

MAXANT TECHLINE Illuminators

Models 77-xxxTS/TR Series



Diagnostic Imaging



Two over two panel recess mounted unit
(Model 77-222TR)

Introduction

The MAXANT TECHLINE Illuminator is a universal body design available in multiple "instant on" lighting configurations, including the TECHLINE 200, 300 and 400 series. Offered in configurations from a single panel through six over six panels, surface and recess mounted, TECHLINE provides maximum quality and flexibility for radiological film interpretation.

TECHLINE is a high-end line that boasts the EvenVue Reflector System for uniform lighting, Cluster Switching for optimal convenience, and many other standard features.

Applications

TECHLINE is ideal for use in hospital and medical high-volume environments. It incorporates the most commonly requested features and benefits desired by diagnostic imaging professionals.

Standard Features and Benefits

- Thin 3.375 inch profile
- Sturdy steel construction
- TECH-GRIP, roller gravity film holding system
- Centralized cluster switching
- Continuous bottom film ledge
- Minimal 1.8 inch separation between tiers of two tiered fixtures
- Engineered design easily serviced
- Baked white enamel finish
- UL listed & CSA approved

Optional Features and Benefits

- Film activated micro switch
- Dual intensity (available on TECHLINE 300 & 400 series only)
- Multi-panel master switch
- Surface mount hardwired
- Hospital grade plug
- Diagnostic viewing center

Specifications

Body construction 18 gauge welded steel construction, 3.375 inch deep body

Ballasts All ballasts are U.L. listed and C.S.A. approved rapid start, low leakage, thermally protected, Class P type. These ballasts have self starting reliability exceeding 10,000 cycles with an anticipated 50,000 hours of operating life

Line cord and plug Each surface mounted fixture comes standard with a grounded chassis, 7 inch line cord and NEMA 5-15P 2-pole, 3 wire ground

Film grip Roller gravity film holding system accommodates all film thickness variations. This grip will not scratch or tear film. Requires no field adjustments. Open sides facilitate viewing of oversize film

Continuous bottom film ledge Allows for the placement of small film formats on the top and bottom of viewing area

Finish Powder coated white finish is bonded to all steel surfaces to provide durable chip and wear resistant outer surface

Highly reflective inner finish provides optimal light distribution

Diffusing panel 0.125 inch shatter resistant, U.L. listed translucent thermoplastic

Switches The standard two position rocker switch provides manual ON/OFF lighting for each viewing area

Engineered two tiered fixture design Two tier configurations have a minimal separation of 1.8 inch between tiers allowing for convenient top to bottom image comparison

Engineered design for easy servicing Viewing panel is easily removed without tools. Fixture is serviceable without having to remove fixture from wall. Individual wireway panels can be easily removed for direct access to problem panels

Cluster switching Individual rocker control switches are a standard feature and are centrally located at the bottom of the fixture, configured in the same layout as the viewing panels they control

Optional features

Film activated 3 position rocker switch Provides for manual ON/OFF and film activated mode which activates the viewing area when a film is inserted into the film grip

Master switch Provided master ON/OFF control of the entire fixture

Hospital grade plug Heavy duty plug specified in certain municipalities

Surface mount hardwiring Single electrical power exit location on the rear of fixture allows for surface mounted fixtures to be directly wired to the wall

Diagnostic viewing center angulation and corner mounting

Angled mounting: top tier vertical and bottom tier angled at 20° maintaining centralized Cluster Switching located at bottom center of fixture which controls top and bottom tiers (see DVC information)

Light source and luminance	Illumination levels (expected minimum cd/m ²)	Amps per panel	Voltage requirements	Fluorescent lamp type
Techline 200 series	2000	0.75	118 V, 60 Hz	(2)-F15T8/D per panel
Techline 300 series				
Standard high intensity	3500*	0.66	118 V, 60 Hz	(3)-F15T8/D per panel
Optional dual intensity - low mode	2500			
Optional dual intensity - high mode	3500*			
Techline 400 series				
Standard high intensity	4000*	0.7	118 V, 60 Hz	(4)-F15T8/D per panel
Optional dual intensity - low mode	2000			
Optional dual intensity - high mode	3800*			

* The noted series exceeds the American College of Radiology recommended light level of 3000 cd/m² for mammography viewing.

Published readings are 3% less than actual test levels to allow for decreased light output as a result of normal usage.

These light levels are taken from procedures specified by the German DIN 6856 standard. Currently this is the only published standard for evaluating the luminance levels of x-ray illuminators. These levels were measured under the following conditions: an ambient temperature of 21°C (70°F), 118 V line voltage, and new lamps. Light levels measured in the field may vary with the local environment, including lamp age, line voltage, ambient temperature and lamp temperature. These measurements are subject to change without notice.

