10x	2x-10x	2x-10x	2x-10x	2x-10x
Angle of View (°)	56°	46°30'	67°	56°40'	60°	56°	58°
Circle of Coverage (dia.) (mm)	43.2	43.2	80.6	80.6	101.5	111.0	150.0
Corrected Wavelength (nm)	370-700	370-700	380-700	370-700	370-700	370-700	380-700
Mount (dia.x pitch) (mm x inch)	39x1/26	39x1/26	39x1/26	39x1/26	39x1/26	39x1/26	39x1/26
Attachment Size (dia. x pitch) (mm)	40.5x0.5	40.5x0.5	43.0x0.75	40.5x0.5	40.5x0.5	40.5x0.5	40.5x0.5
Diameter x Length (mm)	49φx38.5	49φx38	49φx61.5	49φx36	49φx38	49φx42.5	49φx49
Weight (g)	85	100	160	100	107	120	160

DARKROOM APPLICATION

Open the lens to its widest aperture for maximum brightness to compose and focus image on easel. Before exposing paper stop the lens down by two or three stops.

This will ensure the optimum resolution image, as well as correcting any focusing errors in the corners of the picture.

LENS CARE

- Keep the lens surfaces free of dust and fingerprints to prevent deterioration of image sharpness. Remove dust with a soft brush — do not use a cloth or tissue. Wipe off stubborn smudges with a lens tissue moistened with alcohol or a lens cleaner.
- After use, remove the lens from the enlarger and store it in its plastic case with a desiccant or in a dry place away from the darkroom chemicals.

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