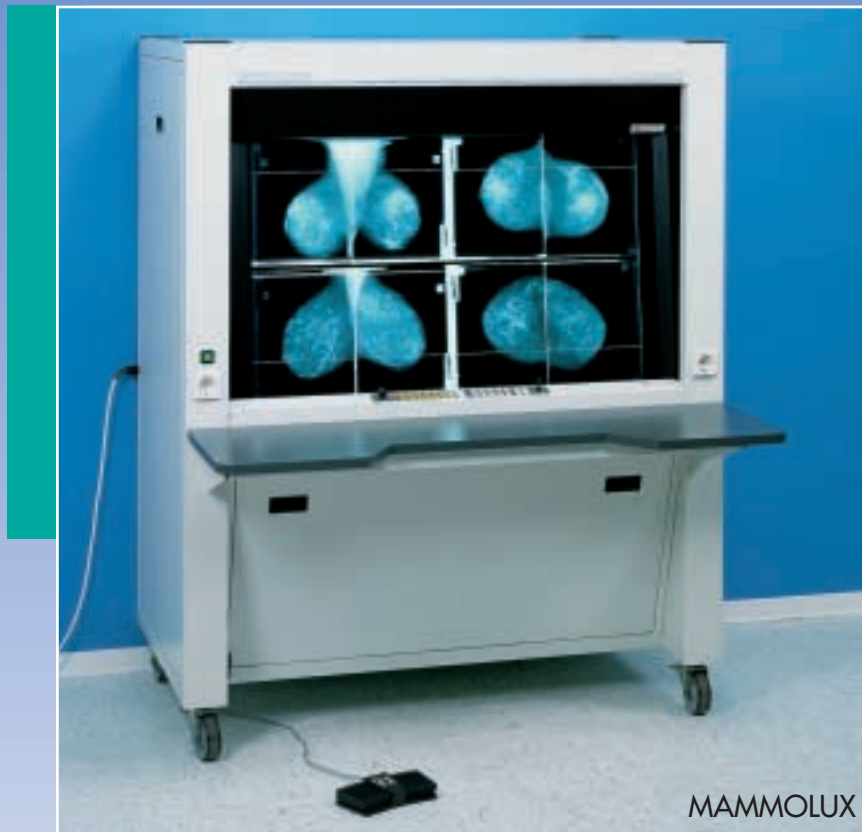


MAMMOLUX XL

Motorized film viewers with vertical belt system.

For the efficient reading of mammograms sized 18 x 24 cm, 24 x 30 cm and 35 x 43 cm.



MAMMOLUX

MAMMOLUX XL  
MAMMOLUX

Designed for very busy mammo-  
graphy departments or for screen-  
ing centres, the MAMMOLUX  
models readily cope with the  
stringent requirements in terms of  
capacity, collimation, luminous  
density, efficiency and reliability.

The units offer ample leg room,  
excellent seating comfort and,  
as a result, provide highly appre-  
ciated ergonomic workplaces for  
radiologists.

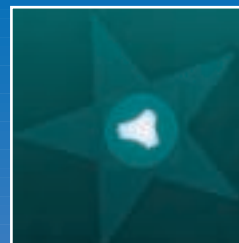
The film conveyor belt runs practi-  
cally noise-free. The flicker-free  
high-frequency light ensures film  
reading without fatigue even over  
longer periods of time.

The special units for glare-free film  
reading incorporate 4 motorized  
shutters with automatic format  
collimation (AFC) and joystick as  
standard items. The viewers fully  
comply with the requirements  
specified under DIN 6856 of  
October 1995.

Please compare the pictures  
on the side and you will see the  
difference.



*Without  
collimation  
and with  
medium  
luminance.*



*With  
collimation  
and accurately  
matched  
luminance.*

Collimation combined with  
luminous density control  
substantially improve detail  
recognition.

- Motorized vertical belt run and electronic positioning
- Motorized shutters with automatic format collimation (AFC) and joystick for edge-sharp collimation of small image sections
- Direct selection of any belt segment
- Transparent film holder at the upper and lower edge of each belt segment for optimum utilization of the viewing area
- Film carrier belt of high-grade transparent polyester foil
- Each belt segment is provided with 2 thin durable film-retaining threads
- Flicker-free high-frequency light (28-45 kHz)
- Uniform illumination in line with DIN 6856
- Daylight fluorescent lamps, approx. 6500° Kelvin
- Electronic variable brightness control, control range approx. 80 %
- Belt transport by a full or half segment height is possible
- Control unit with touch keys and joystick in the strip at the lower edge of the viewing area
- Additional twin footswitch for belt transport
- Antistatic protection

## **Automatic format collimation (AFC) and joystick**

A selection of important formats are pre-programmed by the factory. Any additional film configurations can be easily programmed, stored and recalled on demand by the user.

While maintaining the collimation selected, the collimated size can be moved via joystick over the entire viewing area from film to film.

This innovative shutter control increases efficiency and helps save time and money.

Each of the 4 shutters can also be moved individually.

### **MAMMOLUX**

Viewing area: 96 x 60 cm

Film capacity:

680 films 18 x 24 cm, or

680 films 24 x 30 cm, or

170 films 35 x 43 cm

### **MAMMOLUX XL**

Viewing area: 145 x 60 cm

Film capacity:

1360 films 18 x 24 cm, or

1020 films 24 x 30 cm, or

340 films 35 x 43 cm

On both units the film holder  
can also be positioned at the  
upper edge of the viewing area  
by simply pressing a button.  
Thus, large films 35 x 43 cm can  
be read as well.

**Owing to its large viewing  
area MAMMOLUX XL lends  
itself ideally to routine  
diagnostic work in radio-  
logical departments.**

A unique film safety system  
positively prevents the loss of  
radiographs.



