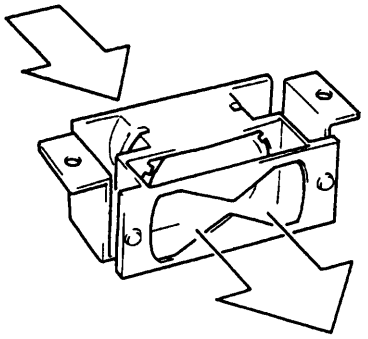
9-4. Intensity Correction

(1) Because of the nature of the Lens, the intensity of the Exposure Lamp light after passing through the Lens tends to be higher at the center and lower towards both ends. To solve this problem, there is a Lens Aperture Cover installed at the back of the Lens. It limits the amount of light at the center to ensure that an even amount of light strikes the surface of the PC Drum.



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(2) When a zoom ratio is large, it results in the intensity of light striking the surface of the PC Drum decreasing. To correct the varying intensity of the light striking the surface of the PC Drum in different zoom ratios, the Lamp voltage is increased according to the set zoom ratio in the Manual Exposure mode and a correction is made for the AE Sensor input voltage to increase the Lamp voltage in the Auto Exposure mode.

Zoom Range	Manual Exposure Correction Coefficient	Auto Exposure Correction Coefficient
	Lamp Voltage (V)	Equivalent Lamp Voltage (V)
0.500~0.549	+2	+2
0.550~0.949	+1	+1
0.950~1.099	±0	±0
1.100~1.399	+1	+1
1.400~1.749	+2	+2
1.750~2.000	+4	+4