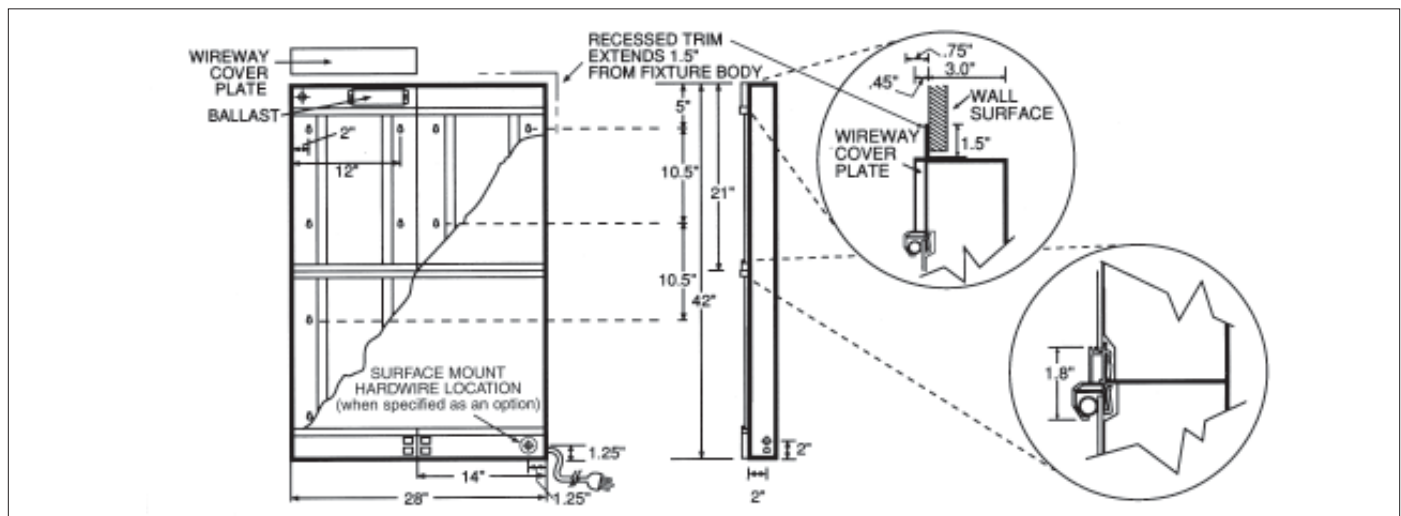
Specifications (cont)

Recess mounted	Dimensions (inches)			200 series (2 lamp)		300 series (3 lamp)		400 series (4 lamp)	
	Viewing area*	Length	Height	Model	Shipping wgt (lb)	Model	Shipping wgt (lb)	Model	Shipping wgt (lb)
1 panel 14 x 17 inch	14 x 17	14.75	21.75	77-201TR	26	77-301TR	26	77-401TR	26
2 panel side by side	28 x 17	28.75	21.75	77-202TR	45	77-302TR	45	77-402TR	45
3 panel side by side	42 x 17	42.75	21.75	77-203TR	64	77-303TR	64	77-403TR	64
4 panel side by side	56 x 17	56.75	21.75	77-204TR	87	77-304TR	87	77-404TR	87
5 panel side by side	70 x 17	70.75	21.75	77-205TR	107	77-305TR	107	77-405TR	107
6 panel side by side	84 x 17	84.75	21.75	77-206TR	128	77-306TR	128	77-406TR	128
1 over 1, 14 x 17 inch	2 x 14 x 17	14.75	42.75	77-211TR	39	77-311TR	39	77-411TR	39
2 over 2	2 x 28 x 17	28.75	42.75	77-222TR	86	77-322TR	86	77-422TR	86
3 over 3	2 x 42 x 17	42.75	42.75	77-233TR	126	77-333TR	126	77-433TR	126
4 over 4	2 x 56 x 17	56.75	42.75	77-244TR	165	77-344TR	165	77-444TR	165
5 over 5	2 x 70 x 17	70.75	42.75	77-255TR	328 (crated)	77-355TR	328 (crated)	77-455TR	328 (crated)
6 over 6	2 x 84 x 17	84.75	42.75	77-266TR	364 (crated)	77-366TR	364 (crated)	77-466TR	364 (crated)

* Viewing height is actually 16.5 inches in order that extraneous light is eliminated when standard 14 x 17 inch film is inserted in the roller gravity grip.

** Overall recessed fixture dimensions, including recessed trim length and height, are each 3 inches greater than surface mounted dimensions.

Options		Replacement parts	
Model	Description	Model	Description
77-CS-REPL	Cluster Switching and Roller Gravity Grip (standard)	77-FAMS	Film Activated Micro Switch
77-FAS	Film Activated Switch (per panel)	77-CS-REPL	Cluster Switch
77-MS	On/Off Master Switch (per fixture)	77-MS-REPL	Master Switch for Cluster Units
	Hi/Low Dual Brightness (300 and 400 series only)	77-LC-REPL	Line Cord and Plug Assembly
77-DB300	Hi/Low Dual Brightness 300 series (per panel, includes FAS)	77-REPL-VP	Translucent Viewing Panel (per panel)
77-DB400	Hi/Low Dual Brightness 400 series (per panel, includes FAS)	77-HGP-REPL	Hospital Grade Plug
77-HGP	Hospital Grade Plug (per fixture)	77-BAL-REPL	Ballasts
77-HW	Surface Mount/Hard Wired (per fixture)	77-BAL-200	Techline 200 Series
77-HF	Handle and Non-Skid Feet (per fixture)	77-BAL-300S	Techline 300 Series single intensity
77-DVCxx	Diagnostic Viewing Center (per system)	77-BAL-300D	Techline 300 Series dual brightness
	77-DVC11 to 77-DVC44	77-BAL-400S	Techline 400 Series single intensity
	77-DVC55 and 77-DVC66	77-BAL-400D	Techline 400 Series dual brightness
	77-DVC90 (with Bright Spot capability)	Re-mount retrofit kits	
	77-DVC91 (without Bright Spot capability)	Model	Description
	77-DVC11C (1 over 1 Angulated Corner System)	77-REC/SUR	Recess to Surface (per panel)
	77-DVC00 (1 over 1 Vertical Corner System) (available in one and two panel configurations only)	77-SUR/REC	Surface to Recess (per panel)