The film viewers are fitted with 2 sockets in the front panel as standard items.

If they are left unattended for more than 30 minutes, the viewing area lights are switched off automatically.  
In the event of a disturbance or power breakdown, the belt can also be moved by hand.  
Thus access to the radiographs is possible at any time.

### Installation and service

It requires no effort to move the units to the site of installation. They fit through doors 76 cm in width.

After fitting the tabletop and plugging the cable into the room outlet, the viewer is ready for operation.

With the unit comes a three-core cable, roughly 2 m long, with plug for connection to a 220 - 240 V, 50 Hz power line. (Country-specific plugs can also be supplied on request. Please specify).



Technical specifications	Models available for delivery	
	MAMMOLUX XL	MAMMOLUX
Transport speed of the belt 1 belt segment	approx. 4 seconds	
Start – end	approx. 135 seconds	approx. 135 seconds
Number and wattage of fluorescent lamps	8 x 58 W	10 x 36 W
Max. luminous density, approx. <sup>1)</sup>	7700 cd/m <sup>2</sup>	7000 cd/m <sup>2</sup>
Max. power input, approx.	715 W	690 W
Current input max., approx.	3.1 A	3.2 A
Operation on	220-240 V, 50 Hz or 120 V, 60 Hz	
Net weight, approx.	400 kg	310 kg
Gross shipping weight, approx.	650 kg	530 kg
For film reading in compliance with DIN 6856	yes	yes
Order No.	122710.1	122702

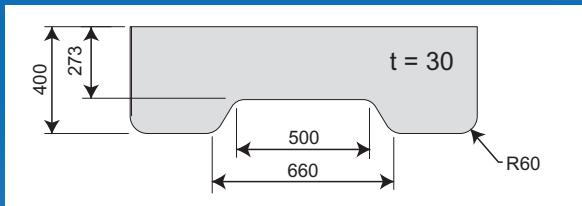
<sup>1)</sup> The luminous density quoted in cd/m<sup>2</sup> takes into consideration a loss of roughly 10 % of the max. value.

## Special accessories

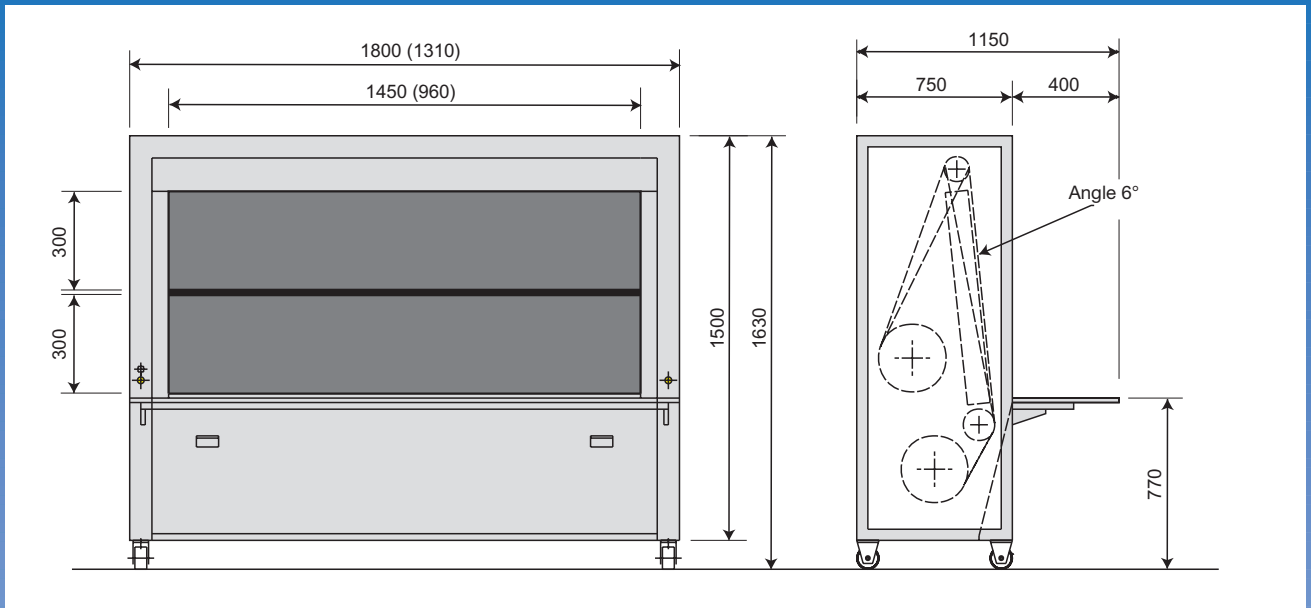
Description	for Mammolux XL Order No.	for Mammolux Order No.
Special tabletop, 300 mm deep	309001	309003
Special tabletop, 480 mm deep	309006	309004
Special tabletop Type "C", as per drawing on page 4	309002	309005
VideolUX camera system for magnified transmission and display of radiographs on a monitor (see separate leaflet VideolUX with accessories)	310003.2	310003
Magnifying glass which can be moved over the entire viewing area, adjustable in height, with extremely sharp biconvex lens of optical glass, 120 mm Ø, twofold magnification)	403081	403082
For further magnifiers see leaflet "General accessories"		
Iris lamps in different designs (see separate Iris lamp leaflets)		

# Dimensions

(in (...) for the MAMMOLUX model)



Special tabletop Type "C"



Color: RAL 9002 (grey-white), structure powder-coated finish

The film viewers comply with the EEC Directive 93/42.

Delivery through qualified and authorized dealers only.

Designs subject to alterations without prior notice.

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# PLANILUX®

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