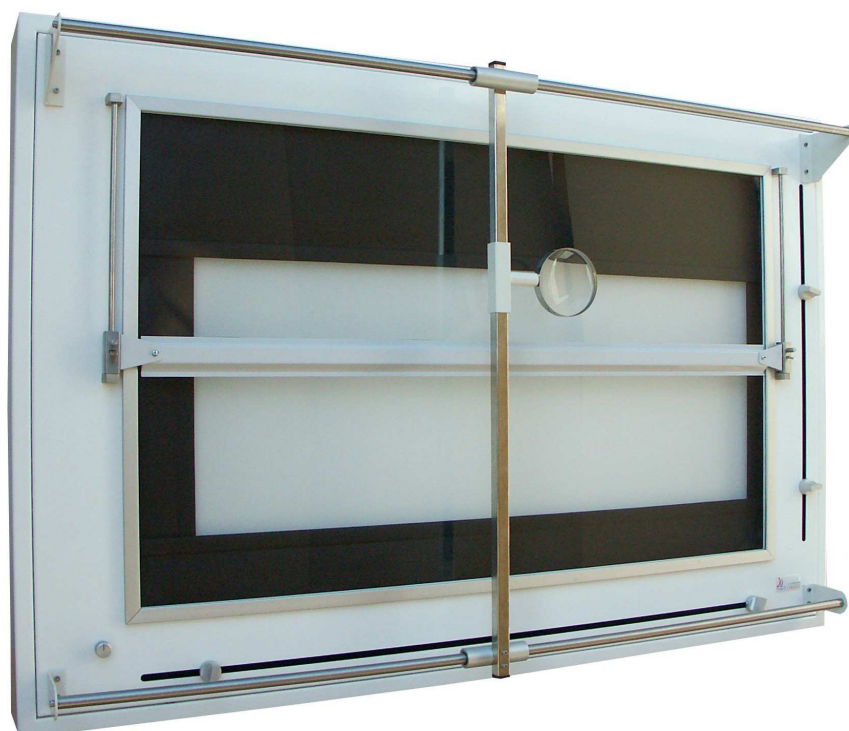




Via Michelangelo Buonarroti, 52/B - 20093 Cologno M.se (Mi)

## **X-RAY FILM VIEWERS WITH BLINDS FOR MAMMOGRAPHY**



### **INSTRUCTION AND INSTALLATION HANDBOOK**



REV.01/2015

## 1.0 DESTINATION

The x-ray film viewer with blinds is suitable for the screening of eight radiograms of both sizes (18x24 cm. and 24x30 cm.) The use of the blinds allows the perfect screening of small fragments in radiograms of soft tissues, negatives of which are characterized by contour differences.

## 2.0 CONSTRUCTION

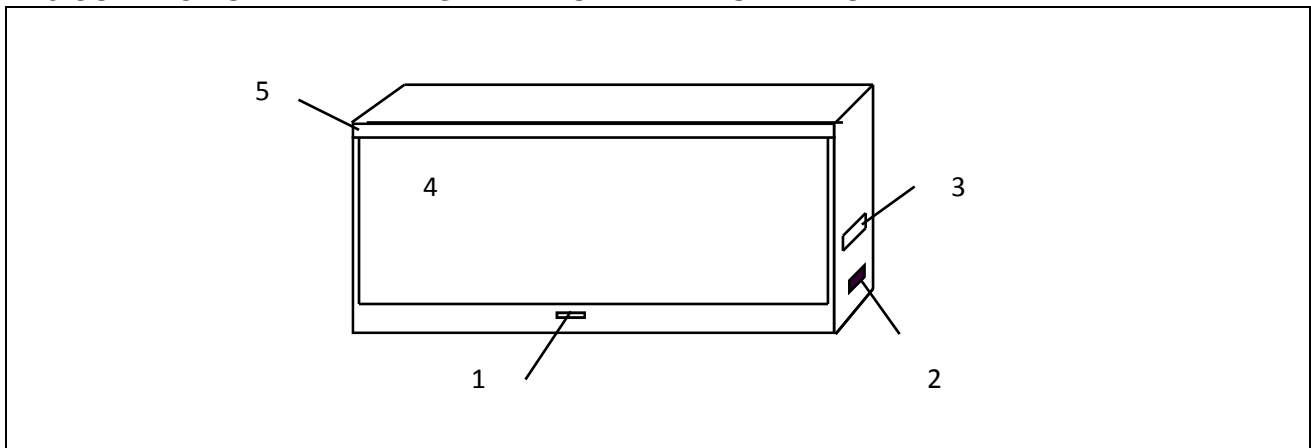
X-ray film viewer for mammograms provided with n. 4 freely moving shutters for glare-free film reading.

Light system with fluorescent lamps with colour temperature 6500°K. Flicker free, energy saving high-frequency light for film reading without eyestrain. Adjustment of luminance within the range from 10% to 100% of maximum luminance with special light regulator. Each x-ray viewer is supplied with a magnifying glass.

## 3.0 WALL FIXING

Before hanging the illuminator, you must prepare two holes in the wall with expansion dowels (hook) Ø8 or Ø10. The holes for the expansion dowels must be far from each other about **1120mm**. On the prepared hooks, hang the illuminator..

## 4.0 CONNECTION AND MANAGEMENT OF THE ILLUMINATOR



### LEGEND

Illuminator with shutters


- 1) Connection group W1 – Electric plug.
- 2) Tension regulation knob – Light regulator.
- 3) Vertical left shutter regulation knob.
- 4) Vertical right shutter regulation knob.
- 5) Horizontal lower shutter regulation knob.
- 6) Horizontal upper shutter regulation knob

Illuminators are produced in Class 1 and earth is needed.