Specifications (cont)

Surface mounted	Dimensions (inches)			200 series (2 lamp)		300 series (3 lamp)		400 series (4 lamp)	
	Viewing area*	Length	Height	Model	Shipping wgt (lb)	Model	Shipping wgt (lb)	Model	Shipping wgt (lb)
1 panel 14 x 17 inch	14 x 17	14	21	77-201TS	24	77-301TS	24	77-401TS	24
2 panel side by side	28 x 17	28	21	77-202TS	44	77-302TS	44	77-402TS	44
3 panel side by side	42 x 17	42	21	77-203TS	64	77-303TS	64	77-403TS	64
4 panel side by side	56 x 17	56	21	77-204TS	64	77-304TS	64	77-404TS	64
5 panel side by side	70 x 17	70	21	77-205TS	107	77-305TS	107	77-405TS	107
6 panel side by side	84 x 17	84	21	77-206TS	125	77-306TS	125	77-406TS	125
1 over 1, 14 x 17 inch	2 x 14 x 17	14	42	77-211TS	37	77-311TS	37	77-411TS	37
2 over 2	2 x 28 x 17	28	42	77-222TS	82	77-322TS	82	77-422TS	82
3 over 3	2 x 42 x 17	42	42	77-233TS	125	77-333TS	125	77-433TS	125
4 over 4	2 x 56 x 17	56	42	77-244TS	158	77-344TS	158	77-444TS	158
5 over 5	2 x 70 x 17	70	42	77-255TS	307 (crated)	77-355TS	307 (crated)	77-455TS	307 (crated)
6 over 6	2 x 84 x 17	84	42	77-266TS	346 (crated)	77-366TS	346 (crated)	77-466TS	346 (crated)

* Viewing height is actually 16.5 inches in order that extraneous light is eliminated when standard 14 x 17 inch film is inserted in the roller gravity grip.

Options	
Model	Description
77-CS-REPL	Cluster Switching and Roller Gravity Grip (standard)
77-FAS	Film Activated Switch (per panel)
77-MS	On/Off Master Switch (per fixture)
77-DB300	Hi/Low Dual Brightness 300 series (per panel, includes FAS)
77-DB400	Hi/Low Dual Brightness 400 series (per panel, includes FAS)
77-HGP	Hospital Grade Plug (per fixture)
77-HW	Surface Mount/Hard Wired (per fixture)
77-HF	Handle and Non-Skid Feet (per fixture)
77-DVCxx	Diagnostic Viewing Center (per system)
	77-DVC11 to 77-DVC44
	77-DVC55 and 77-DVC66
	77-DVC90 (with Bright Spot capability)
	77-DVC91 (without Bright Spot capability)
	77-DVC11C (1 over 1 Angulated Corner System)
	77-DVC00 (1 over 1 Vertical Corner System) (available in one and two panel configurations only)

Replacement parts	
Model	Description
77-FAMS	Film Activated Micro Switch
77-CS-REPL	Cluster Switch
77-MS-REPL	Master Switch for Cluster Units
77-LC-REPL	Line Cord and Plug Assembly
77-REPL-VP	Translucent Viewing Panel (per panel)
77-HGP-REPL	Hospital Grade Plug
77-BAL-REPL	Ballasts
77-BAL-200	Techline 200 Series
77-BAL-300S	Techline 300 Series single intensity
77-BAL-300D	Techline 300 Series dual brightness
77-BAL-400S	Techline 400 Series single intensity
77-BAL-400D	Techline 400 Series dual brightness
Re-mount retrofit kits	
Model	Description
77-REC/SUR	Recess to Surface (per panel)
77-SUR/REC	Surface to Recess (per panel)

Diagnostic Viewing Center (DVC)

The features and benefits of the Techline can be combined with Maxant's family of Diagnostic Viewing Center angled and corner mounting systems for maximum viewing flexibility.

The DVC angulation system creates a two tier fixture with a vertical top tier and a bottom tier angled at 20°. A Techline illuminator housed in a DVC angulations system maintains all of the standard features associated with the Techline, including centralized cluster switching, minimal 1.8 inch separation between tiers, roller gravity grip, etc. The DVC angulation system provides an optimal viewing environment for easy top to bottom image construction.

Techline illuminators may also be positioned in a DVC Corner System. The DVC Corner System combined with the DVC Angulation System provides effective use of awkward corner space. DVC corner systems allow for a single viewing panel in the top tier of the corner system and a choice for the bottom section of either: a) a painted lower panel to cover the open area; or, b) a lower panel with a bright spot capability (as shown above, bright, spot NOT included).

All DVC products may be wall or counter top mounted.

