

SPECIFICATION

COLLIMATOR OPTICA 50-CF002 & -CF004

Application	Stationary X-ray equipment for radiography and fluoroscopy up to 150kV X-ray tube voltage.
Shutters	Multilayer, 4 pairs of shutters in 2 layers.
Mode of operation	Remote control (motor-driven)
Collimation	Rectangular field Min. 00 x 00 cm Max. 48 x 48 cm at 1m SID
Attenuation equivalent EN-IEC 60601-1-3:2008	1.2 mm Aluminium at 75kV
Additional filters (CF002 only)	2 additional motor driven filters, manually selectable or by CAN-bus. Selectable filter combinations: <ul style="list-style-type: none"> • No added filtration • Filter 1 =1 mm Al + 0.1 mm Cu • Filter 2 =1 mm Al + 0.2 mm Cu • Combined: 2 mm Al + 0.3 mm Cu
Remote comm. protocol	CAN bus
Bucky center line laser EN-IEC 60825-1	Class 1 laser
Light source	Power LED, white with adjustable illuminance.
Light field timer	Adjustable timer. Factory setting: 20 seconds
Light field illuminance (1m from focus, 35x35cm) EN-IEC 60601-2-54:2009	>230 lx with illuminance set to 100%
Light field contrast (35x35cm at 1m SID) EN-IEC 60601-2-54:2009	>4:1
Leakage radiation (at 1m, 150kVp, 4mA) EN60601-1-3:2008	≤0.5 mGy/hr
Mounting distance (of mounting plane from focus)	80 ± 1 mm
Accessory guides	One pair of rails for 2 accessories, maximum 177mm wide and 2mm thick
Power consumption	24V DC, 35 VA max
Weight	9.0 kg
Operating conditions	Ambient temperature +10°C to +40°C. Atm. pressure 700-1060 hPa. Relative humidity 30% to 95%, non condensing
Compliance	Conforms to the requirements of FDA and the European Medical Device Directive (CE mark Class IIb)

Dimensions

[mm]

