Visual Communication Products

I N T E R N A T I O N A L

DRAPER ®

Updated: Explore our wide range of new projection screen viewing surfaces! See page 4.

About Draper

Since 1902, Draper, Inc. has been owned and managed in Spiceland, Indiana by Luther O. Draper's family with a simple business philosophy: make a quality product and offer it at a reasonable price.

These products include projection screens, projector lifts, presentation easels, window coverings, and athletic equipment.

Draper products are sold to dealers and distributors and shipped to more than 100 countries. Draper's dedication to innovation is one reason its workforce has never experienced a layoff.

The original Draper factory, c. 1920.

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On-screen photography by Tim Thompson of Greenfield, IN, featured on pages 13, 14, 15, 24, 27, 28, 29, 30, 31, 34, and 35. On-screen photography by Benjamin Miller of Muncie, IN, featured on pages 12 and 24.

Selecting a Screen Size

The ideal screen size allows people in the back of the room to read text easily, while people in the front can see the entire screen without turning their heads.

Viewing Area Height

Commercial / Education

- Movies and films—Screen height should be at least ⅙ the distance from screen to furthest seat.
- Charts and data—Screen height should be at least ¼ the distance from screen to furthest seat.
- Complex graphics—Screen height should be at least ½ the distance from screen to furthest seat.

Home Theatre

- For movies and TV—Screen height should be at least ⅓ the distance from the screen to the best seat.

Viewing Area Width

Your screen width should be based on the height of the screen and the projection formats to be used.

Ceiling height

The bottom of the screen should be approximately 100-120cm above the floor. This rule may not apply in a tiered seating area or where there are only one or two rows of seats. In rooms with a high ceiling, extra "drop" may be needed to lower the screen for comfortable viewing.

Projector, room design, and other considerations may affect screen selection.

Common Projection Formats

Draper screens are commonly offered in the formats shown below. Other formats including custom formats and sizes are available.

Audio Visual	4:3 NTSC/PAL
16:10	16:9 HDTV

2.35:1.00 CinemaScope
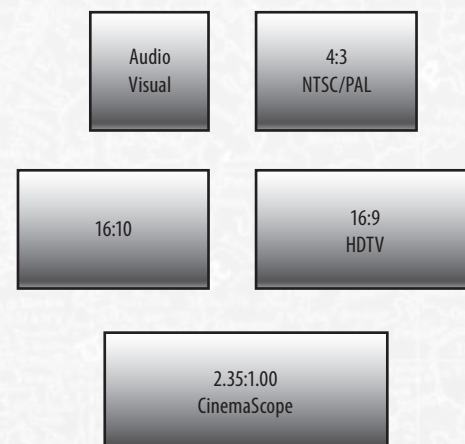
Draper's Improved Tab Tensioning

Draper is pleased to offer a significant improvement in the quality and appearance of our tab tensioned projection screens.

All Draper tab tensioned screen surfaces are now cut on CNC controlled cutting tables, including the tabs. The tabs are then folded to the backside of the screen and welded in place. The result is a much stronger tab than previously offered, with no possibility of separation. The tab and surface are fused into a single layer of material.

In addition to improved strength and reliability, this new system is also much more attractive. This method eliminates the puckering that has characterized the edges of tab tensioned screens from many manufacturers for years.

Draper's new tab tensioned projection screens are warranted for 5 years against tab separation.
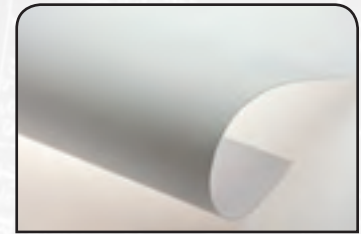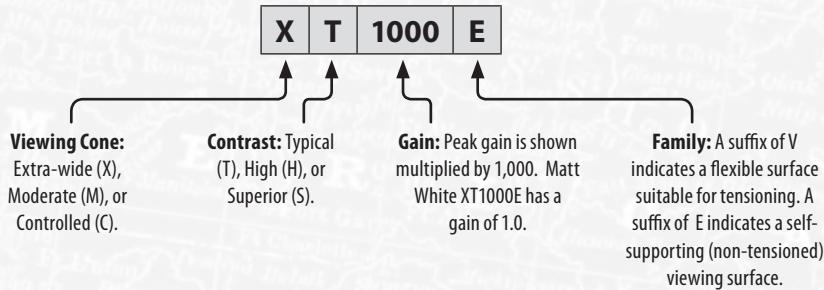
Selecting a Viewing Surface

Draper offers the industry's most comprehensive collection of viewing surfaces. We have launched many new surfaces and improved all of your old favorites with tightened tolerances and testing in Draper's new viewing surface testing lab. Every lot of projection screen surface material is thoroughly tested in our in-house lab before it is released for manufacturing.
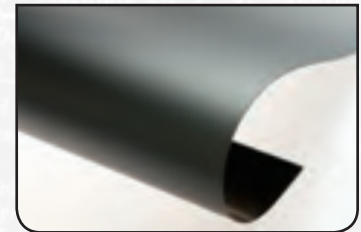
Viewing Surface Families and Names

When selecting a viewing surface, first choose the viewing surface family. Viewing surfaces are divided into four distinct families: *OptiView, OptiFlex, ClearSound, and CineFlex.*

After selecting the family, the viewing surface name helps you complete your selection. The name consists of a short descriptive phrase followed by an alphanumeric code which informs you about the viewing cone, contrast, gain, and family.

Example: Our standard self-supporting Matt White surface is named *Matt White XT1000E*, and is part of the OptiView family of viewing surfaces.

X	T	1000	E

Viewing Cone: Extra-wide (X), Moderate (M), or Controlled (C).

Contrast: Typical (T), High (H), or Superior (S).

Gain: Peak gain is shown multiplied by 1,000. Matt White XT1000E has a gain of 1.0.

Family: A suffix of V indicates a flexible surface suitable for tensioning. A suffix of E indicates a self-supporting (non-tensioned) viewing surface.

Draper's new Ecomatt XT700E

Draper's new High Performance XS850E

OptiView Family

OptiView surfaces are self-supporting and do not require tensioning to lay flat. Most surfaces in this group have a tearproof fiberglass base textile. OptiView surfaces are extremely sturdy and suitable for use in a variety of settings.

For full details about Draper's line of viewing surfaces, please visit:
www.draperinc.com/go/ScreenSurfaces.htm

Individual test results may vary. Results shown below are based on a representative sample in Draper inventory.

Matt White XT1000E

Extra Wide Viewing Cone / Typical Contrast / On-Axis Gain of 1.0
The standard to which all other screen surfaces are compared. A matt white surface diffuses projected light in all directions, so the image can be seen from any angle. Offers accurate color rendition and superior clarity due to its smooth surface. Requires some ambient light control in the audience area. Unity gain (gain of 1.0) with a 180° viewing cone. *This surface is GREENGUARD Children and Schools[SM] certified.*

MATT WHITE XT1000E

GAIN / VIEWING ANGLE

High Performance XS850E

Extra Wide Viewing Cone / Superior Contrast / On-Axis Gain of 0.85
This premium optical surface offers precise resolution, high contrast, a vivid color palette, and a remarkably broad viewing cone. Offers superior ambient light rejection capability. Recommended wherever room lighting cannot be controlled. Flame and mildew resistant.

HIGH PERFORMANCE XS850E

GAIN / VIEWING ANGLE / HORIZONTAL / VERTICAL

Contrast Grey XH800E

Extra Wide Viewing Cone / High Contrast / On-Axis Gain of 0.8
Smooth grey surface offers excellent resolution and enhances color contrast and black levels in the projected image. Recommended for use with moderate and high output digital projectors. Performs well in ambient light. Full 180° viewing cone. This surface was previously named "High Contrast Grey." *This surface is GREENGUARD Children and Schools[SM] certified.*

CONTRAST GREY XH800E

GAIN / VIEWING ANGLE

Ecomatt XT700E

Extra Wide Viewing Cone / Typical Contrast / On-Axis Gain of 0.7
Introducing the first truly sustainable projection screen surface. Cradle to Cradle^{CM} Silver certified, Ecomatt is PVC free, and is made of 100% polyester yarn. Ecomatt is fully recyclable. Ecomatt offers a pleasing image with accurate color balance over a full 180° field. Reasonable control of ambient light is recommended. Flame retardant and mildew resistant. *This surface is GREENGUARD Children and Schools^{SM} certified.*
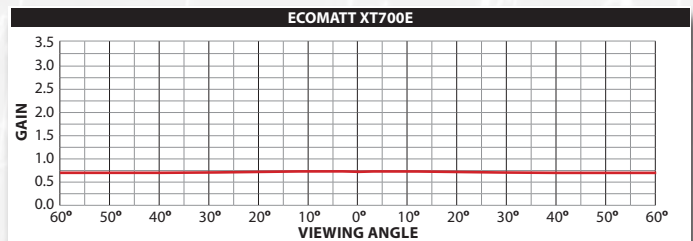
Contrast White XT1100E

Extra Wide Viewing Cone / High Contrast / On-Axis Gain of 1.1
Diffuse white coating over a grey base material yields a surface with the best qualities of both matt white and contrast grey screen fabrics. Recommended for use with low to moderate light output digital projectors, with some ambient light control. Improves the quality of blacks without affecting whites. Flame and mildew resistant.