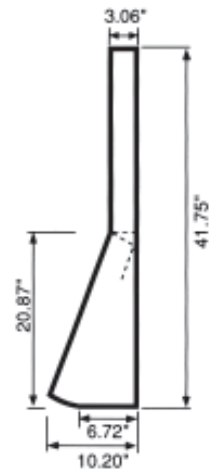
*All DVC angulation systems and corner systems must be specified at the time an order is placed. **Not All** DVC systems are retrofitable to existing fixtures.*

Other DVC angles may be available upon request.



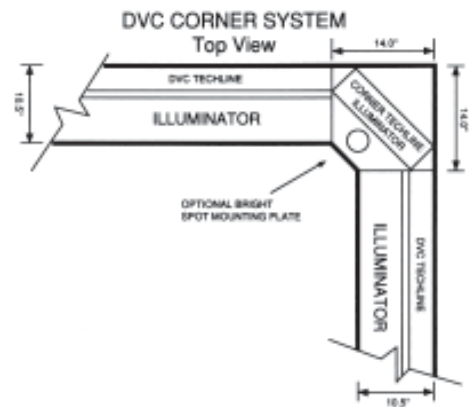
DVC Angulation Systems

Model	Description	Dimensions (inches)	
		Length	Height
77-DVC11	1 over 1 angled	14.25	41.75
77-DVC22	2 over 2 angled	28.25	41.75
77-DVC33	3 over 3 angled	42.25	41.75
77-DVC44	4 over 4 angled	56.25	41.75
77-DVC55	5 over 5 angled	70.25	41.75
77-DVC66	6 over 6 angled	84.25	41.75



DVC Corner Systems

Model	Description
77-DVC90	Corner kit with bright spot capability (bright spot not included)
77-DVC91	Corner kit without bright spot capability



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; located at 6045 Cochran Road, Cleveland, Ohio 44139-3303, USA.

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MAXANT MVP Illuminators

Models 77-xxxVS/VR Series



Diagnostic Imaging



Two panel surface mounted unit (Model 77-202VS)

Introduction

Available in configurations from a single 14 x 17 inch panel up to a six over six, the MAXANT MVP Illuminator is a two lamp light source that emits approximately 2000 NITS of luminescence designed to provide a reliable solution to most viewing needs. The FLEXI-GRIP Film Holding System handles all film thicknesses, wet or dry and requires no field adjustment. The high gloss finish is standard hospital white compatible with most medical facility decors. The shatterproof translucent viewing panel provides consistently even light diffusion and is easily removed for cleaning and maintenance. And the bottom film ledge allows for reading of multiple film sizes on a viewing area. This illuminator is the reliable light source for the value-minded customer.

Applications

The Maxant MVP Illuminators are ideal for use in clinics and private office settings. Rugged and durable, MVP Illuminators combine quality and affordability in one diagnostic viewer.

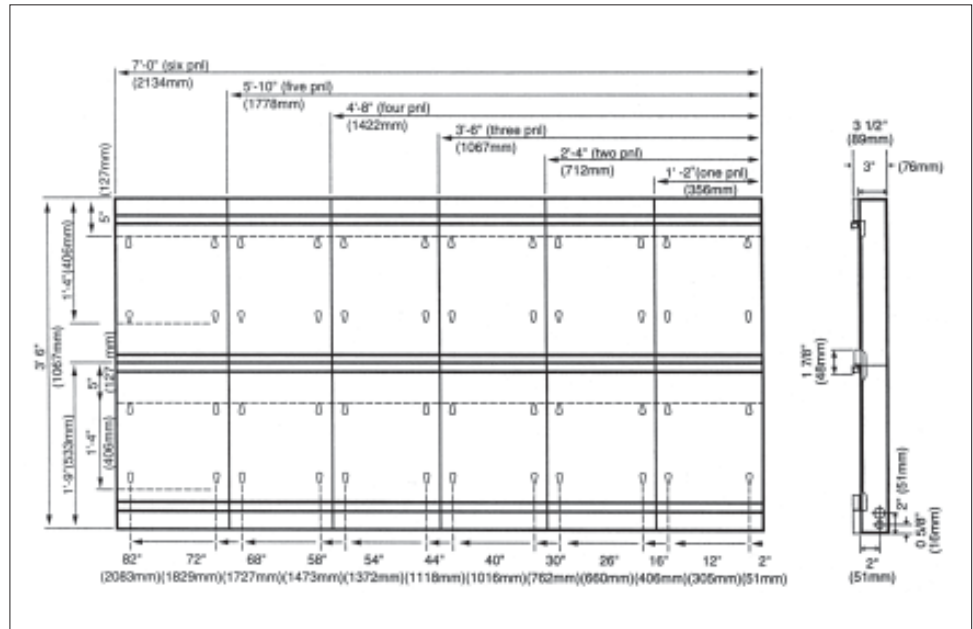
Standard Features and Benefits

- Thin 3.375 inch profile
- Sturdy steel construction
- FLEXI-GRIP, handles all film thicknesses, wet or dry
- Continuous bottom film ledge
- Minimal 1.8 inch separation between tiers of two tiered fixtures
- Shatterproof translucent panel provides consistently even light diffusion
- Engineered design easily serviced
- Baked white enamel finish
- UL listed & CSA approved

