

Ralco s.r.l.



R108

Square-field, multi-layer x-ray collimator. This unit is lightweight, compact and is ideal for installation on mobile x-ray equipment.

This collimator is designed for installation on fixed or rotating anode X-ray tubes that, when mounted, conform to *EN 60601-1-3 par 29.202.3*. It is intended for clinical skeletal investigations and ER applications.

The x-ray field is defined by six pairs of shutters, four of which are lead-lined.

The six pairs of shutters move perpendicularly within the x-ray field: two pairs of bronze shutters are located near the focus, two are located near the entrance window and two are located near the exit window of the x-ray beam from the collimator. The latter shutters serve to accurately define the x-ray field edges.

Shutter movements are manual and controlled by two knobs on the collimator front panel.

CHARACTERISTICS

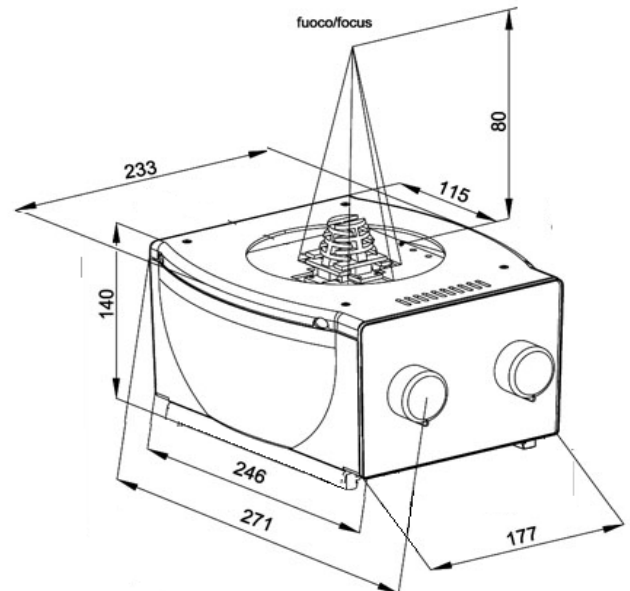
- Mounting plane at 80 mm (3.14") from the focus.
- External adjustment of mirror angulation.
- High luminosity provided by a quartz iodide lamp or, on request, by a white Power LED (RO 333).
- Timer limiting projection lamp exposure time to 30 seconds thus extending lamp life by preventing overheating.
- Supply: 24V DC/AC - 50/60 Hz - 6.5A on request: 12V DC/AC
- Radiation shielding: 125 kVp - 4 mA - on request: 150 kVp - 4mA.
- Minimum inherent filtration 2 mm aluminium equivalent (1mm on request).
- Square field is variable from Min: 00 x 00 cm to Max: 43 x 43 cm at an FFD/SID of 100cm.
- Edge contrast ratio: >4:1.

OPTIONAL ITEMS

- RO 001/A - Mounting flange, fixed, 20mm.
- RO 002 - iron spacer, 1.5mm, for mounting flange.
- RO 051 - Mounting flange, rotating, diam 136mm, thickness 18 mm.
- RO 115 - Knobs
- RO 240 - Focus-skin spacer
- RO 241 - Glass mirror, thickness 0.8mm, internal filtration 1mm Al equivalent
- RO 242 - Laser
- RO 250 - Radiation shielding up to 150 kVp-4mA
- RO 253 - Spacer guides, plastic, to assemble DAP
- RO 261 - CCSAUS certification.
- RO 262 - DHHS certification with US extension
- RO 333 - LED

CUSTOMIZING:

Customized versions of this product are available to meet particular customer requirements.



Weight: 5,5 Kg

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