Argent White XH1500E

Extra Wide Viewing Cone / High Contrast / On-Axis Gain of 1.5
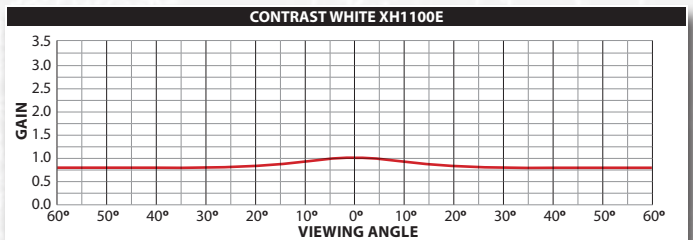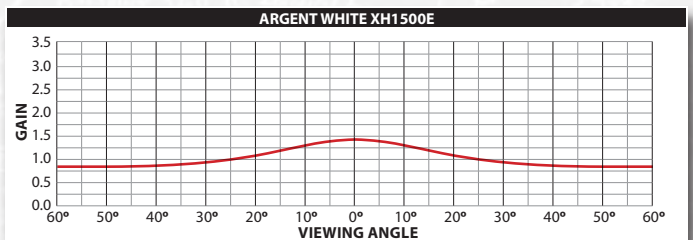Matt white base material with luminous coating. Offers high reflectivity, while maintaining a broad viewing cone. Provides excellent resolution and color balance. Recommended for moderate output projectors where ambient light cannot be controlled. Flame and mildew resistant.

Pearl White CH1900E

Controlled Viewing Cone / High Contrast / On-Axis Gain of 1.9
Matt white surface with pearlescent surface coating. Offers excellent resolution, color balance and uniformity. Tolerates ambient light. Moderate viewing cone. Flame and mildew resistant.
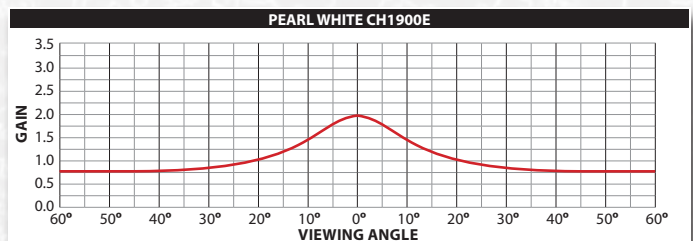
Radiant CT2900E

Controlled Viewing Cone / Typical Contrast / On-Axis Gain of 2.9
Multilayer technology produces brilliant images within a viewing cone of about 30°. This surface contains microscopic reflective spheres, sealed under a transparent washable coating. Performs well in ambient light, and offers superior resolution and color fidelity. This is a retroreflective surface, therefore projector and screen should be positioned at approximately the same height.

Contrast Radiant CH2700E

Controlled Viewing Cone / High Contrast / On-Axis Gain of 2.7
All the advantages of Radiant CT2900E, with the added benefit of a grey underlayment for superior color contrast.
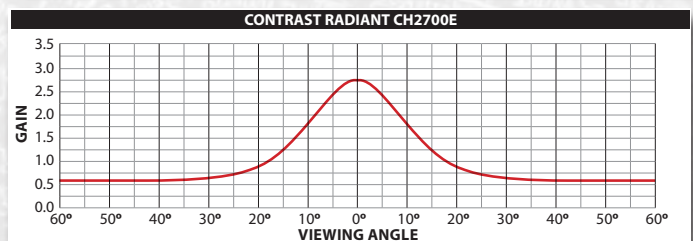
Glass Beaded CH3200E

Controlled Viewing Cone / High Contrast / On-Axis Gain of 3.2
Spherical glass beads embedded in surface provide the most brilliant image of any front screen surface, but within a fairly narrow viewing cone. Slight loss of clarity. This surface is retroreflective, so for optimum results, projector and screen should be positioned at approximately the same height. Recommended where ambient light cannot be adequately controlled. Flame and mildew resistant.
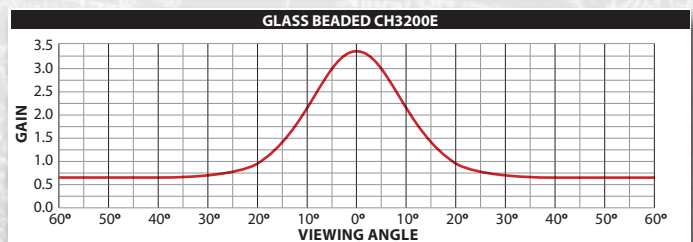
OptiFlex Family

OptiFlex surfaces are flexible and suitable for tensioning. Choose OptiFlex for the flattest front projection viewing surfaces.

Matt White XT1000V

Extra Wide Viewing Cone / Typical Contrast / On-Axis Gain of 1.0
Gain of 1.0: the perfect matt white diffusing surface. Recommended for use with all types of projectors when ambient light can be controlled. Reflects a uniformly bright image over complete 180° viewing cone with precise resolution and accurate color balance. This surface was previously named "M1300." *This surface is GREENGUARD Children and Schools[SM] certified.*

MATT WHITE XT1000V

GAIN vs. VIEWING ANGLE (60° to 60°)

Grey XH600V

Extra Wide Viewing Cone / High Contrast / On-Axis Gain of 0.6
Provides excellent contrast and black reproduction. Intended for use with moderate to high output digital projectors. Grey color enhances color contrast and black levels in the projected image. Also allows for more ambient light in the audience area than matt white surfaces. Relatively broad viewing cone. This surface was previously named "HiDef Grey." *This surface is GREENGUARD Children and Schools[SM] certified.*

GREY XH600V

GAIN vs. VIEWING ANGLE (60° to 60°)

Pearl White CH1900V

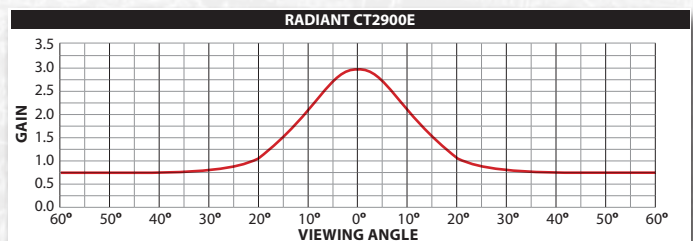***Controlled Viewing Cone / High Contrast / On-Axis Gain of 1.9***
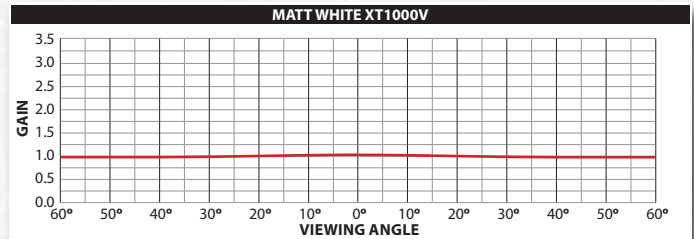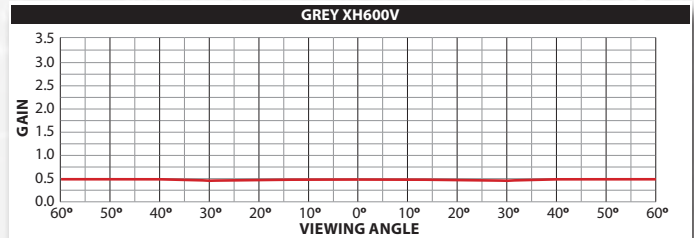Matt white surface with pearlescent coating. Offers excellent resolution, color balance and uniformity. Tolerates ambient light. Moderate viewing cone. This surface was previously named "M2500."

PEARL WHITE CH1900V

GAIN vs. VIEWING ANGLE (60° to 60°)
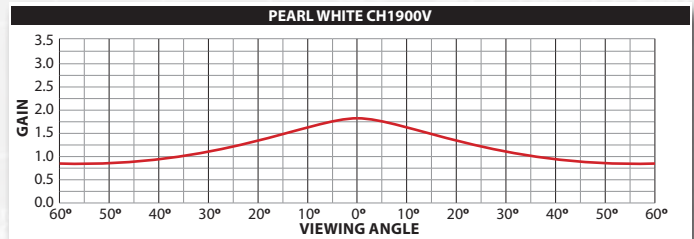
ClearSound Family

All surfaces in the ClearSound family are acoustically transparent. Standard and microscopic perforations are available, and the innovative woven acoustically transparent fabrics—first available through Draper—are also available.

ClearSound White Weave XT900E

Extra Wide Viewing Cone / Typical Contrast / On-Axis Gain of 0.9
The most innovative and versatile acoustically transparent screen material available. Reflects uniform image over full 180° field with accurate color fidelity. Acoustical properties are comparable to the highest quality speaker grille cloth. Some control of ambient light is recommended. Flame and mildew resistant. This surface was previously named "AT1200."