Optional Features and Benefits

- Centralized cluster switching
- Film activated micro switch
- Multi-panel master switch
- Surface mount hardware
- Hospital grade plug

- Each viewing area has a 110 V power supply. Each viewing area contains two 15 W daylight fluorescent lamps which are controlled by two ballast. The ballasts are U.L. listed and C.S.A approved
- Each MVP viewing panel 110 to 124 V, 60 Hz, 0.7 A per panel
- Two lamps: #F15T8/D or equivalent
- Ground chassis with 3 wire, 6 ft cord and NEMA 5-15, 2 pole, 3 wire ground plug
- No hazardous electrical parts are exposed when the diffusing panel is removed for cleaning or lamp replacement



Surface mounted	Dimensions (inches)			Model	Model with FAS option***	Shipping wgt (lb)
	Viewing area*	Length	Height			
1 panel 14 x 17 inch	14 x 17	14	21	77-201VS	77-201VS-FAS	17
2 panel side by side	28 x 17	28	21	77-202VS	77-202VS-FAS	33
3 panel side by side	42 x 17	42	21	77-203VS	77-203VS-FAS	50
4 panel side by side	56 x 17	56	21	77-204VS	77-204VS-FAS	67
5 panel side by side	70 x 17	70	21	77-205VS	77-205VS-FAS	84
6 panel side by side	84 x 17	84	21	77-206VS	77-206VS-FAS	101
1 over 1, 14 x 17 inch	2 x 14 x 17	14	42	77-211VS	77-211VS-FAS	33
2 over 2	2 x 28 x 17	28	42	77-222VS	77-222VS-FAS	67
3 over 3	2 x 42 x 17	42	42	77-233VS	77-233VS-FAS	101
4 over 4	2 x 56 x 17	56	42	77-244VS	77-244VS-FAS	134
5 over 5	2 x 70 x 17	70	42	77-255VS	77-255VS-FAS	278 (crated)
6 over 6	2 x 84 x 17	84	42	77-266VS	77-266VS-FAS	346 (crated)

*** *Film Activated Switches (FAS) options.*

Specifications (cont)

Recess mounted	Wall cutout**			Model	Model with FAS option***	Shipping wgt (lb)
	Viewing area*	Length	Height			
1 panel 14 x 17 inch	14 x 17	14.75	21.75	77-201VR	77-201VR-FAS	24
2 panel side by side	28 x 17	28.75	21.75	77-202VR	77-202VR-FAS	48
3 panel side by side	42 x 17	42.75	21.75	77-203VR	77-203VR-FAS	72
4 panel side by side	56 x 17	56.75	21.75	77-204VR	77-204VR-FAS	96
5 panel side by side	70 x 17	70.75	21.75	77-205VR	77-205VR-FAS	120
6 panel side by side	84 x 17	84.75	21.75	77-206VR	77-206VR-FAS	144
1 over 1, 14 x 17 inch	2 x 14 x 17	14.75	42.75	77-211VR	77-211VR-FAS	48
2 over 2	2 x 28 x 17	28.75	42.75	77-222VR	77-222VR-FAS	96
3 over 3	2 x 42 x 17	42.75	42.75	77-233VR	77-233VR-FAS	144
4 over 4	2 x 56 x 17	56.75	42.75	77-244VR	77-244VR-FAS	192
5 over 5	2 x 70 x 17	70.75	42.75	77-255VR	77-255VR-FAS	320 (crated)
6 over 6	2 x 84 x 17	84.75	42.75	77-266VR	77-266VR-FAS	368 (crated)

* Viewing height is actually 16.5 inches in order that extraneous light is eliminated when standard 14 x 17 inch film is inserted.

** Overall recessed fixture dimensions, including recessed trim length and height, are each 3 inches greater than surface mounted dimensions.

*** Film Activated Switches (FAS) options.

Options	
Model	Description (per fixture)
77-CS	Cluster Switching
77-MS	On/Off Master Switch
77-HGP	Hospital Grade Plug
77-HW	Surface Mount/Hard Wired
77-HF	Handle and Non-Skid Feet
Replacement parts	
Model	Description
77-MS-REPL	On/Off Switch
77-BAL-REPL	Ballast
77-STARTER	Starter
77-DP-REPL	Diffusion Panel (per panel)
77-LC-REPL	Line Cord and Plug Assembly
Re-mount retrofit kits	
Model	Description
77-REC/SUR	Recess to Surface (per panel)
77-SUR/REC	Surface to Recess (per panel)

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MG-7 View Box

Model 77-604



Diagnostic Imaging

A workhorse, the MG-7 is designed to give the private practitioner years of reliable use.

Easily wall-surface mounted, the MG-7's five inch depth also makes it ideal for desk top use.

Available as a single unit with a 14 x 17 inch viewing area or up to 4 in 1 (56 x 17 inch viewing area), the MG-7 features two 15 watt fluorescent lamps (1,713 Candela per square meter) a white baked enamel finish, magic grip film retainer and a 6 inch line cord with 3-prong plug.



