

7.5.3 Collimator

Item		Description	
Max. voltage used for applicable X-ray tube		150 kV	
Irradiation field (SID 110 cm)	Without C-leaves and independent H mask (option)	Max. rectangular irradiation field: 523×523 mm Min. rectangular irradiation field: 0×0 mm	
	With C-leaves and independent H mask (option)	Max. rectangular irradiation field: 495×495 mm Min. rectangular irradiation field: 0×0 mm (Independent H mask can block a half of irradiation field, either on the right or on the left of the horizontal center of X-ray irradiation.) Min. polygonal irradiation field: ϕ 118 mm (Diameter of circle inscribed in C-leaves)	
Lighting field	Average illumination	160 lx or more (when SID is 100 cm)	
	Illumination duration	Continuously for 30 seconds (automatically turns off)	
	Lamp model	Halogen lamp (JM 12V 106W 5H) or LED lamp	
	Adjustment mechanism	Provided	
	Discrepancy between lighting field and actual irradiation field	Within 2 % of the SID (adjusted on shipment from the factory)	
Filtration	Inherent filtration		1.1 mm Al (70 kV HVL 2.5 mm Al). ^{*1}
	Rotary type BH filter	Filter #1	-
		Filter #2	Cu 0.1 mm
		Filter #3	Cu 0.2 mm
		Filter #4	Cu 0.3 mm
Pb equivalency of shielding leaves	H-leaves and V-leaves	3 mm Pb (middle leaf: 2 mm Pb)	
	Independent H mask (option)	3 mm Pb	
	C-leaves (option)	2 mm Pb	
Leaf driving method		Stepping motor drive	
Distance between the focus and fitting face		60 mm	
External dimensions		W231×H259×D317 mm	
Mass		Approx. 10 kg	
Power supply (supplied from high-voltage generator)		24 VDC, 240 VA	

*1: Total filtration when combined with the X-ray tube unit is 3.5 mm Al eq or higher.