CLEARSOUND WHITE WEAVE XT900E

GAIN vs. VIEWING ANGLE (60° to 60°)
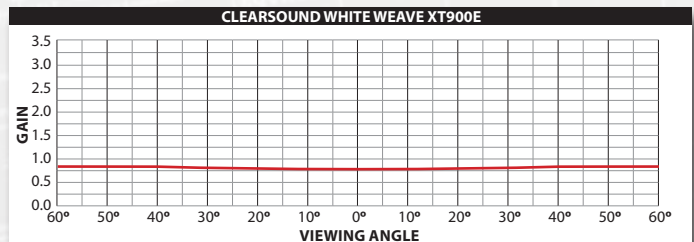
ClearSound Grey Weave XH600E

Extra Wide Viewing Cone / High Contrast / On-Axis Gain of 0.6
Offers superior acoustical properties while providing the best optical qualities of both matt white and contrast grey screen fabrics. Provides vivid color contrast over a full 180° viewing cone. Flame and mildew resistant. This surface was previously named "AT Grey."

CLEARSOUND GREY WEAVE XH600E

GAIN vs. VIEWING ANGLE (60° to 60°)
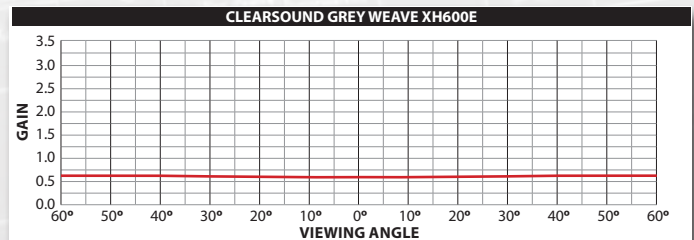
ClearSound NanoPerf XT800V

Extra Wide Viewing Cone / Typical Contrast / On-Axis Gain of 0.8
Microscopic perforations in the fabric create an acoustically transparent surface that does not compromise audio quality when speakers are placed behind the screen. The projected image is gorgeous, with a full 180° viewing cone and accurate color reproduction. Ideal for home theatre. Available on all fixed and tab-tensioned motorized screen models.

CLEARSOUND NANOPERF XT800V

ClearSound Perf XT900V

Extra Wide Viewing Cone / Typical Contrast / On-Axis Gain of 0.9
Flexible matt white perforated surface. Reasonable control of ambient light is recommended.

CLEARSOUND PERF XT900V

ClearSound Perf XT950E

Extra Wide Viewing Cone / Typical Contrast / On-Axis Gain of 0.95
Textile backed matt white perforated surface.

CLEARSOUND PERF XT950E
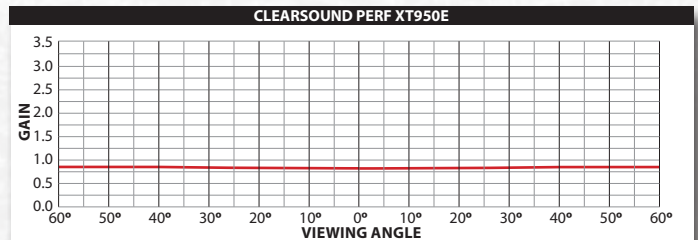
CineFlex Family

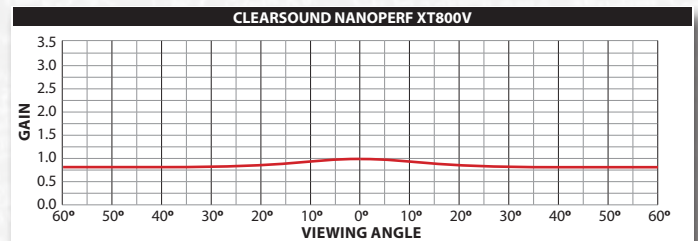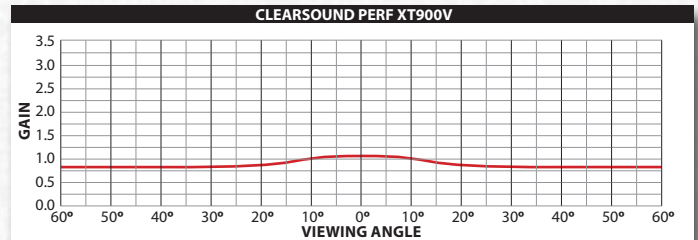Draper has offered a CineFlex flexible rear projection surface for many years. CineFlex is now a family of surfaces, offering choices of gain and color to meet a range of rear and dual front/rear projection needs.

CineFlex CH1200V

Controlled Viewing Cone / High Contrast / On-Axis Gain of 1.2
Neutral grey rear projection diffusing surface. Provides high resolution and excellent contrast, even in lighted rooms. Recommended for use with low to medium output projectors. Moderate viewing cone. This surface was previously named "Cineflex."

CINEFLEX CH1200V
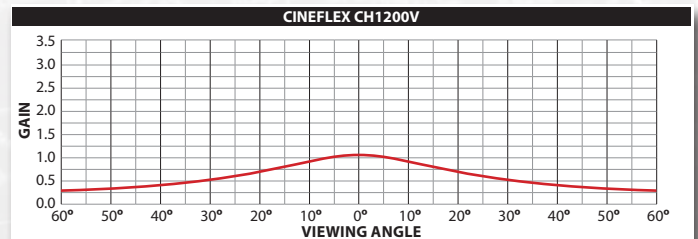
CineFlex MH800V

Moderate Viewing Cone / High Contrast / On-Axis Gain of 0.8
Low gain flexible rear material. Designed for use with high light output projectors and wide audience seating patterns. Offers rich color contrast, well-defined resolution, and a broad viewing cone. This surface was previously named "Low-Gain Cineflex."

CINEFLEX MH800V
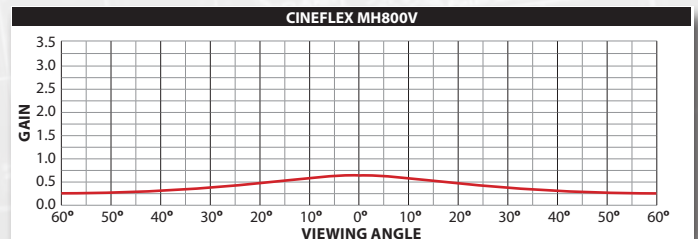
CineFlex Dual XT600V

Extra Wide Viewing Cone / Typical Contrast / On-Axis Gain of 0.6
This white projection surface works well for edge matching or edge blending applications, and can be used for front, dual, or rear projection. Broad viewing cone and high resolution in both front and rear projection applications. Reasonable control of ambient light is recommended. This surface was previously named "Uniflex White."

CINEFLEX DUAL XT600V
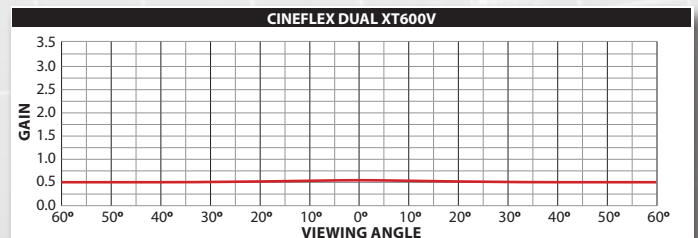
Chroma Key Surfaces
Blue and green Chroma key surfaces are available for select models. Chroma key backgrounds, also known as "blue screen" or "green screen," are used in video production and recording.

MOTORIZED PROJECTION SCREENS

PANTALLAS MOTORIZADAS DE PROYECCIÓN

ÉCRANS DE PROJECTION MOTORISÉS

MOTORISIERTE PROJEKTIONSWÄNDE

Baronet
Compact Electric Screen

Draper's most popular and economical motorized screen offers a white steel case. Universal mounting brackets allow for simple installation.

- **Baronet**—3m power cord includes inline operating switch. 110V or 220V motor.
- **Baronet/HW**—This hardwired version includes wall switch. 110V or 220V motor.

Options

- **Viewing Surfaces**—OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, Glass Beaded CH3200E, Ecomatt XT700E, Contrast Radiant CH2700E, Radiant CT2900E. ClearSound family: ClearSound Perf XT950E. ChromaKey material also available.
- **Extra Drop**—Either black or surface color.
- **Black Masking Borders**—Borders are optional for AV format screens and standard for all other format screens.
- **Wireless Remote**—Available for Baronet/HW.

Sizes

- **4:3 NTSC/PAL Format**—from 72" (183cm) to 120" (305cm) diagonal.
- **16:9 HDTV Format**—from 65" (165cm) to 106" (269cm) diagonal.
- **16:10 Format**—from 67" (170cm) to 109" (277cm) diagonal.
- **AV Format**—from 127cm x 127cm to 244cm x 244cm.

Custom formats and sizes are available.

Salara
A Design Statement

The Salara's small, elliptical case and domed endcaps are finished in solid white. Floating wall mounting brackets grip the screen case securely. Power connection at back of case.

- **Salara/HW**—Hardwired model includes wall switch. 110V or 220V motor.
- **Salara/Plug & Play™**—Includes a built-in receiver and hand-held IR transmitter. It also includes 3m of IEC power cord, which plugs into socket in back of case and nearest 110V US 3-pin wall outlet. For 220V choose UK 3-pin or European 2-pin plug.

Options

- **Viewing Surfaces**—OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, Glass Beaded CH3200E, Ecomatt XT700E, Contrast Radiant CH2700E, Radiant CT2900E. ClearSound family: ClearSound White Weave XT900E, ClearSound Grey Weave XH600E, and ClearSound Perf XT950E.
- **Extra Drop**—Either black or surface color.
- **Black Masking Borders**—Borders are optional for AV format screens and standard for all other format screens.
- **Controls**—Can be furnished with standard control options. See page 19.
- **Built-In IR Receiver**—Includes a hand-held infrared remote control. IR receiver is built into the endcap and includes additional interface for dry contact closure and RS232.