- Ideal for desk top use
- Available in single, double, and four bank units
- Optional handle for easy transport




Specifications

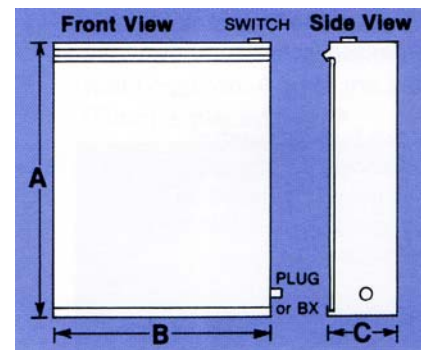
Standard features

- 2 bulbs per viewing area
- 3-prong plug
- Magic grip film retainer

Optional features

- A handle mounted on top of the box for easy transport
- Can be used on a desk top

Description	Model	Viewing area	Wall mounted dimensions			Approx. shipping weight
			A	B	C	
 Single Unit	77-604	14 x 17 in (35.6 x 43.2 cm)	18.125 in (46.0 cm)	14.125 in (35.9 cm)	5 in (12.7 cm)	13 lb (5.9 kg)
 3 Bank Unit	77-605	42 x 17 in (106.8 x 43.2 cm)	18.125 in (46.0 cm)	42.375 in (107.7 cm)	5 in (12.7 cm)	29 lb (13 kg)
 4 Bank Unit	77-606	56 x 17 in (142.4 x 43.2 cm)	18.125 in (46.0 cm)	56.5 in (143.6 cm)	5 in (12.7 cm)	60 lb (27 kg)



For additional information, please contact Cardinal Health, Radiation Management Services customer service at 440.248.9300, 800.850.4608, or fax: 440.349.2307; located at 6045 Cochran Road, Cleveland, Ohio 44139-3303, USA.

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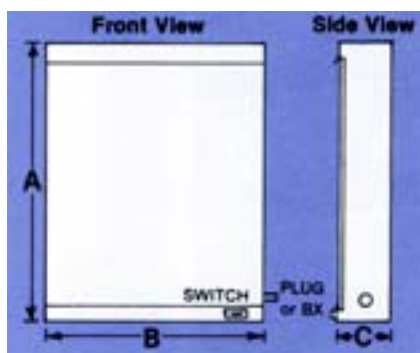
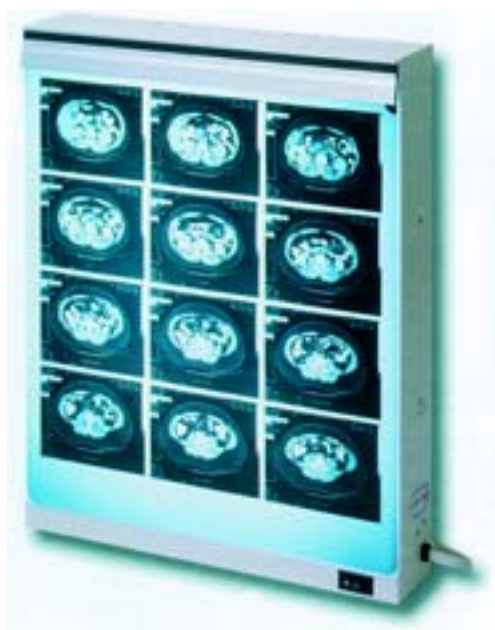
Econoline View Box

Model 77-601

- The most economical view box
- Available in six sizes
- Optional frame for recessed mounting

The Econoline is our most economical view box (6 sizes available with a kit for recessed installation).

The Econoline features two-bulb illumination, (15 watts each – 1,713 Candela per square meter), a 3.5 inch deep cabinet with a baked-on white enamel finish, a magic grip film retainer and a 6 foot line cord with a 3-prong plug.



For additional information, please contact Cardinal Health, Radiation Management Services customer service at 440.248.9300, 800.850.4608, or fax: 440.349.2307; located at 6045 Cochran Road, Cleveland, Ohio 44139-3303, USA.

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77-601-ds rev 1 10 mar 03




Specifications

Standard features

- 2 bulbs per viewing area
- 3-prong plug
- Magic grip film retainer

Optional features

- A frame for recessed mounting

Description	Model	Viewing area	Wall mounted dimensions			Approx. shipping weight
			A	B	C	
 Single Unit	77-601	14 x 17 in (35.6 x 43.2 cm)	18.125 in (46.0 cm)	14.125 in (35.9 cm)	3.5 in (9 cm)	13 lb (5.9 kg)
 2 Bulb Unit	77-602	28 x 17 in (71.2 x 43.2 cm)	18.125 in (46.0 cm)	28.25 in (71.8 cm)	3.25 in (8.3 cm)	29 lb (13 kg)
 3 Bulb Unit	77-603	56 x 17 in (142.4 x 43.2 cm)	18.125 in (46.0 cm)	56.5 in (143.6 cm)	3.5 in (9 cm)	60 lb (27 kg)

Circular Safelight

Model 77-610



Diagnostic Imaging

This economical model screws into any existing outlet. Made of aluminum, filtration is from a GBX type filter that unscrews for bulb replacement.

Specifications

Dimensions 5.25 (w) x 4.125 in (d) (13.34 x 10.48 cm)

Weight 5 lb (2.2 kg)

Available model(s)

77-610 Circular Safelight



X-Ray Utility File

Model 84-502

Easily wall-mounted via 2 keyholes, the X-Ray Utility File's generous size will hold your largest cassettes, films, jackets, files or whatever else you need to keep conveniently at hand.

