

## 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: φ118 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). <sup>*1</sup>
	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.