Sizes

- **4:3 NTSC/PAL Format**—from 72" (183cm) to 120" (305cm) diagonal.
- **16:9 HDTV Format**—from 65" (165cm) to 106" (269cm) diagonal.
- **16:10 Format**—from 67" (170cm) to 109" (277cm) diagonal.
- **AV Format**—from 127cm x 127cm to 244cm x 244cm.

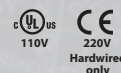*Custom formats and sizes are available.*

Patent Pending.

Baronet

Baronet Case

Baronet Case

c(UL)us 110V   CE 220V Hardwired only

Salara

Salara Case

Salara Case

c(UL)us 110V   CE 220V

Targa–Contemporary Electric Screen

110V

220V
Hardwired
only
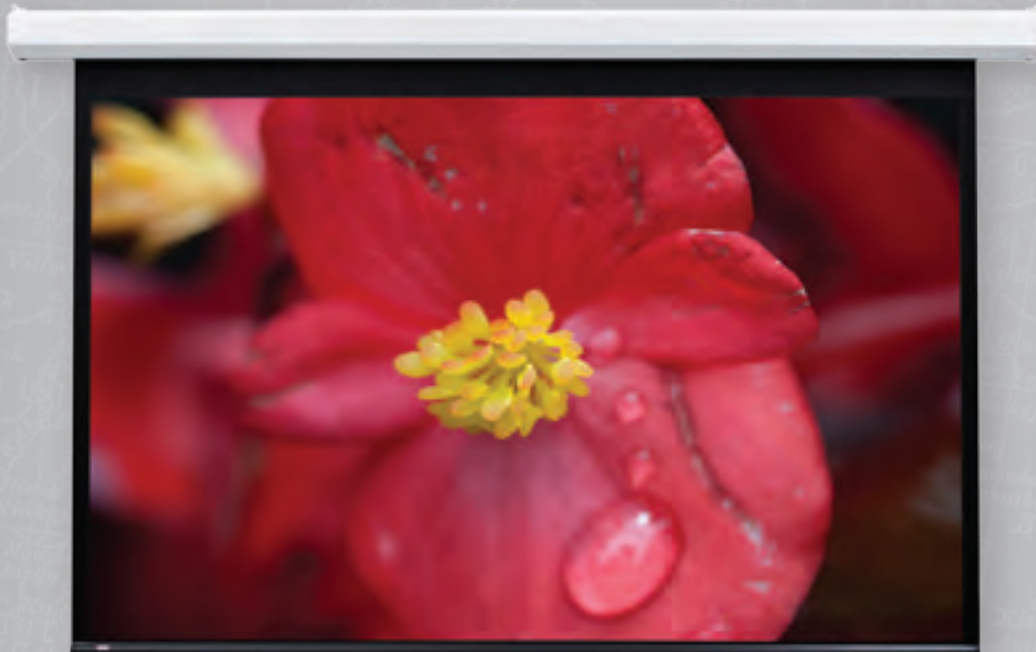
Targa

Motor-in-roller design provides reliable, quiet operation. The viewing surface is centered in the case for a balanced appearance. The pentagonal steel case and endcaps are finished in white.

Options

- **Viewing Surfaces**—OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, Glass Beaded CH3200E, Ecomatt XT700E, Contrast Radiant CH2700E, Radiant CT2900E. ClearSound family: ClearSound White Weave XT900E, ClearSound Grey Weave XH600E, and ClearSound Perf XT950E. ChromaKey material also available.

- **Extra Drop**—Additional drop is optional in either black or surface color.

- **Black Masking Borders**—Optional for AV format screens and standard for all other format screens

- **Controls**—Can be furnished with standard control options. See page 19.

- **Motors**—Some sizes available with optional Quiet Motors, Motors with Built-In Low Voltage Controller, or Quiet Motors with Built-In Low Voltage Controller.

- **Plug & Play**—Includes an installed power cable that plugs into a 110V US 3-pin wall outlet. For 220V choose UK 3-pin or European 2-pin plug. See page 11. *Note: 220V Plug & Play option is not CE approved.*

- **Floating Brackets**—Draper's new floating bracket makes it easier than ever to mount your Targa or Premier projection screen. Mount wall brackets to your support structure, and hang the wall screen onto the wall brackets where it is convenient.

Sizes

- **4:3 NTSC/PAL Format**—from 72" (183cm) to 240" (610cm) diagonal.

- **16:9 HDTV Format**—from 65" (165cm) to 220" (559cm) diagonal.

- **16:10 Format**—from 67" (170cm) to 222" (564cm) diagonal.

- **AV Format**—from 127cm x 127cm to 488cm x 488cm viewing area.

Cusom sizes are available.

Some sizes require large style case.

Ceiling Opening Trim Kit

Designed for ceiling-recessed installation of Premier and Targa screens. Trims out the opening and forms a finished slot in the ceiling allowing for the viewing surface.

Slot measures only 5cm in width. The slot is always exactly the right size and in precisely the right location. Trim kit is attractive and can be easily cut to match the same length as the screen case, if necessary.

Trim kit is not compatible with Premier or Targa with large style case.

Standard Case   Large Case

Floating Bracket

Floating Bracket
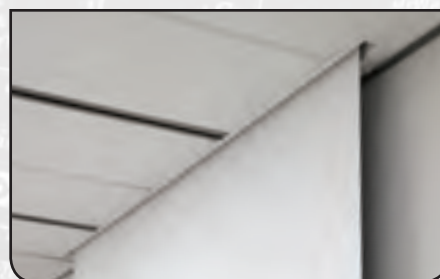
Ceiling Opening Trim Kit

Premier–Perfectly Flat Surface
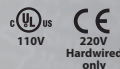
Premier

Premier features a quiet motor-in-roller design. Draper's Tab Tensioning System holds the viewing surface perfectly flat. Suitable for either wall or suspended mounting.

- For crank-operated version, please see page 22.

Options

- **Viewing Surface**—OptiFlex family: Matt White XT1000V, Grey XH600V, and Pearl White CH1900V. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V. ClearSound family: ClearSound NanoPerf XT800V and ClearSound Perf XT900V.
- **Extra Drop**—30cm black drop at top of screen is standard. Additional drop is optional in either black or surface color.

- **Black Masking Borders**—standard for Premier.
- **Controls**—Can be furnished with standard control options. See page 19.
- **Motors**—Some sizes available with optional Quiet Motors, Motors with Built-In Low Voltage Controller, or Quiet Motors with Built-In Low Voltage Controller.
- **Plug & Play**—Includes an installed power cable that plugs into a 110V US 3-pin wall outlet. For 220V choose UK 3-pin or European 2-pin plug. *Note: 220V Plug & Play option is not CE approved.*
- **Case Finish**—Black (standard) or white.
- **Floating Bracket**—Draper's new floating bracket makes it easier than ever to mount your Targa or Premier projection screen. Mount wall brackets to your support structure, and hang the wall screen onto the wall brackets where it is convenient.

Sizes

- **4:3 NTSC/PAL Format**—from 72" (183cm) to 240" (610cm) diagonal.
- **16:9 HDTV Format**—from 65" (165cm) to 220" (559cm) diagonal.
- **16:10 Format**—from 67" (170cm) to 226" (574cm) diagonal.
- **AV Format**—from 127cm x 127cm to 366cm x 488cm viewing area.

Custom formats and sizes are available.

Some sizes require large style case.

Standard Case

Large Case

Plug & Play option. European 2-pin and UK 3-pin plug options shown at the right.

Access–Easily Upgraded

c(UL)us 110V   CE 220V Hardwired only

Access

The Access case is a ceiling-recessed, extruded aluminum headbox designed to be installed during construction of a facility. The viewing surface and motor-in-roller can be installed or upgraded at the same time or any time later.

- **Access/Series V**—Motorized screen featuring Draper's Tab Tensioning System. Viewing Surfaces from the OptiFlex family: Matt White XT1000V, Grey XH600V, and Pearl White CH1900V. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V. ClearSound family: ClearSound NanoPerf XT800V and ClearSound Perf XT900V.

- **Access/Series E**—Motorized screen with a free-hanging viewing surface. Viewing Surfaces from the OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, Glass Beaded CH3200E, Ecomatt XT700E, Contrast Radiant CH2700E, Radiant CT2900E. ClearSound family: ClearSound White Weave XT900E, ClearSound Grey Weave XH600E, and ClearSound Perf XT950E. ChromaKey material also available.

For manually operated version, see page 21.

- **Access MultiView**—Series V or Series E screen and a masking system in one case. A flat black mask on a second motor-in-roller masks the screen's width. Contact Draper for details and sizes.

Options

- **Extra Drop**—30cm black drop at top of screen is standard for Series V. Either black or surface color for Series E.

- **Black Masking Borders**—Standard for most formats. Optional for Series E in AV format.

- **Controls**—Can be furnished with standard control options. See page 19.

- **Motors**—Some sizes available with optional Quiet Motors, Motors with Built-In Low Voltage Controller, or Quiet Motors with Built-In Low Voltage Controller.

