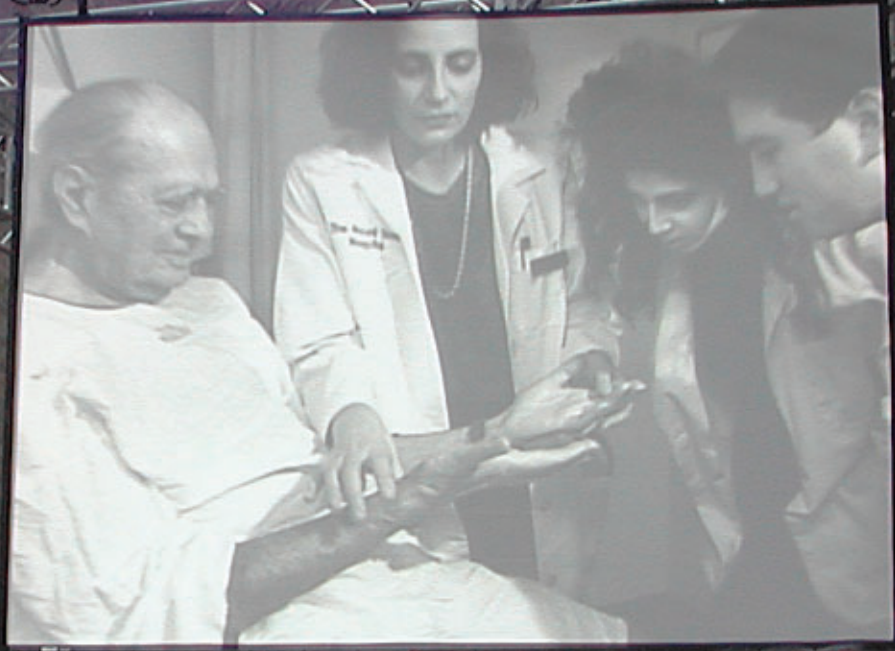


# Permanently Tensioned Projection Screens



**DRAPER**



# Permanently Tensioned Screens

You will enjoy superior image quality with a Draper permanently tensioned projection screen. The screen fabric is stretched taut on a rigid aluminum frame, providing a perfectly flat surface. A flat surface means better resolution of the projected image—in other words a sharper image.

Lightweight and easy to install. Attractive and functional. Ideal in a command and control center, boardroom, training center, home theatre or anywhere a superior image quality is in demand.

Standard and custom sizes and formats available in six models: ONYX, CLARION, SHADOWBOX CLARION, WRAPAROUND CLARION, CINEPERM, and LACE & GROMMET.

Use these models with DRAPER's electrically operated ECLIPSE Screen Masking System to switch easily and conveniently between two screen formats of your choice.



Total Entertainment. Photo courtesy of MCSi, Inc.

## Screen Surfaces

### Front Projection

**M1300**—The perfect matt white diffusing surface. Extremely broad light dispersion and spectral uniformity. Panoramic viewing angle and true color rendition. Recommended for use with any type of projector in rooms where the light level can be reasonably controlled. Washable.

**HiDef Grey**—A grey front projection surface that provides greater contrast and black reproduction than standard surfaces, with a lower gain to handle today's super-bright projectors. The grey color enhances color contrast and black levels in the projected image and also allows for more ambient light in the audience area than traditional surfaces.

**M2500**—A high-contrast front viewing surface with excellent resolution and high gain. For data-graphics projectors producing up to 1000 ANSI lumens. M2500 tolerates a higher ambient light level than most other front projection screen surfaces.

**AT1200**—The most innovative and versatile acoustically transparent screen material. It's woven, not perforated, thus reducing light loss and pixel loss. This revolutionary advance allows the viewer (and listener) to position the center channel speaker directly behind the screen—the optimum location for full range audio performance. With over 76,000 microscopic openings per square foot, AT1200 has the sound transmission characteristics of high quality speaker grille cloth. Similar in gain performance to standard matt white. Washable, flame and mildew resistant. Available in sizes through 6' x 8' or 10' diagonal. Not recommended for screens smaller than 80" wide when used with LCD or DLP projectors.

**AT Grey**—AT GREY offers the acoustical properties of our popular AT1200, while providing the best optical qualities of both matt white and HIGH CONTRAST GREY. It combines a 180° viewing cone with the vivid color contrast associated with high contrast grey materials. Available in sizes through 72" x 96" or 10' diagonal. Gain of 0.8. Not recommended for screens smaller than 80" wide when used with LCD or DLP projectors.

**Glass Beaded**—Brighter on-axis viewing than matt white surfaces within a narrower viewing cone. Some loss of clarity. Not for use with ceiling or floor mounted projectors. Flame and mildew resistant, but cannot be cleaned. Seamless in all standard sizes through 10' high.

