

# Medicanvas Illuminators

Model 77-101VB Series



Diagnostic Imaging



- **The world's slimmest film illuminator - 1 inch (2.5 cm) thick**
- **Ideal for workstation applications alongside flat panel monitors**
- **Hangs on a wall like a PDP-flat TV**
- **Longer lamp life - 20,000 hours vs. 3,000 hours**
- **Greatly reduced eye-fatigue**
- **Medicanvas is ideal for Professional Interior Designers**

## Introduction

The latest thin-film-transistor liquid crystal display (TFD-LCD) technology is what enables the world's slimmest film illuminator (only 1 inch or 2.5 cm thick) to be conveniently located in close proximity to Picture Archiving and Communications Systems (PACS) imaging monitors. This close coupling helps save the health care professional time when recalling non-digitized patient films for comparisons. Other view boxes are large, obtrusive and run hot due to fluorescent bulb illumination. Medicanvas technology runs cool and lasts for 20,000 hours versus 3,000 hours for conventional bulbs.

## Applications

The Medicanvas illuminator design is truly an innovation. It uses active matrix display technology like that employed with laptop LCD computer displays, which fits in well with today's flat panel monitor environment. The technology provides excellent illumination, it is easy on the eyes due to uniform brightness, and the units are attractive and integrate well with workstation ergonomics. Of course traditional illuminator configurations benefit from the thin design, and Medicanvas can be surface mounted to achieve the same profile as expensive recess mounting of (thick) conventional view boxes.

## Features

### Blue light is more suited to x-ray films

Medicanvas uses the latest Cold Cathode Fluorescent Lamp (CCFL) technology which emits an 8,600-Kelvin color temperature. This produces a blue-type light more suitable for reading x-ray films (black and white films).

**Greatly reduced eye-fatigue** The latest CCFL of Medicanvas flickers 40,000 times per second. At this rate, the eye cannot recognize flickering, thereby reducing the level of eye-fatigue even if watched for a longer period.

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**Features (cont)**

**Longer lamp lifetime (20,000 hours): more economical, efficient and convenient** The advanced CCFL emits a very low level of heat. This reduces the need to clean and replace lamps as frequently. The lamp used by Medicanvas can last for 10 years, thus saving a lot of time and money.

**Uses ultra modern technology** Medicanvas is the first illuminator to use TFT-LCD Backlight Technology and is the world's slimmest view box at 1 inch (2.5 cm) thick.

**Excellent uniformity of light distribution** The backlight technology used by Medicanvas is the same as that used in laptop computers, and distributes the light evenly. The uniformity of light distribution is more than 90% per 1 bank. This facilitates more accurate film reading, while reducing eyestrain thereby enabling viewing for longer periods of time.

**Medicanvas = best solutions** It gives a professional appearance to your consultation area with a slim and high-tech design. It is easy to install (hangs on the wall like a PDP-flat TV) and provides for an efficient and flexible use of space.

Medicanvas is ideal for Professional Interior Designers.



**Medicanvas shown with office transparent artwork.**

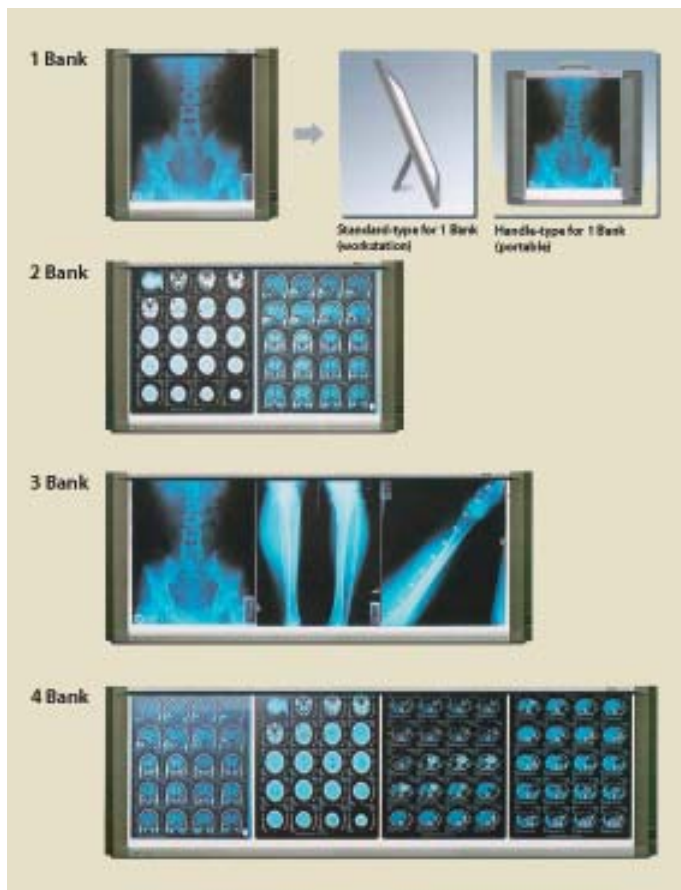


**Medicanvas easily converts to an office clinical tool.**

## Specifications

		77-101VB	77-202VB	77-303VB	77-404VB
Dimensions (mm)	Frame (w x h x t)	20 x 19 x 1 in (498 x 482 x 28 mm)	34 x 19 x 1 in (854 x 482 x 28 mm)	48 x 19 x 1.5 in (1230 x 482 x 39 mm)	63 x 19 x 1.5 in (1606 x 482 x 39 mm)
	Viewing area (w x h)	14 x 17 in (356 x 423 mm)	28 x 17 in (711 x 423 mm)	43 x 17 in (1087 x 423 mm)	58 x 17 in (1463 x 423 mm)
Illuminance / brightness		2,000 cd ± 10%	2,000 cd ± 10%	2,000 cd ± 10%	2,000 cd ± 10%
Lamp source		CCFL ( 6 lamps)	CCFL ( 12 lamps)	CCFL ( 18 lamps)	CCFL ( 24 lamps)
Power supply (AC-DC SMPS)	Input	AC 100 to 250 V 50/60 Hz	AC 100 to 250 V 50/60 Hz	AC 100 to 250 V 50/60 Hz	AC 100 to 250 V 50/60 Hz
	Output	DC 12 V ± 5%, 3.5 A	DC 12 V ± 5%, 6.67 A	DC 12 V ± 5%, 6.67 A (2 ea)	DC 12 V ± 5%, 6.67 A (2 ea)
Lamp life-time		20,000 hours	20,000 hours	20,000 hours	20,000 hours
Power consumption		36 W	72 W	108 W	144 W
Net weight		11.88 lb (5.4 kg)	21.12 lb (9.6 kg)	28.82 lb (13.1 kg)	37.62 lb (17.1 kg)

## Medicanvas configurations



## Optional accessories

Model	Description
77-HANDLE	Handle-type (1 bank)
77-STAND	Stand-type (1 and 2 banks)
77-101FAS	Film Activating Switch (FAS)
77-DIM	Dimmer



For additional information, please contact the Radiation Management Services business of Cardinal Health at 440.248.9300, fax 440.349.2307 or e-mail [rmsinfo@cardinal.com](mailto:rmsinfo@cardinal.com); located at 6045 Cochran Road, Cleveland, Ohio 44139-3303, USA.

Specifications are subject to change without notice.

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