OPTICA™ 40 MOTORIZED COLLIMATOR







The Optica[™] 40 is a motorized collimator for integration with radiography and fluoroscopy systems. The collimator is controlled with the front knobs or remotely through its CANbus. A large touch-screen LCD display shows the X-ray tube tilting angle, selected beam filtration and field size with a given SID.

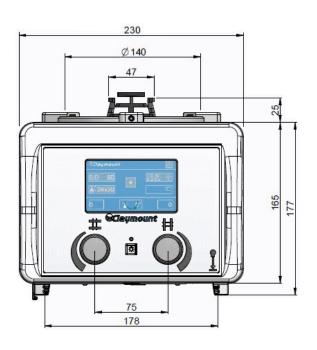
The Optica 40 is equipped with a long-life power LED that projects a bright light field on the exposed area. Aligning the detector under the X-ray beam is made easy with a center laser line.

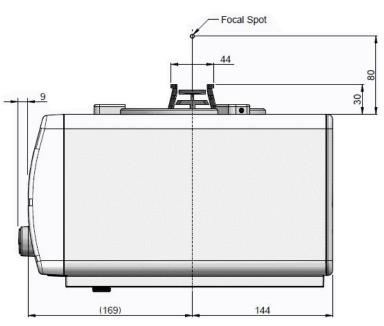


The beam filtration is possible with the optional motorized filter module. No filtration or three different aluminum plus copper combination filtrations are available. Shutter calibration and customization of user settings are easily performed through the software menu, accessible via the display.

APPLICATIONS

• Stationary X-ray equipment for radiography and fluoroscopy up to 150 kV tube voltage.