### Rear Projection

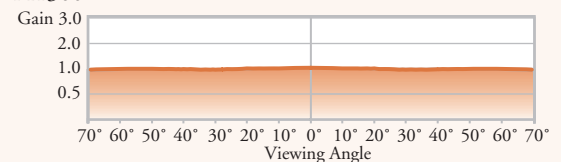
**Cineflex**—A neutral grey vinyl for rear projection. CINEFLEX has high resolution and excellent contrast, even in lighted rooms. For use with any type of projection equipment.

#### Cover Photo:

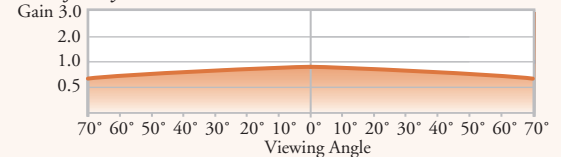
Draper's Cineperm with acoustically transparent AT1200 surface. Mt. Sinai Hospital's Crystal Ball Gala, New York. Photography by Barry Vaniman, SIA Acoustics.

### Gain Curves

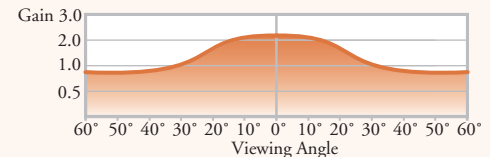
#### M1300



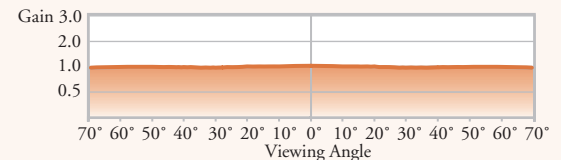
#### HiDef Grey



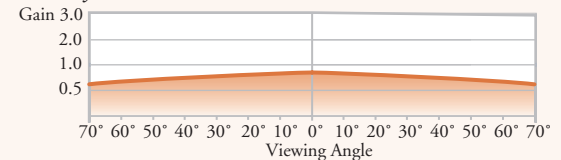
#### M2500



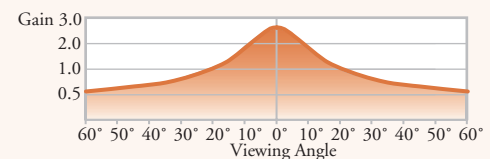
#### AT1200



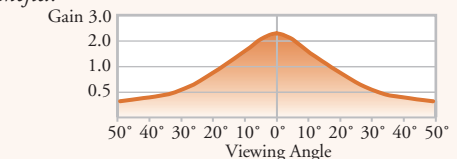
#### AT Grey



#### Glass Beaded



#### Cineflex



# Onyx

An attractive frame and a radical new fabric tensioning system make ONYX the leader in permanently tensioned screens. The frame is bevelled aluminum, black in color and 4" wide to absorb projector overscan. Draper's new "snap free" constant tensioning system applies uniform tension to the entire surface area. Assembly is quick and easy with one simple hand tool that DRAPER provides.

**Viewing Surfaces**—M1300, M2500, HiDEF GREY, acoustically transparent AT GREY or AT1200 for front projection or CINEFLEX rear projection vinyl.

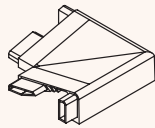
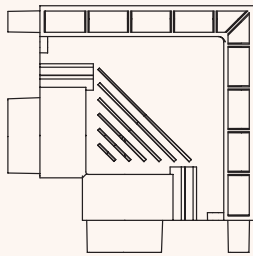
**Custom Sizes**—Any size up to the maximum standard size in the chart.

**Frame Finishes**—Black aluminum is standard. The standard black frame may be covered with velvety black VEL-TEX to eliminate reflections on the frame.

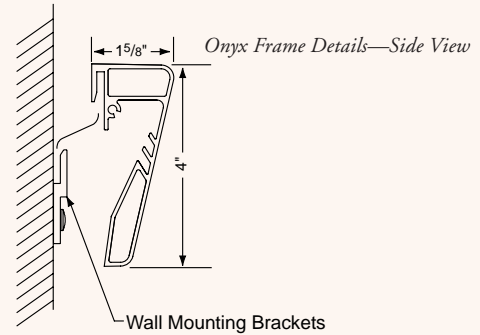
**Mounting**—Permanent wall mount (brackets included).



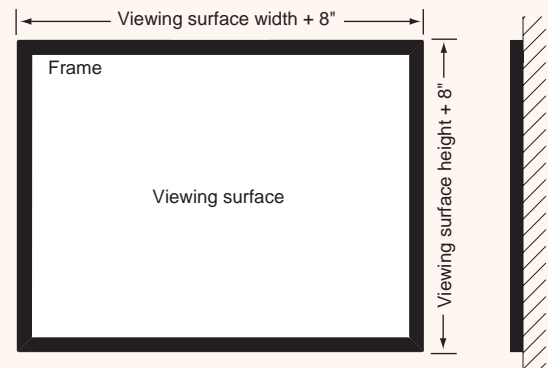
Draper's Onyx. Patent Pending. Installation by Fullhouse Media Solutions, Inc., Atlanta, GA. Photography by Ed Wolkis, Atlanta, GA.