Sizes

- **4:3 NTSC/PAL Format**—from 72" (183cm) to 200" (508cm) diagonal.

- **16:9 HDTV Format**—from 92" (234cm) to 184" (467cm) diagonal.

- **16:10 Format**—from 94" (239cm) to 189" (480cm) diagonal.

- **AV Format**—from 127cm x 127cm to 366cm x 366cm viewing area.

Custom formats and sizes are available.

US Patent Nos. 6,137,629; 6,421,175; 6,532,109; 6,816,308; 7,559,707.
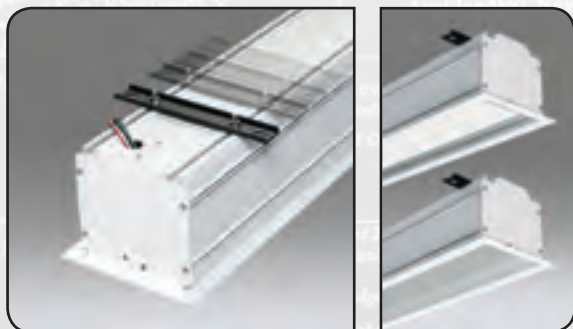
Access Case

- Sliding brackets on top of case allow unlimited adjustment for mounting.
- Pre-wired junction box inside case, and cable exit holes on top.
- "Pin connector" electrical connection.
- Trim flange around the case supports ceiling tile.
- Bottom is removable without tools for screen installation or maintenance.
- Sliding brackets inside the case accommodate different sizes of screen in the same case.

Ultimate Access–Motorized Ceiling Closure

Ultimate Access

All the advantages of the Access, plus an independently motorized ceiling closure. When closed, the motorized closure forms a solid bottom panel. Press a button and the closure panel opens and the viewing surface descends. Hinges are invisible.

- **Ultimate Access/Series V**—Includes Draper's Tab Tensioning System. Viewing Surfaces from the OptiFlex family: Matt White XT1000V, Grey XH600V, and Pearl White CH1900V. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V. ClearSound family: ClearSound NanoPerf XT800V and ClearSound Perf XT900V.

- **Ultimate Access/Series E**—Viewing surfaces from the OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, Glass Beaded CH3200E, Ecomatt XT700E, Contrast Radiant CH2700E, Radiant CT2900E. ClearSound family: ClearSound White Weave XT900E, ClearSound Grey Weave XH600E, and ClearSound Perf XT950E.

Options

- **Extra Drop**—30cm black drop at top of screen is standard on tab-tensioned screens. Additional drop optional in either black or surface color for Series E.

- **Black Masking Borders**—Optional for Series E in AV format. Borders are standard for all other Ultimate Access screens.

- **Controls**—Can be furnished with standard control options. See page 19.

- **Motors**—Available with optional Quiet Motors.

Sizes

- **4:3 NTSC/PAL Format**—from 72" (183cm) to 180" (457cm) diagonal.

- **16:9 HDTV Format**—from 92" (234cm) to 161" (409cm) diagonal.

- **16:10 Format**—from 94" (239cm) to 165" (419cm) diagonal.

- **AV Format**—from 127cm x 127cm to 366cm x 366cm viewing area.

Custom formats and sizes are available.

US Patent Nos. 5,341,241; 6,137,629; 6,421,175; 6,532,109; 6,816,308; 7,559,707.
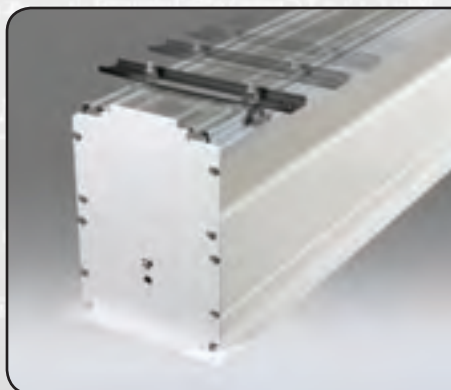
Ultimate Access Case

- Independently motorized ceiling closure.
- Sliding brackets on top of case allow unlimited adjustment for mounting.
- Pre-wired junction box inside case, and cable exit holes on top.
- "Pin connector" electrical connection.
- Trim flange around the case supports ceiling tile.
- Bottom is removable without tools for screen installation or maintenance.
- Sliding brackets inside the case accommodate different sizes of screen in the same case.

Access XL–Bigger and Better
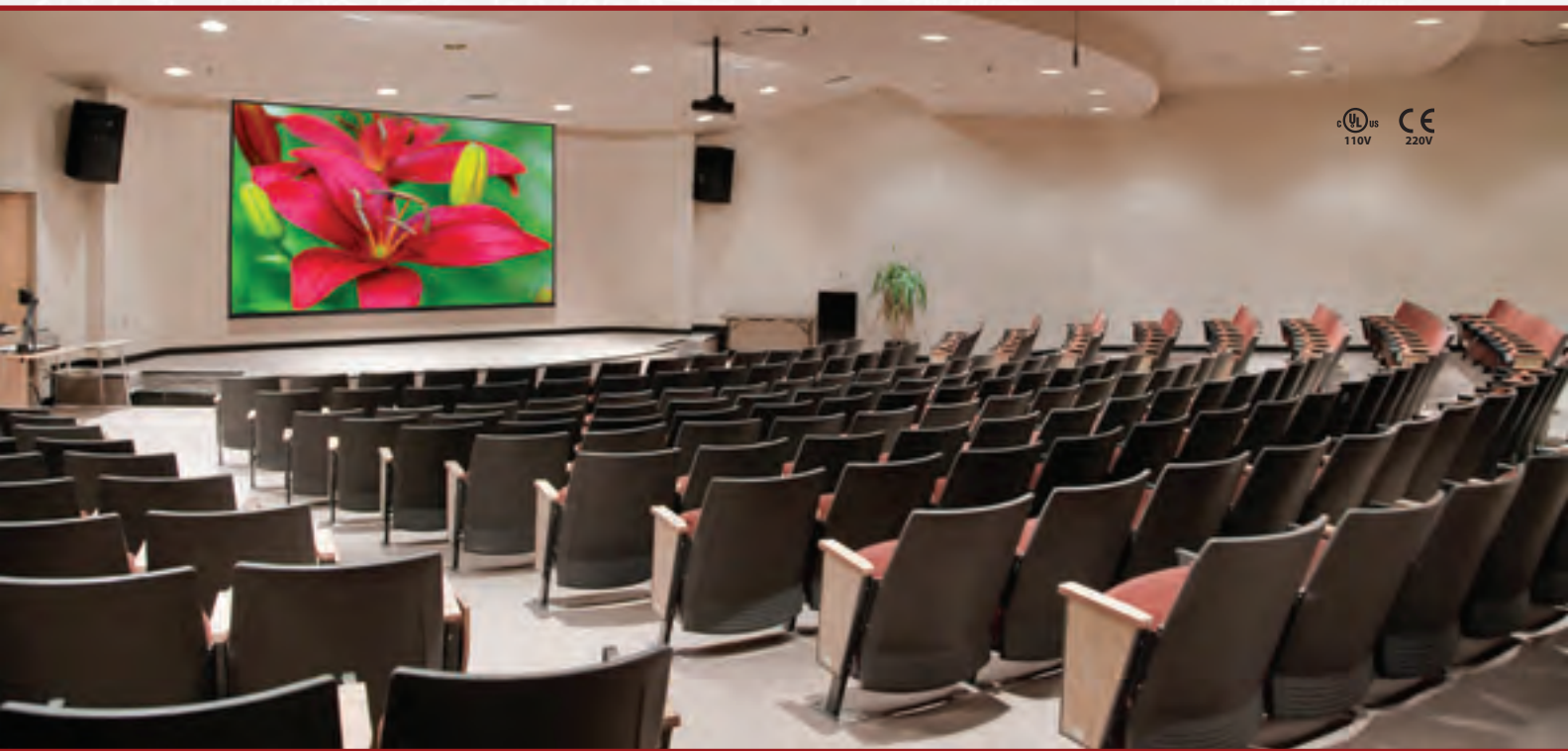
Access XL

Draper's new Access XL projection screen offers many of the benefits of our existing Access screen but in sizes designed for even larger audiences.

Install the Access XL case first and the screen later to avoid screen damage during construction. Sliding adjustable mounting brackets provide flexible installation options.

Sleek white ceiling-recessed case installs above ceiling. Case trim flange finishes the ceiling opening neatly. Motor-in-roller assures quiet and smooth operation.

- **Access XL/Series V**—Includes Draper's Tab Tensioning System. Viewing Surfaces from the OptiFlex family: Matt White XT1000V, Grey XH600V, and Pearl White CH1900V. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V. ClearSound Family: ClearSound Perf XT900V.

- **Access XL/Series E**—Viewing surfaces from the OptiView family: Matt White XT1000E or Glass Beaded CH3200E. ClearSound family: ClearSound Perf XT950E.

Options

- **Extra Drop**—30cm black drop at top of screen is standard on tab-tensioned screens. Additional drop optional in either black or surface color for Series E.

- **Black Masking Borders**—Standard for most formats. Optional for Series E in AV format.

- **Controls**—Can be furnished with standard control options. See page 19.