OPTICA 40

Multilayer, 4 pairs of shutters in 2 layers. Mode of operation Manually or remote control (both motor-driven) Rectangular field Min. 00 x 00 cm Max. 48 x 48 cm at im SID Attenuation equivalent EN-IEC 60601-13 2008 1.2 mm Aluminium at 75kV 2 additional motor driven filters, manually selectable or by CAN-bus. Selectable filter combinations: No added filtration EC 60601-13; \$3.3 / \$7.3 / \$7.5 Pilter 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 Semote comm.protocol CAN bus Class I laser NuEC 60805-1 Class I laser NuEC 60805-1 Class I laser Adjustable timer. Adjustable timer. Adjustable timer. Adjustable timer. EC 60601-2-54, \$203.8.025 2-20 lx with illuminance set to 100% (Im from focus, 35x35cm) 2-21 (35x35cm at Im SID) Exercise addition EC 60601-2-542009 2-21 (35x35cm at Im SID) Exercise addition EC 60601-3-2008 One pair of ralls for 2 accessories, maximum 177mm wide and 2mm thick Power consumption 2-24 V DC, 35 VA max Weight 9-0 kg Deparating conditions Ambient temperature +10°C to +40°C. Atm. pressure 700-1060 hPa. Relative humidity 30% to 95%, non condensity.	Technical Specifications	
Manually or remote control (both motor-driven) Rectangular field Min. 00 x 00 cm Max. 48 x 48 cm at im SID Attenuation equivalent EN-HEC 606014-3; 23.3 / 97.3 / 97.5 Added filtration (optional) EC 606014-3; 23.3 / 97.3 / 97.5 Pilter 1 = Imm xl + 01 mm Cu Pilter 2 = Imm xl + 0.2 mm Cu Pilter 2 = Imm xl + 0.2 mm Cu Power LED, white with adjustable illuminance. Class 1 laser Class 1 laser Class 1 laser Class 1 laser Power LED, white with adjustable illuminance. Adjustable timer Factory setting: 20 seconds Light field illuminance EC 60601-2-54; 2205.8:102.5 Adjustable timer Factory setting: 20 seconds Sucky center of the second s	Application	Stationary X-ray equipment for radiography and fluoroscopy up to 150kV X-ray tube voltage.
Rectangular field Min. 00 x 00 cm Max. 48 x 48 cm at 1m SID Attenuation equivalent EN-IEC 60601-1-3:2008 2 additional motor driven filters, manually selectable or by CAN-bus. Selectable filter combinations: • No added filtration EC 60601-1-3:93.3 / 97.3 / 97.5 • Filter 1 = 1mm Al + 0.1 mm Cu • Filter 2 = 1mm Al + 0.2 mm Cu • Combined: 2 mm Al + 0.3 mm Cu Remote comm.protocol CAN bus 3 cdy center line laser EN-IEC 60825-1 Class 1 laser Class 1 laser Class 1 laser Light field timer Adjustable timer Factory setting: 20 seconds Light field illuminance EC 60601-254; \$203.8102.5 Light field contrast EC 60601-2-542009 \$41:(35x35cm at 1m SID) \$41:(35x35cm at 1m SID) \$60601-3-32008 Mounting plane from focus) Accessory guides One pair of rails for 2 accessories, maximum 177mm wide and 2mm thick Power consumption Ambient temperature +10°C to +40°C. Atm, pressure 700-1060 hPa. Relative humidity 30% to 95%, non condensing Comforms to the requirements of FDA and the	Shutters	Multilayer, 4 pairs of shutters in 2 layers.
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Class 1 laser Power LED, white with adjustable illuminance Adjustable timer Adjustable timer Adjustable timer Adjustable timer Factory setting: 20 seconds Light field illuminance EC 60601-2-54; \$203.8:102.5 230 lx with illuminance set to 100% (Im from focus, 35x35cm) 24:1 (35x35cm at 1m SID) Leakage radiation EC 60601-2-54;2009 Adjustable timer Accessory guides One pair of rails for 2 accessories, maximum 177mm wide and 2mm thick Power consumption Adjustable timer Adjustable illuminance Adjustable timer Adjustable illuminance Adjustable timer Adjustable illuminance Adjustable timer Factory setting: 20 seconds At 1 (35x35cm) At 1 (35x35cm at 1m SID) Adjustable illuminance Adjustable illuminance Adjustable timer Adjustable illuminance Adjustable timer Adj	Added filtration (optional) IEC 60601-1-3; §3.3 / §7.3 / §7.5	Selectable filter combinations: No added filtration Filter 1 = 1 mm Al + 0.1 mm Cu Filter 2 = 1 mm Al + 0.2 mm Cu
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EC 60601-1-3:2008 **Substituting distance (of mounting plane from focus) **Accessory guides **One pair of rails for 2 accessories, maximum 177mm wide and 2mm thick **Power consumption **24V DC, 35 VA max **Weight **Operating conditions **Ambient temperature +10°C to +40°C. Atm. pressure 700-1060 hPa. Relative humidity 30% to 95%, non condensing **Compliance** **Complian	Light field contrast IEC 60601-2-54:2009	>4:1 (35x35cm at 1m SID)
Accessory guides One pair of rails for 2 accessories, maximum 177mm wide and 2mm thick 24V DC, 35 VA max Weight 9.0 kg Ambient temperature +10°C to +40°C. Atm. pressure 700-1060 hPa. Relative humidity 30% to 95%, non condensing Compliance Compliance Compliance Compliance Compliance Compliance	Leakage radiation IEC 60601-1-3:2008	≤0.5 mGy/hr (at 1m, 150kVp, 4mA)
Power consumption 24V DC, 35 VA max 9.0 kg Ambient temperature +10°C to +40°C. Atm. pressure 700-1060 hPa. Relative humidity 30% to 95%, non condensing Compliance Compliance Compliance Compliance	Mounting distance (of mounting plane from focus)	80 ± 1mm
Weight 9.0 kg Ambient temperature +10°C to +40°C. Atm. pressure 700-1060 hPa. Relative humidity 30% to 95%, non condensing Compliance Compliance Compliance	Accessory guides	One pair of rails for 2 accessories, maximum 177mm wide and 2mm thick
Ambient temperature +10°C to +40°C. Atm. pressure 700-1060 hPa. Relative humidity 30% to 95%, non condensing Compliance Compliance Compliance	Power consumption	24V DC, 35 VA max
Relative humidity 30% to 95%, non condensing Compliance Complian	Weight	9.0 kg
	Operating conditions	
	Compliance	

MORE INFORMATION

Varex Imaging Corporation is a leading innovator, designer and manufacturer of X-ray imaging components, which includes tubes, digital flat panel detectors and other image processing solutions, which are key components of X-ray imaging systems.

For more information, please contact a Varex Imaging sales representative in your territory. Contact details are available at www.vareximaging.com/contact information.



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