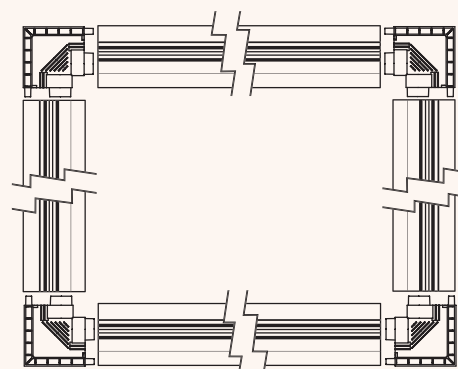
Injection molded plastic corners, form perfectly mitered edges.



Onyx Frame Details—Front View



Onyx Frame Details—Rear View



## Standard Onyx Sizes

Nominal Diagonal	Viewing Area H x W	Overall Size H x W	M1300	HiDef Grey	M2500	AT1200	AT Grey	Cineflex
<b>AV Format</b>								
	50" x 50"	58" x 58"						
	60" x 60"	68" x 68"						
	70" x 70"	78" x 78"						
	84" x 84"	92" x 92"						
	96" x 96"	104" x 104"						
	9' x 9'	116" x 116"						
	10' x 10'	128" x 128"						
<b>4:3 NTSC Video Format</b>								
6'	43" x 57"	51" x 65"						
6½'	47" x 63"	55" x 71"						
7'	50" x 67"	58" x 75"						
7½'	54" x 72"	62" x 80"						
100"	60" x 80"	68" x 88"						
10'	72" x 96"	80" x 104"						
150"	90" x 120"	98" x 128"						
15'	108" x 144"	116" x 152"						
<b>16:9 HDTV Format</b>								
92"	45" x 80"	53" x 88"						
106"	52" x 92"	60" x 100"						
119"	58" x 104"	66" x 112"						
133"	65" x 116"	73" x 124"						
161"	80" x 140"	88" x 148"						
<b>1.85:1 WideScreen Format</b>								
99"	47" x 87"	55" x 95"						
108"	49¾" x 92"	57¾" x 100"						
120"	56¼" x 104"	64¼" x 112"						
132"	62¾" x 116"	70¾" x 124"						
162"	75¾" x 140"	83¾" x 148"						

# Clarion

*Improve your image*—with a CLARION projection screen. The CLARION's viewing surface is stretched tightly over a self-concealing aluminum frame, which also forms an attractive border. The CLARION's clean, symmetrical design works perfectly in either a corporate or educational setting.

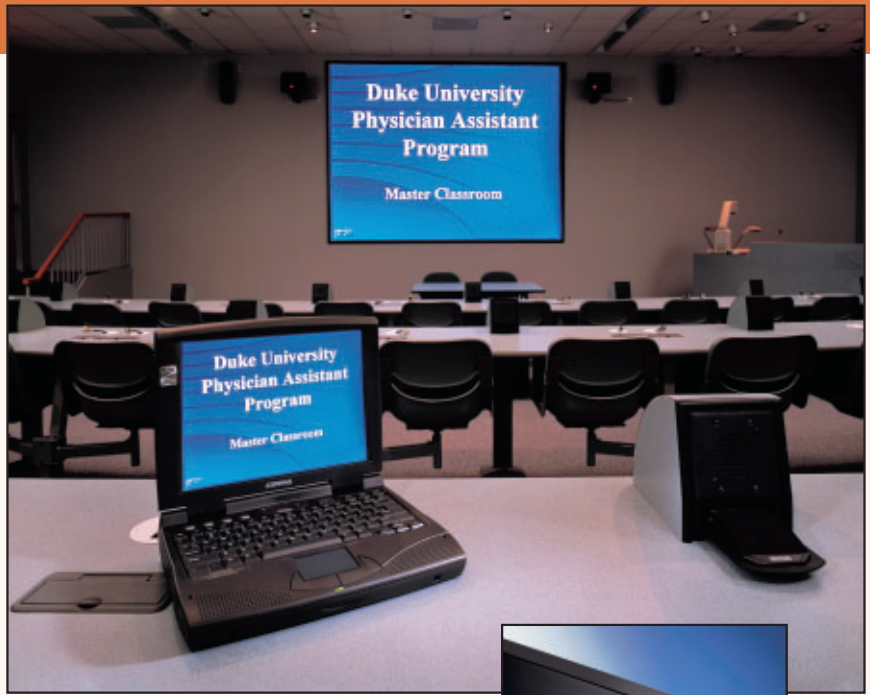
You design the system—choose viewing surface, frame finish, format and size. Custom sizes available.

**Viewing Surfaces**—M1300, M2500, HiDEF GREY, glass beaded, acoustically transparent AT GREY or AT1200 for front projection.

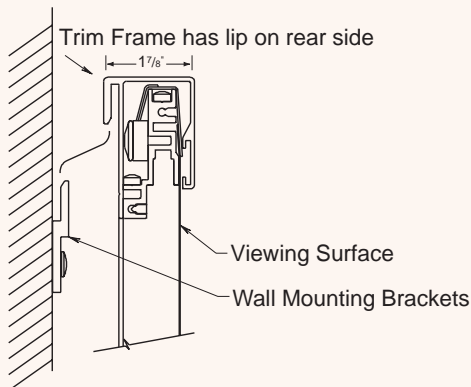
**Custom Sizes**—Any size up to the maximum standard size in the chart below.