The X-Ray Utility File is manufactured of steel with a baked-on white finish. The individual bins have Plexiglas® front panels that allow you to see the contents at a glance.

Uniquely, our X-Ray Utility File has a rubber mat on the bottom of the bin to cushion anything placed in it. That means no more damage to expensive cassettes. The X-Ray Utility File is available in single and double tiers.

Specifications

Model	Description	Dimensions (inches)			Weight
		Width	Height	Depth	
84-502	Single	22.25	22.375	5.25	20 lb (9 kg)
84-503	Double	22.25	44.75	5.25	40 lb (18 kg)



Cassette Carts

Model 84-501

Constructed of anodized aluminum with Danish walnut side and back panels, the Cassette Carts carry up to 64 cassettes effortlessly. Built-in dividers keep cassettes separated, and 1 inch tread strip prevents slippage. Choose from our bi-level, or single level (not shown) models.

Specifications

Dimensions 17 (w) x 32.5 (d) x 50 in (h) (43.18 x 82.55 x 127 cm)

Weight 64 lb (29 kg)

Available model(s)

84-501 Cassette Carts



For additional information, please contact Cardinal Health, Radiation Management Services customer service at 440.248.9300, 800.850.4608, or fax: 440.349.2307; located at 6045 Cochran Road, Cleveland, Ohio 44139-3303, USA.

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77-610-ds rev 1 10 mar 03

BLU-RAY™ Film Duplicator

Model 77-611

- Improved copies
- Simple to use

At last a simple, convenient method for exposing duplicating film. Copies conventional, original, digital, and video-based images. Comes with an external intensity control for improved copies. Handles films up to 14.75 inch wide. Uses one 15 watt BLB lamp (included).

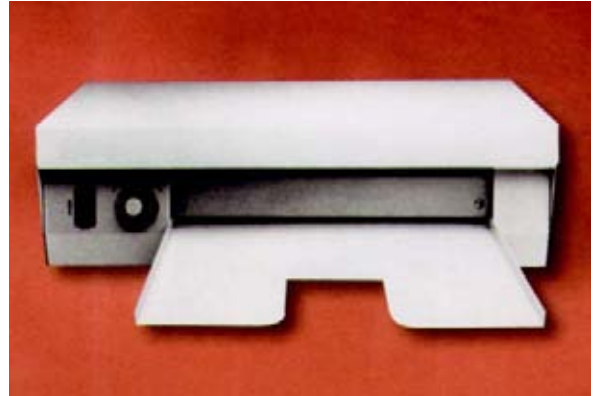
Specifications

Dimensions 13.56 (w) x 24.19 (d) x 67 in (h) (34.44 x 61.44 x 170.18 cm)

Weight 44 lb (20 kg)

Available model(s)

77-611 BLU-RAY Film Duplicator

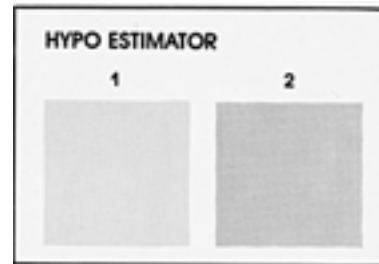


Fixer Retention QC Test Kit

for Radiographic Film

Model 18-231-2350

- Helps ensure the image quality of stored radiographs
- Determines the amount of residual fixer in processed film
- Helps eliminate degradation of image stability
- Allows you to take immediate corrective action



Too much residual fixer in processed film will have a degrading effect on the x-ray image. Over a period of time, the radiograph will start to turn brown and deteriorate, rendering it useless to the physician.

Since baseline mammograms are now advised for women as early as age 35, the radiograph might remain in storage for 40 to 50 years. To be useful, it will have to look as good then, as it does now.

The Fixer Retention Test Kit allows you to routinely monitor your film processor's washing capabilities. By applying the kit's solution to a test film and comparing the resulting stain to the comparison strip, you can quickly determine if insufficient washing has left a large amount of residual fixer on the film. This simple chemical test will show you whether the film is stable, or whether corrective action is needed to protect the long life of your radiographs.

The bottle of test chemical makes 100 ml of solution, enough to provide dozens of tests.

Specifications

Weight of kit 0.25 lb (0.12 kg)

Optional accessories

Fixer Retention Test Chemical Solution
(Model 18-231)

Hypo-Estimator Comparison Strip
(Model 18-235)

Available model(s)

18-231-2350 Fixer Retention Test Kit, includes one bottle of solution and two comparison strips

For additional information, please contact Cardinal Health, Radiation Management Services customer service at 440.248.9300, 800.850.4608, or fax: 440.349.2307; located at 6045 Cochran Road, Cleveland, Ohio 44139-3303, USA.

Specifications are subject to change without notice.

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77-611-ds rev 1 10 mar 03

Step Tablets

Model 07-443-1000 to 07-461



KODAK INDUSTREX Calibrated Step Tablet



- Designed for use in making diffuse transmission density measurements

- The density values given are traceable to NIST

The strip has 17 density steps ranging from less than 0.20 to greater than 4.0. Step nine is identified on the strip with reference marks.

