

# Ralco

X-RAY COLLIMATORS



Value, Quality and Experience



## R 221/A

**Multilayer, square field, manual collimation system with a lightweight and compact design intended for installation on mobile and stationary X-ray equipment.**

**This device has been designed and manufactured for skeletal investigations and ER applications.**

**This model includes the following standard features:**

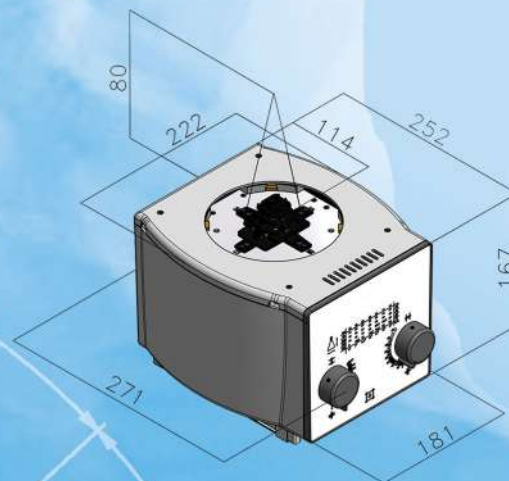
- Maximum Radiation Leakage: 150 kVp - 4 mA
- Multilayer Square Field: 0x0 cm to 48x48 cm at 100 cm SID
- Minimum Inherent Filtration: 2 mm Al equivalent
- Manual Variable Filtration Selection (on request)
- White LED
- Dimensions: 271x222x167 mm
- Weight: 8.4 Kg
- 6 Pairs of Shutters
- Accessory Guide Rails
- Color Customizations and Many Other Personalization Options Available

# R 221/A

## TECHNICAL FEATURES

Application	Mobile, Ceiling Suspension and Tube Stand X-Ray Equipment		
Mode of Operation	Manual		
Power Supply	24 V AC/DC - 2 A		
cCSAUs and DHHS Certification	◆		
Mounting Plane	Standard: 80 mm		
	Customized	×	
Leakage Radiation	125 kVp - 4 mA	×	
	150 kVp - 4 mA	✓	
Field Type	Square Field	With Potentiometer	◆
		Without Potentiometer	✓
	Round Field		×
Minimum Inherent Filtration	2 mm Al equivalent		✓
	1 mm Al equivalent		◆
	Customized		◆
Additional Variable Filtration	Manual		◆
	Motorized		×
Light Source	LED		✓
	Halogen Lamp		◆
	No Light		×
SID Measurement	Electronic		×
	Retractable Tape Measure		✓
Image Receptor Alignment	Centering Light		×
	Single Laser	Class I	◆
		Class II	◆
	Double Laser	Class I	◆
		Class II	◆
Flanges and Spacers	Iron mounting flange spacers: 1.5 thickness		◆
	Fixed	Metal	◆
		Resin	×
	Rotating	Metal	◆
Resin		✓	
Collimator Mounting Method	Manual Alignment with Metal Flange		◆
	Automatic Centering with Metal Flange		◆
	Automatic Centering with Resin Flange		◆
	Customized Attachment		×
User Interface	CAN-Bus		×
	CAN-Open		×
Patient Monitoring Camera			◆
Proximity Sensor			×

✓ Standard    ◆ Optional    × Not Available



### HEAD OFFICE

Via Dei Tigli 13G  
20853 BIASSONO (MB)  
ITALY  
Tel. 0039 039 24 979 25  
FAX 0039 039 24 977 99  
Email: [ralco@ralco.it](mailto:ralco@ralco.it)  
[www.ralco.it](http://www.ralco.it)  
Skype: ralco\_s.r.l.

### AMERICAN OFFICE

4970 Robert J. Mathews Pkwy #180  
El Dorado Hills, CA 95762  
USA  
Tel. 001 916 990 5172  
Email: [info@ralcousa.com](mailto:info@ralcousa.com)  
[www.ralcousa.com](http://www.ralcousa.com)  
Skype: ralcousa

**CUSTOM MODELS ON REQUEST**

DR R 221/A Rev. A - ACD/012/21