**Frame Finishes**—Black acrylic is standard. Also available with black VEL-TEX (a velvety material that eliminates reflection on the frame).

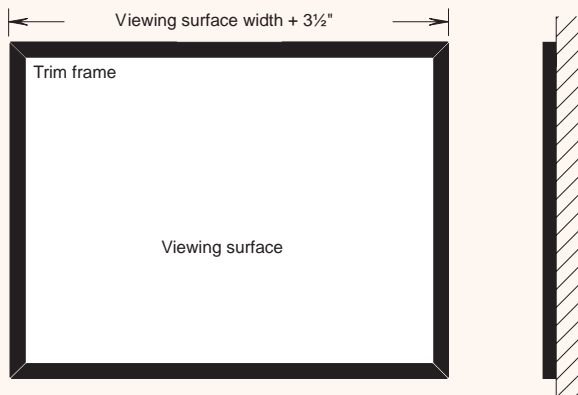
**Mounting**—Permanent wall mount (brackets included).



Clarion Frame Details—Side View



Clarion Frame Details—Front View



## Standard Clarion Sizes

Nominal Diagonal	Viewing Area H x W	Overall Size H x W	M1300	HiDef Grey	M2500	AT1200	AT Grey	Glass Beaded
<b>AV Format</b>								
50"	50" x 50"	53½" x 53½"						
60"	60" x 60"	63½" x 63½"						
70"	70" x 70"	73½" x 73½"						
84"	84" x 84"	87½" x 87½"						
96"	96" x 96"	99½" x 99½"						
9'	9' x 9'	111½" x 111½"						
10'	10' x 10'	123½" x 123½"						
<b>4:3 NTSC Video Format</b>								
6'	43" x 57"	46½" x 60½"						
6½'	47" x 63"	50½" x 66½"						
7'	50" x 67"	53½" x 70½"						
7½'	54" x 72"	57½" x 75½"						
100"	60" x 80"	63½" x 83½"						
10'	72" x 96"	75½" x 99½"						
150"	90" x 120"	93½" x 123½"						
15'	108" x 144"	111½" x 147½"						
<b>16:9 HDTV Format</b>								
92"	45" x 80"	48½" x 83½"						
106"	52" x 92"	55½" x 95½"						
119"	58" x 104"	61½" x 107½"						
133"	65" x 116"	68½" x 119½"						
161"	80" x 140"	83½" x 143½"						
<b>1.85:1 WideScreen Format</b>								
99"	47" x 87"	50½" x 90½"						
108"	49¾" x 92"	53¼" x 95½"						
120"	56¼" x 104"	59¾" x 107½"						
132"	62¾" x 116"	66¼" x 119½"						
162"	75¾" x 140"	79¼" x 143½"						



# ShadowBox Clarion

SHADOWBOX CLARION screens are constructed with a viewing surface that snaps onto the back side of a 1½" extruded aluminum frame with a black powdercoat finish. The assembled unit features a perfectly flat viewing surface with a clean, finished appearance. Overall unit size, including frame, equals image area plus 3" in each dimension.

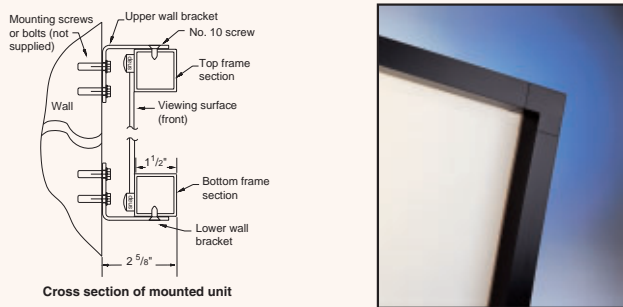
**Viewing Surfaces**—M1300, M2500, HiDEF GREY for front projection or CINEFLEX rear projection vinyl.

**Custom Sizes**—Any size up to the maximum standard size in the chart.

**Frame Finishes**—Black aluminum is standard. The standard black frame may be covered with velvety black VEL-TEX to eliminate reflections on the frame.

**Mounting**—Permanent wall mount (brackets included).

ShadowBox Clarion Frame Details—Side View



Photography by Wayne Williams.

# WrapAround Clarion

In a WRAPAROUND CLARION, the viewing surface wraps completely around the perimeter frame and attaches to the back side, so the screen is solid white—and perfectly flat—with no visible frame or border. Ideal for any application where the screen must be perfectly unobtrusive.