To light the illuminator you must:

A	Connect the net cable W1 to the illuminator
B	Introduce the net cable in the socket.
C	Activate the switch in the group W1
D	To regulate the brightness activate the regulation knob 2.
E	Fluorescent tubes reach the entire light intensity value after some minutes from lighting.
F	Change of shutters position is due moving knobs 3/6
G	After using the illuminator, we suggest to switch off the lights. This have positive influence on the life of the fluorescent tubes and feeders.


## ATTENTION

	<p>Before begin any repair or maintenance action, remove the plug from the electrical net socket.</p>
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## 5.0 WASHING, CLEANING AND DISINFECTION

Wash the painted surfaces with humid sponge and commonly used detergent. Do not apply scraping detergents. Clean the Plexiglas screen with a humid sponge and with detergent that remove electrostatic charges. The disinfection must be done by means of disinfection owning Ministry of Health certificate.

## ATTENTION

	<p>In case of one fluorescent tube replacement (that you will see with the darkening of part of the screen) you must replace the entire set of tubes. Using the illuminator with one non-functioning tube or replace a single tube, will seriously worsen the uniformity of the light on the screen and will make not possible an adequate radiographic screening. To avoid worsening of lighting parameters, you must use only fluorescent tube with adequate colour and temperature always available by the manufacturer of the illuminator.</p>
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## 6.0 SUBSTITUTION OF THE FLUORESCENT TUBES

	<p>After 12000 hours, it is necessary to substitute all the fluorescent tubes in the x-ray film viewer, otherwise there is a loss of lamps parameters. For the substitution please refer to qualified personnel. This will guarantee the continuous work and the correct use of the illuminator.</p>
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## 7.0 FUSES REPLACEMENT

A	Remove the plug from the net socket.
B	Remove the smallest plug of the net cable net from connection group W1.
C	With a screwdriver, raise the door of the fuse-holder drawer in the connection group W1.
D	Remove the drawer with fuses
E	Replace the fuses with new ones (use only WTA-T250/2,0A).
F	Introduce the drawer with fuses in the connection group W1.
G	Introduce the smallest plug of the net cable in the connection group W1.

## 8.0 WARRANTY

Repair or replacement of faulty parts is under warranty.

Warranty does not include indirect damages and any kind of consumer material is excluded. Moreover warranty is excluded in case of inappropriate use, incorrect use and in case of inobservance of the information contained in this manual.

**ATTENTION: this handbook must be kept during all the life of the illuminator and must be always at disposal of operators and maintenance staff.**

**Cablas srl declines every kind of responsibility on case of omission or tampering of the device.**



This apparatus is countermarked by the symbol of differentiated collection related to the electrical and electronic components material dumping. It means that this product must be brought to a differentiated collection centre in accordance with the European Directive 2002/96/CEE, in order to be recycled or demolished to reduce the possible environmental impact. For more information in this matter we suggest you to refer to the local or regional administrations. Electronic products that are not object of a differentiated collection are potentially injurious to the environment and to the human health because of the presence of dangerous substances.

**RoHS**

COMPLIANT  
2002/95/EC

## TECHNICAL DATA - SHEET

### X-RAY FILM VIEWERS WITH BLINDS FOR MAMMOGRAPHY

CODE	CND	N.REP.	READING CONTEMPORARY FILM	SIZE	OUTSIDE DIMENSIO N cm..	WEIGHT Kg.	LIGHT SECTION	Cd/mq
LXJM96	Z110702	305825	n. 10 cm 18x24 oppure n.8 cm 24x30	96X60	128x94x12	57	2-96x30	6500
LXJM97	Z110702	305839	n. 12cm 18x24 oppure n.8 cm 24x30	108X60	140x94x12	63	2-108x30	6500

### X- RAY FILM VIEWERS WITH BLINDS FOR MAMMOGRAPHY

#### MULTIPLE USE MODEL

CODE	CND	N.REP	LIGHT SECTION	READING CONTEMPORARY FILM	WEIGHT Kg.	OUTSIDE DIMENSION cm..	SIZE	CD/MQ
LXJM98	Z110702	305841	1-96x60	n.10Ccm 18x24 oppure n.8 cm 24x30	59	128X94X12	90X60	6500
			1-96x43	Visualizzazione Cm 30x40/cm 35 x43		128X94X12		
LXJM99	Z110702	305843	1-108x60	n.10Ccm 18x24 oppure n.8 cm 24x30	64	140X94X12	108x60	6500
			1-108x43	Visualizzazione Cm 30x40/cm 35 x43		140X94X12		

**LXJM100**

**SLIDING LENS ON MOBILE ARM**

## CE CONFORMITY DECLARATION

The undersigned "CABLAS S.r.l."  
office at Via Michelangelo Buonarroti 52/B  
20093 Cologno Monzese (MI) - ITALY

### DECLARES

Under own responsibility that the product

**X-RAY FILM VIEWER FOR MAMMOGRAPHY WITH BLINDS**

### Codes

LXJM96	LXJM97	LXJM98	LXJM99
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Which this declaration refers, conforms to  
Directive 93/42/CEE – Medical Devices - Class 1

Moreover meets the Directive 73/23 CEE (Low tension)  
89/336 CEE (Electromagnetic compatibility).

The construction conforms to Norms  
EN 60601 -1,2 - Din 6856 -1,2

Cologno Monzese, year 2013

**CABLAS S.R.L.**  
Via Michelangelo, 52/B  
20093 COLOGNO MONZESE (MI)  
S.r.l. - Via Sormani/34 - COLOGNO M. SE  
Tel. R.A. 02 2530688 - Fax 02 27300644  
Cod. Fisc. e P. IVA 11803230156