Each strip is stamped with a unique number. This number is reproduced on a calibration report which accompanies each strip. The recorded densities are calibrated by methods that conform to conditions specified for ISO Standard Diffuse Visual Diffuse Transmission Density and in ANSI PH22. 19-1990; ISO 5-2:1991; ANSI PH2.18 and ISO 5-3:1984.

Specifications

Number of steps 17

Dimensions 35 mm x 10 in

Available model(s)

07-461 KODAK INDUSTREX Calibrated Step Tablet

Photographic Step Tablet

With 21 calibrated steps



- Allows standardization of densitometer readings to radiographic film density

Consists of a strip of exposed, processed photographic film with 21 calibrated steps (0.05 to 3.05 density). Each step is 10 x 35 mm. Tablet is 250 mm long x 35 mm wide.

Specifications

Density range of steps 0.04 to 4.0

Step dimensions 10 x 35 mm

Tablet dimensions 250 (l) x 35 mm (w)

Available model(s)

07-460 Photographic Step Tablet

Five-Step Calibration Step Tablet



The Five-Step Calibration Step Tablet is used to calibrate a densitometer for consistent readings. It is designed to provide a quick, accurate check of a densitometer and should be used on a regular basis, or to make adjustments when necessary.

Specifications

Density range of steps 0.04 to 4.0

Step dimensions 5 (l) x 1.2 mm (w)

Tablet dimensions 10 (l) x 52 cm (w)

Available model(s)

07-443-1000 Five-Step Calibration Step Tablet

For additional information, please contact Cardinal Health, Radiation Management Services customer service at 440.248.9300, 800.850.4608, or fax: 440.349.2307; located at 6045 Cochran Road, Cleveland, Ohio 44139-3303, USA.

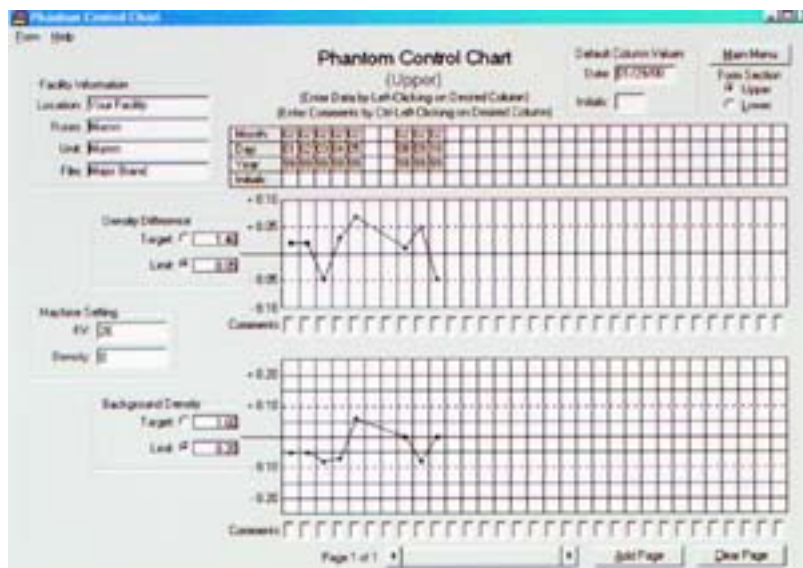
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07-443-1000-ds rev 1 10 mar 03

AutoSTPP X-Ray Film Processor QC Software Nuclear Associates Model 18-109

- Perform x-ray film processor quality control IN SECONDS with any Nuclear Associates sensitometer and densitometer, and virtually all other brands
- Measure and analyze the data...generate comprehensive reports including: control charts, D-Log-E curves, corrective action forms, and more
- Track performance for an unlimited number of film processors
- Helps you comply with MQSA, ACR, JCAHO, and state requirements



Specifications

Computer minimum requirements

Processor Personal computer with a 386DX or higher (486 recommended)

Memory 16 MB of RAM

Operating system Microsoft® Windows® 95, 98, or NT® platform

Hard disk 200 MB of free disk space on the system drive

Display 800 x 600 VGA mode required

Ports One RS-232, one parallel communications port

Printer Any Windows 95 compatible printer

Available model(s)

18-109 AutoSTPP X-Ray Film Processor QC Software

Features

- Data may be entered manually or captured directly from selected densitometers with RS-232 port
- Define your own target values
- Target values can be easily changed; no re-plotting required
- Comments can be recorded daily to clarify and record action taken
- Performs five-day (or any number of days) averaging automatically
- Performs cross-over calculations and automatically re-establishes target values
- Unlimited number of processors can be tracked
- Processor data may be tracked for years within the same data file
- Re-print charts any time you like
- Prints out H & D curves
- Identifies out-of-band points and indicates the possible source of the problem
- Allows up to five data points to be entered for a given day, for a given processor
- Allows the export and/or import of data files
- Analyzes the data according to ACR recommendations
- Facilitates compliance with MQSA, ACR, JCAHO, and state requirements

For additional information, please contact Cardinal Health, Radiation Management Services customer service at 440.248.9300, 800.850.4608, or fax: 440.349.2307; located at 6045 Cochran Road, Cleveland, Ohio 44139-3303, USA. Specifications are subject to change without notice.

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See also, AutoMAMM Deluxe Quality Control Compliance Software (Model 18-129), includes AutoMAMM Mammography QC Compliance Software and AutoSTPP Film Processor QC Software in one program.