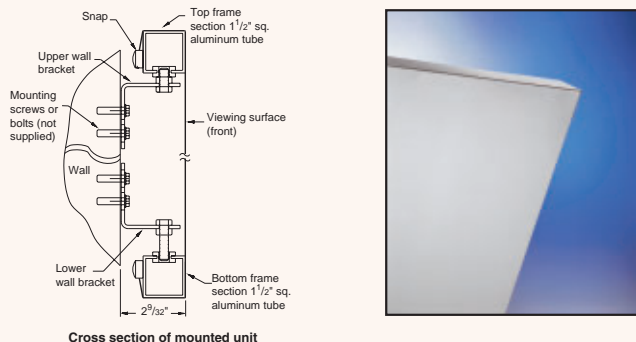
Integrating AV into a room to create a dual purpose environment? The WRAPAROUND CLARION provides the perfect solution. Wall mount or recess flush into a wall or cabinet to create a borderless look. Choose WRAPAROUND CLARION when limitations prevent recessing an electrically operated projection screen in the ceiling. Since the WRAPAROUND CLARION has no borders, the image area is equal to the overall size.

**Viewing Surfaces**—M1300, M2500 and HiDEF GREY.

**Custom Sizes**—Any size up to the maximum standard viewing area size shown in the chart at right.

**Mounting**—Permanent wall mount (brackets included).

WrapAround Clarion Frame Details—Side View



## ShadowBox Clarion Sizes

Nominal Diagonal	Viewing Area H x W	Overall Size H x W	M1300	HiDef Grey	M2500	Cineflex
<b>AV Format</b>						
	50" x 50"	53" x 53"				
	60" x 60"	63" x 63"				
	70" x 70"	73" x 73"				
	84" x 84"	87" x 87"				
	96" x 96"	99" x 99"				
	9' x 9'	111" x 111"				
	10' x 10'	123" x 123"				
<b>4:3 NTSC Video Format</b>						
6'	43" x 57"	46" x 60"				
6½'	47" x 63"	50" x 66"				
7'	50" x 67"	53" x 70"				
90"	54" x 72"	57" x 75"				
100"	60" x 80"	63" x 83"				
10'	72" x 96"	75" x 99"				
150"	90" x 120"	93" x 123"				
15'	108" x 144"	111" x 147"				
<b>16:9 HDTV Format</b>						
92"	45" x 80"	48" x 83"				
106"	52" x 92"	55" x 95"				
119"	58" x 104"	61" x 107"				
133"	65" x 116"	68" x 119"				
161"	80" x 140"	83" x 143"				
<b>1.85:1 WideScreen Format</b>						
99"	47" x 87"	50" x 90"				
108"	49¾" x 92"	52¾" x 95"				
120"	56¼" x 104"	59¼" x 107"				
132"	62¾" x 116"	65¾" x 119"				
162"	75¾" x 140"	78¾" x 143"				

# Cineperm

The CINEPERM offers a perfectly flat viewing surface with a contemporary, theatre-like appearance wherever a permanently mounted front or rear screen is required.

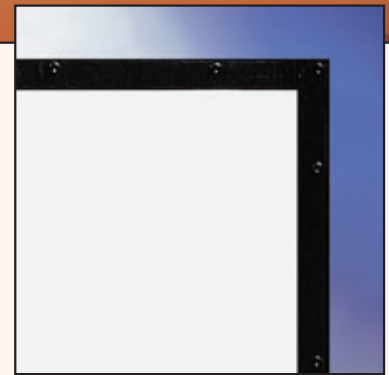
Flexible viewing surface has a 2" black leatherette border on all sides, with embedded snaps. Its 1" square tubular aluminum frame is equipped with snaps to receive the surface. Pull handles at each corner of the surface help stretch the fabric during attachment, and can be removed after snapping surface onto frame. Bordered surface conceals the frame completely.

Frame sections are color coded for easy assembly. Suitable for mounting to a wall, suspending from ceiling, or "flying" for theatrical uses.

**Viewing Surfaces**—M1300, M2500, HiDEF GREY, acoustically transparent AT GREY and AT1200 for front projection or CINEFLEX rear projection vinyl.

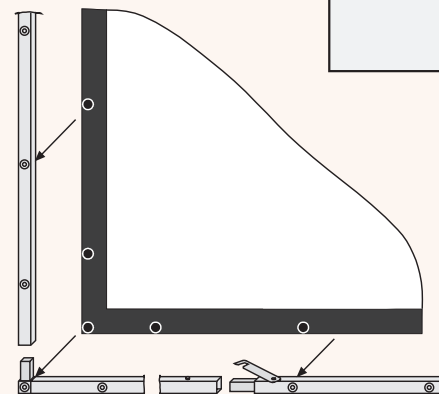
**Custom Sizes**—We make virtually any size. Overall size, including frame, equals image area plus 4". Sizes larger than 10½' x 14' are manufactured with truss-style construction, using a 6" wide frame and borders.

Convert your CINEPERM between any two projection formats at the touch of a switch with the ECLIPSE Screen Masking System.