- **Motors**—Available with optional motors with Built-In Low Voltage Controller.

Sizes

- **4:3 NTSC/PAL Format**—210" (534cm) to 270" (686cm) diagonal for Series V, and 200" (508cm) to 295" (749cm) diagonal for Series E.

- **16:9 HDTV Format**—193" (490cm) to 248" (630cm) diagonal for Series V, and 184" (467cm) to 270" (686cm) diagonal for Series E.

- **16:10 Format**—198" (503cm) to 255" (648cm) diagonal for Series V, and 189" (480cm) to 278" (706cm) diagonal for Series E.

- **AV Format**—320cm x 427cm to 549cm x 549cm for Series V, and 320cm x 427cm to 610cm x 610cm for Series E.

Custom formats and sizes are available.

US Patent Nos. 6,137,629; 6,421,175; 6,532,109; 6,816,308; 7,559,707.

Access XL Case

- Sliding brackets on top of case allow unlimited adjustment for mounting.
- Pre-wired junction box inside case, and cable exit holes on top.
- "Pin connector" electrical connection.
- Trim flange around the case supports ceiling tile.
- Bottom is removable without tools for screen installation.
- Sliding brackets inside the case accommodate different sizes of screens.

Signature®
Automatic Ceiling Closure

The Signature is designed to be recessed in the ceiling. The ceiling closure is independently motorized and disappears into the white case when the screen is lowered.

- **Signature/Series V**—Includes Draper's Tab Tensioning System. Viewing Surfaces from the OptiFlex family: Matt White XT1000V, Grey XH600V, and Pearl White CH1900V. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V. ClearSound family: ClearSound NanoPerf XT800V and ClearSound Perf XT900V.

- **Signature/Series E**—Viewing surfaces from the OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, Glass Beaded CH3200E, Ecomatt XT700E, Contrast Radiant CH2700E, Radiant CT2900E. ClearSound family: ClearSound White Weave XT900E, ClearSound Grey Weave XH600E, and ClearSound Perf XT950E.

Options

- **Extra Drop**—30cm black drop at top of screen is standard on tab-tensioned screens. Additional drop optional in either black or surface color for Series E.
- **Black Masking Borders**—Borders are optional for Series E in AV format. Borders are standard for all other Signature screens.
- **Controls**—Can be furnished with standard control options. See page 19.
- **Motors**—Available with optional Quiet Motors.

Sizes

- **4:3 NTSC/PAL Format**—from 72" (183cm) to 240" (610cm) diagonal.
- **16:9 HDTV Format**—from 92" (234cm) to 220" (559cm) diagonal.
- **16:10 Format**—from 94" (239cm) to 226" (574cm) diagonal for Series V. From 94" (239cm) to 222" (564cm) for Series E.
- **AV Format**—from 127cm x 127cm to 366cm x 488cm for Series V. From 127cm x 127cm to 488cm x 488cm for Series E.

Custom formats and sizes are available

US Patent No. 5,341,241.

Signature closed   Signature open
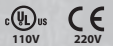
Rolleramic
Large Motorized Screen

The Rolleramic is a heavy-duty motorized projection screen designed for large audiences. It is ideal for either wall or suspended mounting in auditoriums or lecture halls.

Options

- **Viewing Surface**—OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, and Glass Beaded CH3200E. ClearSound family: ClearSound Perf XT950E. ChromaKey material also available.
- **Extra Drop**—Either black or surface color.
- **Black Masking Borders**—Borders are optional for AV format screens and standard for all other format screens.
- **Controls**—Can be furnished with standard control options. See page 19.
- **Triangular Shaped Steel Slat**—With a ceiling recessed screen, the optional triangular slat can close flush with the ceiling, for a clean appearance.

Size

- **4:3 NTSC/PAL Format**—from 72" (183cm) to 300" (762cm) diagonal.
- **16:9 HDTV Format**—from 92" (234cm) to 270" (686cm) diagonal.
- **16:10 Format**—from 94" (239cm) to 278" (706cm) diagonal.
- **AV Format**—from 127cm x 127cm to 610cm x 610cm.

Custom formats and sizes are available

Rolleramic Case
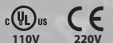
Paragon–Largest Motorized Screen

Paragon Case

Paragon

Ideal for auditoriums and lecture halls. White extruded aluminum case can be suspended anywhere.

- **Paragon/Series V**—Includes Tab Tensioning System. Viewing Surface from the OptiFlex family: Matt White XT1000V. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V. ClearSound Family: ClearSound Perf XT900V.

- **Paragon/Series E**—Viewing surfaces from the OptiView family: Matt White XT1000E or Glass Beaded CH3200E.

Options

- **Extra Drop**—Either black or surface color for Series E. Black for Series V.

- **Black Masking Borders**—Standard for most Paragon screens; optional for AV format.

- **Controls**—Can be furnished with standard control options. See page 19.

- **Wall Mount Bracket Kit**—Includes brackets for attaching case to wall.

- **Ceiling Tile Flange Kit**—White extruded aluminum kit to support ceiling tile.

Sizes

- **4:3 NTSC/PAL Format**—from 250" (635cm) to 360" (914cm) diagonal for Series V, and from 300" (762cm) to 420" (1067cm) diagonal for Series E.

- **16:9 HDTV Format**—from 227" (577cm) to 324" (823cm) diagonal for Series V, and from 270" (686cm) to 384" (975cm) diagonal for Series E.

- **16:10 Format**—from 234" (594cm) to 335" (851cm) diagonal for Series V, and from 278" (706cm) to 381" (968cm) diagonal for Series E.

- **AV Format**—from 412cm x 549cm to 549cm x 732cm for Series V, and from 457cm x 610cm to 640cm x 854cm diagonal for Series E.

Custom formats and sizes are available.

US Patent No. 6,873,461.

Silhouette–21st Century Design

Silhouette

The Silhouette's elegant shape consists of gently rounded aluminum. Silhouette shows no exposed mounting fixtures or fasteners. The viewing surface retracts completely inside the case.

- **Silhouette/Series V**—Tab Tensioned, motorized screen with viewing surfaces from the OptiFlex family: Matt White XT1000V, Grey XH600V, and Pearl White CH1900V. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V. ClearSound family: ClearSound NanoPerf XT800V and ClearSound Perf XT900V.

- **Silhouette/Series E**—Motorized with viewing surfaces from the OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, Glass Beaded CH3200E, Ecomatt XT700E, Contrast Radiant CH2700E, Radiant CT2900E. ClearSound family: ClearSound White Weave XT900E, ClearSound Grey Weave XH600E, and ClearSound Perf XT950E.

For manually-operated Silhouette models, see page 22

Options

- **Extra Drop**—Either black or surface color for Series E. Black for Series V.

- **Black Masking Borders**—Optional for Series E or M in AV format. Borders are standard for all other Silhouette screens.

- **Controls**—Can be furnished with standard control options. See page 19.

- **Motors**—Available with optional Quiet Motors, Motors with Built-In Low Voltage Controller, or Quiet Motors with Built-In Low Voltage Controller.

- **Plug & Play**—Includes an installed power cable that plugs into a 110V US 3-pin wall outlet. For 220V choose UK 3-pin or European 2-pin plug. See page 11 *Note: 220V Plug & Play option is not CE approved.*

- **Case Finish**—White (standard), black, or dove grey.

Sizes

- **4:3 NTSC/PAL Format**—from 72" (183cm) to 120" (305cm) diagonal.

- **16:9 HDTV Format**—from 65" (165cm) to 106" (269cm) diagonal.

- **16:10 Format**—from 67" (170cm) to 109" (277cm) diagonal.

- **AV Format**—from 127cm x 127cm to 244cm x 244cm.

Custom formats and sizes are available.

US Patent Nos. 5,296,964; 6,111,694.

Silhouette Case

Nocturne™ —Exterior Projection Screen

Nocturne

Take your entertainment outside! Draper's Nocturne projection screen is designed for outdoor use on your patio, by your pool, or wherever you can imagine.

Easily raise or lower a motorized Nocturne with the touch of a wall switch, remote, or integrate it seamlessly into existing home automation systems. Choose the crank-operated version for areas where electricity is unavailable.

Weather and insect resistant solid aluminum headbox includes hinged fascia for easy installation and service. Weighted dowel and side cable guides ensure maximum stability in breezy situations.

- **Nocturne/Series E**—Motorized screen with viewing surfaces from the OptiView Family: Matt White XT1000E and Contrast Grey XH800E. ClearSound Family: ClearSound Perf XT950E. 110V or 220V available. 220V is not CE approved.

- **Nocturne/Series C**—Crank operated with viewing surfaces from the OptiView Family: Matt White XT1000E and Contrast Grey XH800E.

Options

- **Case Finish**—White finish is standard. Also available in silver, ivory, charcoal, bronze, or black.

- **Controls**—Can be furnished with standard control options. See page 19.

Sizes

- **4:3 NTSC/PAL Format**—from 6' (183cm) to 150" (381cm) diagonal.

- **16:9 HDTV Format**—from 65" (165cm) to 133" (338cm) diagonal.

- **16:10 Format**—from 94" (239cm) to 137" (348cm) diagonal.

Custom formats and sizes are available.