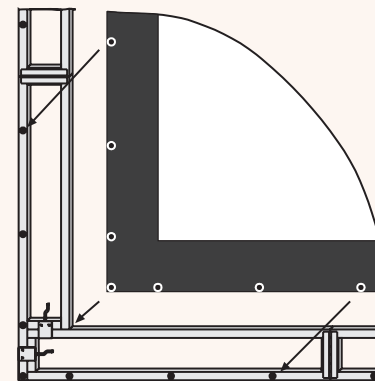


## Cineperm Sizes

Nominal Diagonal	Viewing Area H x W	Overall Size H x W	M1300	M2500	AT Grey	AT1200	HiDef Grey	Cineflex
<i>AV Format</i>								
	46" x 46"	50" x 50"						
	56" x 56"	60" x 60"						
	66" x 66"	70" x 70"						
	80" x 80"	84" x 84"						
	92" x 92"	96" x 96"						
	70" x 94"	74" x 98"						
	90" x 120"	94" x 124"						
	116" x 116"	120" x 120"						
	104" x 140"	108" x 144"						
	140" x 140"	144" x 144"						
<i>4:3 NTSC Video Format</i>								
6'	43" x 57"	47" x 61"						
6½'	47" x 63"	51" x 67"						
7½'	54" x 72"	58" x 76"						
100"	60" x 80"	64" x 84"						
10'	70" x 94"	74" x 98"						
11'	79" x 105"	83" x 109"						
150"	90" x 120"	94" x 124"						
15'	104" x 140"	108" x 144"						
200"	122" x 164"	126" x 168"						
250"	144" x 192"	156" x 204"						
25'	180" x 240"	192" x 252"						
<i>16:9 HDTV Format</i>								
92"	45" x 80"	49" x 84"						
106"	52" x 92"	56" x 96"						
119"	58" x 104"	62" x 108"						
133"	65" x 116"	69" x 120"						
161"	80" x 140"	84" x 144"						
<i>1.85:1 WideScreen Format</i>								
99"	47" x 87"	51" x 91"						
108"	49¾" x 92"	53¾" x 96"						
120"	56¼" x 104"	60¼" x 108"						
132"	62¾" x 116"	66¾" x 120"						
162"	75¾" x 140"	79¾" x 144"						



Cineperm Standard Construction



Cineperm Truss-Style Construction  
(very large sizes only)

### Photo:

Western Michigan University, CW Kirsch Auditorium, Kalamazoo, MI. Installation by Midwest Visual. Photography by Wayne Williams.

# Eclipse Screen Masking System

Today you must choose the projection format in which to view the entertainment. The more traditional video projectors, cable and satellite TV's show the image in a 4 wide by 3 high aspect ratio called NTSC Video format. Now there are three popular movie formats on the market: High Definition Television (HDTV) format is 16 wide by 9 high; WideScreen format, also called Letterbox, is 1.85 wide by 1 high; and Cinemascope format is 2.35 wide by 1 high.

DRAPER'S ECLIPSE Screen Masking System allows you to switch easily and conveniently between two screen formats of your choice. The ECLIPSE eliminates the need to buy two projection screens, and you're not left with bare white screen material. Images are fully bordered in flat black, so nothing interferes with your projected image—in any format.

The ECLIPSE is motorized and mounts to the wall, framing a CLARION or CINEPERM. Inside its narrow profile is a special channel system that keeps the screen as close as possible to the masking borders—giving the unit a seamless appearance.

The change begins with the touch of a switch—or remote control. The ECLIPSE is furnished with one 115v three-position switch (other options are available), and compatible with virtually every low voltage or 115v control system on the market.

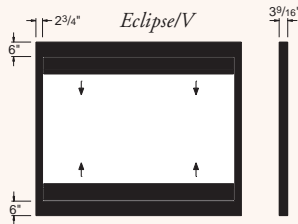
There are two models to choose from—ECLIPSE/H and ECLIPSE/V. Standard sizes are found in the charts below. Custom sizes and custom format changes are available, up to a maximum of 108" x 144" open image area. Screens are sold separately.



Eclipse/V Masking down for NTSC Video format.

## Eclipse/V

ECLIPSE/V masks the top and bottom of the screen, keeping its width intact. ECLIPSE/V transforms an NTSC Video format screen into an HDTV format or a WideScreen; a square format screen to an NTSC Video format or slide format. U.S. Patent No. 5,523,880.



## Eclipse/V to use with Clarion and Cineperm

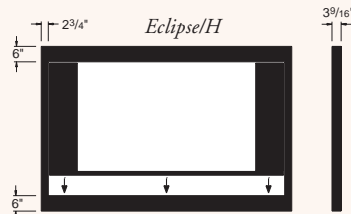
NTSC VIDEO OPEN		HDTV CLOSED		WIDE SCREEN CLOSED		Overall Dimensions
Nominal Diagonal	Image Area	Diagonal	Masked Image Area	Diagonal	Masked Image Area	
6'	43" x 57"	65½"	32" x 57"	64¾"	31" x 57"	55" x 62½"
6½'	47" x 63"	72¼"	35½" x 63"	71½"	34" x 63"	59" x 68½"
7'*	50" x 67"	77"	37¾" x 67"	76"	36" x 67"	62" x 72½"
7½'	54" x 72"	82¾"	40½" x 72"	81¾"	39" x 72"	66" x 77½"
100"	60" x 80"	92"	45" x 80"	91"	43" x 80"	72" x 85½"
10'	72" x 96"	110¼"	54" x 96"	109"	52" x 96"	84" x 101½"
11' †	79" x 105"	120½"	59" x 105"	119¼"	56¾" x 105"	91" x 110½"
150"	90" x 120"	137¾"	67½" x 120"	136¼"	65" x 120"	102" x 125½"

Square to NTSC format available. Please contact your DRAPER representative.

\* Clarion only. † Cineperm only.

## Eclipse/H

ECLIPSE/H masks a projection screen on the left and right sides, leaving its height intact. ECLIPSE/H transforms an HDTV or WideScreen format screen into an NTSC Video format screen; an NTSC Video format screen to a square format screen.



## Eclipse/H to use with Clarion and Cineperm

OPEN		VIDEO CLOSED		Overall Dimensions
Nominal Diagonal	Image Area	Nominal Diagonal	Masked Image Area	
<i>HDTV Format</i>				
92"	45" x 80"	75"	45" x 60"	57" x 85½"
106"	52" x 92"	86½"	52" x 69¼"	64" x 97½"
123"	60" x 107"	100"	60" x 80"	72" x 112½"
133"	65" x 116"	108"	65" x 86¾"	77" x 121½"
147"	72" x 128"	120"	72" x 96"	84" x 133½"
<i>WideScreen Format</i>				
95"	45" x 83¼"	75"	45" x 60"	57" x 83¾"
109½"	52" x 96¼"	86½"	52" x 69¼"	64" x 101¾"
126"	60" x 111"	100"	60" x 80"	72" x 116½"
136½"	65" x 120¼"	108"	65" x 86¾"	77" x 121½"
151½"	72" x 133¼"	120"	72" x 96"	84" x 133½"



Masking down for NTSC Video format.



Masking up for HDTV format.

### Photo:

Top: Eclipse/V Masking System and Clarion projection screen. Installation by Home Automator, Hermosa Beach, CA. Photo © Tony Bernot.

Bottom: Eclipse/H Masking System and Clarion projection screen with acoustically transparent AT1200 viewing surface. Installation by Mark Profit, AVID, Lexington, KY. Photography by Walt Roycraft, Nicholasville, KY.



# Lace & Grommet Screens

DRAPER'S LACE & GROMMET screens are furnished with 2" reinforced webbing on all four sides and grommets on 6" centers. A variety of viewing surfaces and frames are available to meet special needs. Every LACE & GROMMET screen is custom built to your order—virtually any size is available up to 30' x 90'. Ideal for theatres, auditoriums and stage events where larger size screens are needed, and frequently "flown" on a stage rather than wall mounted.

**Viewing Surfaces**—For front projection, matt white is the standard viewing surface. Glass beaded, M1300, HiDEF GREY, pearlescent and silver aluminized, are also available. For rear projection, choose CINEFLEX vinyl.

**Frames**—Available in wood, aluminum or steel, for wall or suspended mounting.

**Surface Attachment**—Choose lacing cords, springs or shock cords to attach surface to frame. Wraparound style frames are optionally available, as well as rigid masking systems for all framing systems.

## Specifications

3-part specifications can be downloaded at [www.draperinc.com](http://www.draperinc.com).

### Cineperm by Draper, Inc.

\_\_\_ Cineperm projection screens, size \_\_\_ h. x \_\_\_ w. overall dimension to include 2" border. Permanent mounting type. Snap button style projection surface with 2" reinforced black webbing on all four sides, snaps set on 6" centers. Complete with 1" square tubular aluminum frame equipped with snaps to fit surface. Projection surface of (M1300/M2500/HiDef Grey/optionalAT1200/optionalAT Grey/optional Cineflex rear projection). Truss Style Construction (Large sizes only): As above, except surface shall have 6" reinforced black webbing borders, and frame shall consist of 1" square tubular aluminum welded and reinforced in a 6" wide double truss.

### Clarion by Draper, Inc.

\_\_\_ projection screens, size \_\_\_ h. x \_\_\_ w. (overall size), designed for permanent wall mounting. Extruded aluminum base frame, equipped with snaps set on 6" centers. Extruded aluminum trim frame forms 1 3/4" border. Trim frame finished with (select: black thermosetting acrylic/optional Vel-Tex black textile covering).

Viewing surface to be seamless (select: M1300/M2500/glass beaded/HiDefGrey/optionalAT1200/optional AT Grey). Viewing surfaces to have reinforced black webbing on all four sides with snaps to fit base frame. Webbing completely concealed by trim frame. Trim frame equipped with mounting flange that mates with wall brackets.