Nocturne case and cable guide

Nocturne dowel and cable guide

Motorized Screen Controls

Controls for standard motors

- **Standard 3-position switch**—Draper motorized screens include one 3-position switch ① (110V) or surface mounted Euro Switch ② (220V only).

Optional controls for standard motors

- **Multiple Station Controls**—Similar to switches ① and ② described above, but prevents two signals from reaching the motor at the same time.

- **Low Voltage Controls**—LVC-III ③ control is available with one or more attractive 3-button LVC-S switches ④ . LVC-III (without switches) provides contact closure for master control systems and is equipped with connections for Draper RF or IR receivers.

- **Radio Frequency Remote Control**—RF transmitter ⑤ with 3-button control. For use only with Draper LVC-III or MC1 control units.

- **Infrared Remote Control**—IR transmitter ⑥ with 3-button control. For use only with Draper LVC-III or MC1 control units. Fully compatible with "learnable" IR master control systems.

- **MC1: Low Voltage Control with RS232**—Offers interface for dry contact closure and RS232. MC1 ⑦ allows for IR and RF control connections.

Euro Switch
110V   220V   LVC-III   LVC-S

①   ②   ③   ④

RF Transmitter   IR Transmitter   MC1

⑤   ⑥   ⑦
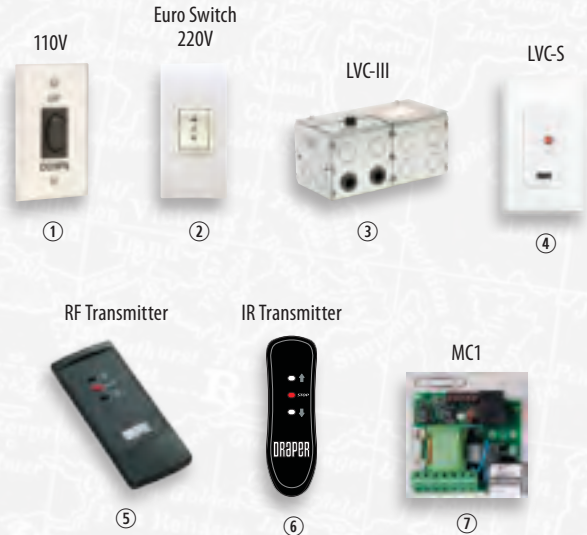
Optional Motors

Standard Draper motorized projection screens are provided with a 110V or 220V motor. Many Draper motorized projection screens are available with optional quiet motors and/or built-in low voltage controllers.

Quiet Motors / Motors with Built-In Low Voltage Controller

- **Quiet Motor**—Motor noise is reduced by approximately 30%. Perfect for applications where noise reduction is important—from churches and libraries to board rooms and home theaters. Compatible with standard motor controls shown above.

- **Motor with Built-in Low Voltage Controller**—Eliminates the need for an external low voltage control module. Includes 3-button wall switch ④ above. Also compatible with wireless remote control ⑤ shown above.

- **Quiet Motor with Built-in Low Voltage Controller**—Combines the benefits of quiet operation and low voltage control, eliminating the need for an external low voltage control module. Includes 3-button wall switch ④ above. Also compatible with wireless remote control ⑤ shown above.

Quiet Motor Size Limitations

110V Quiet Motor Limitation by Screen Type	4:3 NTSC/PAL Format	16:9 HDTV Format	16:10 Format	AV Format
Tab Tensioned Screens	132" (335cm)	119" (302cm)	123" (312cm)	244cm x 244cm
Non-Tensioned Screens with OptiView Viewing Surfaces	180" (457cm)	184" (467cm)	165" (419cm)	274cm x 366cm

220V Quiet Motor Limitation by Screen Type	4:3 NTSC/PAL Format	16:9 HDTV Format	16:10 Format	AV Format
Tab Tensioned Screens	120" (305cm)	106" (269cm)	109" (277cm)	244cm x 244cm
Non-Tensioned Screens with OptiView Viewing Surfaces	180" (457cm)	161" (409cm)	165" (419cm)	274cm x 366cm

Controls for optional motors

- **Single Station Low Voltage Wall Switch with 8m data cable**—Provided as standard with motors with built-in low voltage controller. Wall switch ⑧ is used to operate screen and set limit switches.

- **Wireless Remote Control**—3 button wireless IR or RF remote control ⑨ .

Low Voltage   IR or RF
Wall Switch   transmitter

⑧   ⑨
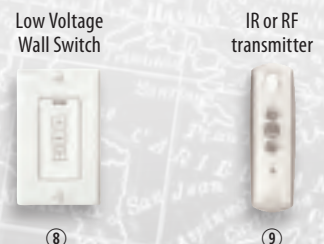
MANUAL PROJECTION SCREENS

PANTALLAS MANUALES DE PROYECCIÓN

ÉCRANS DE PROJECTION MANUELS

MANUELLE PROJEKTIONSWÄNDE

Contact Draper, Inc. at +1 765.987.7999

Access/Series M

The Access/Series M is a versatile spring-roller operated screen that can be recessed neatly and easily in the ceiling. Only an Access screen lets you install the case during construction and the viewing surface at a later date to eliminate job site damage.

For motorized Access Series screens, see page 12.

Options

- **Viewing Surface**—OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, Glass Beaded CH3200E, Ecomatt XT700E, Contrast Radiant CH2700E, and Radiant CT2900E.
- **Extra Drop**—White is standard in AV format; black for others.
- **Black Masking Borders**—Optional in AV format, standard for other formats.
- **AutoReturn Roller**—The screen unrolls in the conventional manner, then slowly and gently retracts after a simple tug on the handle. See description below.
- **Aluminum Operating Pole**—Choice of two sizes: 122cm and 188cm.

Sizes

- **4:3 NTSC/PAL format**—from 72" (183cm) to 180" (457cm) diagonal.
- **16:9 HDTV format**—from 92" (234cm) to 161" (409cm) diagonal.
- **16:10 format**—from 94" (239cm) to 165" (419cm) diagonal.
- **AV format**—from 127cm x 127cm to 366cm x 366cm.

Custom formats and sizes are available. US Patent Nos. 6,532,109; 6,816,308; 7,559,707.

Accessories for Manual Screens

Wall Extension Brackets

Adjustable Brackets—Extend screen 46cm, 51cm, or 60cm from wall using adjustable brackets. For Luma 2 through 244cm wide and all sizes of Luma and Star.

Non-Adjustable Brackets—Screen can be extended 15cm, 25cm, or 35cm from wall using non-adjustable brackets. For Luma 2 through 244cm wide and all sizes of Luma, Star, V Screen, Silhouette, and Premier/Series C.

T-Bar Twist Clips

Using T-Bar Twist Clips, you can mount screens directly to the T-irons that support suspended ceilings—without tools. Recommended for the Star and Luma in sizes through 178cm x 178cm (70" x 70"), and for all V Screens.

AutoReturn Roller

AutoReturn is an optional spring roller that allows the screen surface to unroll normally, then slowly and gently retract after a simple tug on the handle. Features a built-in mechanism that slows the screen surface while it retracts.

Features

- Viewing surface pulls down easily, like a standard spring roller operated projection screen.
- Return the screen to the case with a simple pull—no repetitive tugging is required. Screen surface retracts slowly and smoothly into the case, slowing even more as it approaches its upper limit.
- Intermediate stop positions allow you to lower or raise the screen completely, or stop at any point in between.

Wall Extension Brackets

46 cm (18¼") | 61 cm (24")
51 cm (20")

46cm to 60cm
Adjustable
Bracket

51cm
Adjustable
Bracket

25 cm (10")

36 cm (14")

15cm
Non-Adjustable
Bracket

25cm or 35cm
Non-Adjustable
Bracket

25cm or 35cm
Non-Adjustable
Bracket
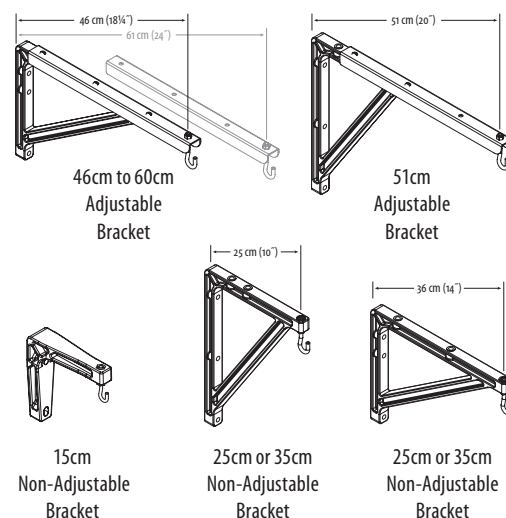
Silhouette
With an Elegant Appearance

The Silhouette's innovative case installs cleanly and conceals everything: mounting fixtures, fasteners, and even the dowel retracts inside the case. The front fascia removes easily for access to the inside components. Separate mounting brackets attach anywhere along the back of the case for easy mounting.

Silhouette/Series M—is spring-roller operated. Viewing surfaces from the OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, Glass Beaded CH3200E, Ecomatt XT700E, Contrast Radiant CH2700E, and Radiant CT2900E.

Silhouette/Series C—Operated by a detachable aluminum crank. Features Draper's Tab Tensioning System for a perfectly flat projection surface. Viewing surfaces from the OptiFlex family: Matt White XT1000V, Grey XH600V, and Pearl White CH1900V. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V.