### Eclipse/H by Draper, Inc.

\_\_\_ screen masking systems, motorized, for use with a permanently tensioned projection screen. System shall mask screen equally from each side, closing symmetrically to a preset alternate format. Drive unit inside roller, 3-wire, instantly reversible, lifetime lubricated, with adjustable limit switches,

thermal overload protector and electric brake. Operates on 110-120v AC 1 ph 60 hz current; draws 1.2 amp. Motorized roller 2" dia. x .080 wall, extruded aluminum. Opposing spring roller is 1 3/4" dia., institutional quality, with heavy-duty spring, in one-piece galvanized steel roller. Channels and roller boxes to be 6063-T5 aluminum custom extruded shapes, .060 wall, finished matte black. Masking fabric to be close woven fiberglass base textile with black vinyl film securely bonded to each side: opaque, fire retardant, washable. Fabric mounted to horizontal steel slat bar, finished matte black.

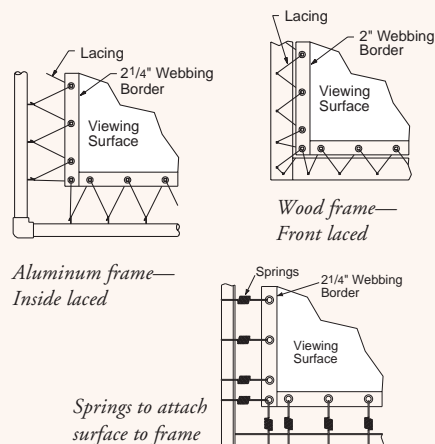
### Eclipse/V by Draper, Inc.

\_\_\_ screen masking systems, motorized, for use with a permanently tensioned projection screen. System shall mask screen equally from top and bottom, closing symmetrically to a preset alternate format. Drive unit inside roller, 3-wire, instantly reversible, lifetime lubricated, with adjustable limit switches, thermal overload protector and electric brake. Operates on 110-120v AC 1 ph 60 hz current; draws 1.2 amp. Motorized roller 2" dia. x .080 wall, extruded aluminum. Opposing spring roller is 1 3/4" dia., institutional quality, with heavy-duty spring, in one-piece galvanized steel roller. Channels and roller boxes to be 6063-T5 aluminum custom extruded shapes, .060 wall, finished matte black. Masking fabric to be close woven fiberglass base textile with black vinyl film securely bonded to each side: opaque, fire retardant, washable. Fabric mounted to steel slat bar, finished matte black, and operated by two take-up straps, of black reinforced nylon yarn, minimum break strength 250 lbs., completely concealed by side channels at all times.

### Lace & Grommet by Draper, Inc.

\_\_\_ Lace & Grommet screens, size \_\_\_ h. x \_\_\_ w., (up to 30' x 90') overall dimension, including webbing. Viewing surface to have 2 1/4" reinforced webbing borders around 4 sides of viewing area, with grommets on 6" centers. Viewing surface to be: Matt white/glass beaded/M1300/pearlescent/HiDef Grey/Cineflex rear projection/silver aluminized.

Options: Suspended or wall-mounted frames available in aluminum or steel as required. Springs available instead of lacing with steel frame.



### Onyx by Draper, Inc.

\_\_\_ Onyx projection screens, size \_\_\_ h. x \_\_\_ w. (overall size), designed for wall mounting. Extruded aluminum trim frame with injection molded corners forms 4" border on all four sides. Trim frame finished black; optional black Vel-Tex textile covering is also available.

Viewing surface to be (M1300/M2500/HiDefGrey/optional AT1200/optional AT Grey /optional Cineflex rear projection). Viewing surfaces to have 3/4" hem pocket on all four sides to accept screen insertion tubing. Surface attaches to extruded trim frame using extruded plastic strip, eliminating pulling and puckering inherent to fabric attachment utilizing snaps; Snap attachment not acceptable as equivalent. Frame extrusions shall provide for up to 1 1/2" of horizontal and vertical surface tension adjustability in 3/8" increments to combat screen stretch and sag over time. Trim frame equipped with mounting flange that mates with wall brackets. Available in custom sizes up to 20' x 20' viewing area. Patent pending.

### ShadowBox Clarion by Draper, Inc.

\_\_\_ projection screens, size \_\_\_ h. x \_\_\_ w. (overall size), designed for permanent wall mounting. To have extruded aluminum base frame, equipped with snaps set on 6" centers and finished in black. Viewing surface shall attach to rear side of frame, for shadow box appearance.

Viewing surface to be seamless (select: M1300/M2500/HiDef Grey/optional Cineflex). Viewing surfaces to have reinforced black webbing on all four sides with snaps to fit base frame. Webbing completely concealed behind frame. Frame equipped with mounting flange that mates with wall brackets.

### WrapAround Clarion by Draper, Inc.

\_\_\_ projection screens, size \_\_\_ h. x \_\_\_ w. (overall size), designed for permanent wall mounting. To have extruded aluminum base frame, equipped with snaps set on 6" centers. Viewing surface shall wrap around frame, concealing it completely, and attach to rear side.

Viewing surface shall be (select: M1300/M2500/HiDef Grey). Viewing surfaces to have reinforced black webbing on all four sides with snaps to fit base frame. Webbing completely concealed behind frame. Frame equipped with mounting flange that mates with wall brackets.

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