For motorized Silhouette models, see page 17.

Options

- **Extra Drop**—Black or surface color available for Series M, and black is available for Series C screens.
- **Black Masking Borders**—Borders are optional for Series M in AV format, and standard for all other formats. Borders are standard for Silhouette/Series C.
- **AutoReturn Roller**—AutoReturn allows the Silhouette/Series M surface to unroll in the conventional manner, then slowly and gently retracts after a simple tug on the handle. See description on page 21.
- **Case Finishes**—Choose a white (standard), black, or dove grey lightly textured finish.
- **Extension Brackets**—These brackets allow you to extend your screen away from the wall to avoid obstacles. See page 21.

Sizes

- **4:3 NTSC/PAL format**—from 72" (183cm) to 120" (305cm) diagonal for Series M and Series C.
- **16:9 HDTV format**—from 65˝ (165cm) to 106˝ (269cm) diagonal for Series M, and 92" (234cm) or 106" (269cm) for Series C.
- **16:10 format**—from 67˝ (170cm) to 109˝ (277cm) diagonal for Series M.
- **AV format**—from 127cm x 127cm to 244cm x 244cm for Series M and Series C.

Custom formats and sizes are available.

US Patent Nos. 5,296,964; 6,111,694.

Premier/Series C
Crank-Operated with Tensioning

Premier/Series C is a manually operated screen with a perfectly flat viewing surface. The Tab Tensioning System delivers perfect picture quality and meets the exacting requirements of large-screen video and data projection. Operated by a detachable, polished aluminum crank. Steel case and dowel are finished in flat black.

Options

- **Viewing Surface**—OptiFlex family: Matt White XT1000V, Grey XH600V, and Pearl White CH1900V. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V.
- **Extra Drop**—Either black or surface color. Extra drop will increase the overall length of the case.
- **Black Masking Borders**—Standard for all formats.
- **Extension Brackets**—These brackets allow you to extend your screen away from the wall to avoid obstacles. See page 21.

Sizes

- **4:3 NTSC/PAL Format**—from 72" (183cm) to 180" (457cm) diagonal.
- **16:9 HDTV Format**—from 92" (234cm) to 161˝ (409cm) diagonal.
- **AV Format**—from 127cm x 127cm to 366cm x 366cm.

Custom formats and sizes are available.

Salara/Series M
A Design Statement

The Salara's small, elliptical case and domed endcaps are finished in solid white. Floating wall mounting brackets grip the screen case securely. The Salara/Series M viewing surface is spring roller operated.

Options

- **Viewing Surface**—OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, Glass Beaded CH3200E, Ecomatt XT700E, Contrast Radiant CH2700E, and Radiant CT2900E.
- **Extra Drop**—Either black or surface color.
- **Black Masking Borders**—Borders are optional for AV format screens and standard for all other formats.
- **AutoReturn Roller**—AutoReturn allows the Salara/Series M surface to unroll in the conventional manner, then slowly and gently retracts after a simple tug on the handle. See description on page 21.

Sizes

- **4:3 NTSC/PAL Format**—from 72" (183cm) to 120" (305cm) diagonal.
- **16:9 HDTV Format**—from 65" (165cm) to 106" (269cm) diagonal.
- **16:10 Format**—from 67" (170cm) to 109" (277cm) diagonal.
- **AV Format**—from 127cm x 127cm to 244cm x 244cm.

Custom formats and sizes are available.

V Screen
Five Year Warranty

All Draper V Screens are warranted against defects in materials and workmanship for five years from the date of shipment from manufacturer.

The Draper V Screen is the longest lasting classroom wall screen, at a very reasonable price. Its design is extremely simple. The screen roller is supported by a strong aluminum bar.

The V Screen has durable components and a tearproof Matt White XT1000E viewing surface from the OptiView family. It installs easily on a wall, map rail or ceiling.

Options

- **Extension Brackets**—These brackets allow you to extend your screen away from the wall to avoid obstacles. See page 21.
- **T-Bar Twist Clips**—Mount screens directly to T-irons supporting suspended ceilings.

Sizes

- **AV Format**—from 102cm x 102cm to 274cm x 274cm.

Custom formats and sizes are available.

Star
Economical and Durable

Durable construction and attractive design at an economical price. The cylindrical steel case is finished in white. Endcaps form universal hanging brackets which may be attached to wall, ceiling or map rail hooks. Matt White XT1000E viewing surface from the OptiView family is standard.

Options

- **Extension Brackets**—These brackets allow you to extend your screen away from the wall to avoid obstacles. See page 21.
- **T-Bar Twist Clips**—Mount screens directly to T-irons supporting suspended ceilings.

Sizes

- **AV Format**—from 127cm x 127cm to 213cm x 213cm.

Luma
Spring-Roller Screen for the Classroom

The Luma is Draper's finest spring-roller operated projection screen. Its pentagonal steel case and endcaps are finished in white. The case is designed to be attractive and durable.

Options

- **Viewing Surface**—OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, Glass Beaded CH3200E, Ecomatt XT700E, Contrast Radiant CH2700E, and Radiant CT2900E.
- **Extra Drop**—Either black or surface color.
- **Black Masking Borders**—Borders are optional for AV format screens and standard for all other formats.
- **AutoReturn Roller**—AutoReturn allows the Luma surface to unroll in the conventional manner, then slowly and gently retracts after a simple tug on the handle. See description on page 21.

Sizes

- **4:3 NTSC/PAL Format**—from 72" (183cm) to 120" (305cm) diagonal.
- **16:9 HDTV Format**—from 65" (165cm) to 106" (269cm) diagonal.
- **16:10 Format**—from 67" (170cm) to 109" (277cm) diagonal.
- **AV Format**—from 127cm x 127cm to 244cm x 244cm.

Custom formats and sizes are available.

Luma 2
For Large Audiences

The Luma 2 is attractive and practical, and suitable for wall or ceiling mounting. Similar in design to the Luma, the Luma 2 is available in larger sizes. It is constructed of heavy gauge components for years of dependable operation. Case and endcaps are finished in white.

Options

- **Viewing Surface**—OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, Glass Beaded CH3200E, Ecomatt XT700E, Contrast Radiant CH2700E, and Radiant CT2900E.
- **Extra Drop**—Either black or surface color.
- **Black Masking Borders**—Borders are optional for AV format screens and standard for all other formats.
- **AutoReturn Roller**—AutoReturn allows the Luma 2 surface to unroll in the conventional manner, then slowly and gently retracts after a simple tug on the handle. See description on page 21.

Sizes

- **4:3 NTSC/PAL Format**—from 100" (254cm) to 180" (457cm) diagonal.
- **16:9 HDTV Format**—from 92" (234cm) to 161" (409cm) diagonal.
- **16:10 Format**—from 94" (239cm) to 165" (419cm) diagonal.
- **AV Format**—from 127cm x 127cm to 366cm x 366cm.

Custom formats and sizes are available.

PORTABLE PROJECTION SCREENS

PANTALLAS PORTÁTIL DE PROYECCIÓN

ÉCRANS DE PROJECTION PORTABLES

TRAGBARE PROJEKTIONSWÄNDE

StageScreen

Designed for stages and large venues. The StageScreen is engineered to be flown, wall mounted, or stood on its own legs. It is the strongest and most rigid screen on the market.

The truss system is completely modular. All available sizes of StageScreen and optional legs are built from combinations of the 6 standard color-coded frame sections.

The StageScreen utilizes a 20cm truss that is significantly stronger than other permanently tensioned portable screens. No hinges and no snaps are used. Frame sections are connected with permanently attached threaded links and guide pins.

The viewing surface is quickly attached using the built-in DuraLoop™ bungee cord loops with handy nylon pull-tabs. Simply hook the DuraLoops onto the frame posts.

Includes carrying cases and floor tarps for clean assembly.

Options

- **Viewing Surface**—OptiView family: Black-Backed Matt White XT1000VB. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V.

- **Frame Finish**—Black or silver anodized frame are available.

- **Legs**—Choose optional legs with your StageScreen for free-standing use.

- **Dress Kit**—Create a polished presentation with an optional StageScreen Dress Kit. Includes a skirt, valance, a pair of side drapes, attachment hardware, and carrying case(s).

Sizes

- **4:3 NTSC/PAL format**—from 120" (305cm) to 600" (1524cm) diagonal.

- **16:9 HDTV format**—from 110" (279cm) to 551" (1400cm) diagonal.

- **16:10 format**—from 113" (287cm) to 566" (1438cm) diagonal.

- **MultiFormat**—from 366cm x 1219cm to 549cm x 1829cm.

Frame Section Lengths: 61cm, 91cm, 107cm, 122cm, 152cm, and 183cm.

Custom formats and sizes are available. Patent Pending.

Mobile Toolkit

Draper's online mobile toolkit offers several handy smartphone-friendly apps, including our StageScreen configurator. Plan your inventory efficiently and download color-coded assembly maps for any size.

www.draperinc.com/drapermobile/

FocalPoint® –Modular Portable Screen

FocalPoint

FocalPoint is a modular portable projection screen designed for standard and small venues, such as meeting rooms or breakout rooms.

The FocalPoint utilizes modular frame construction with small profile frame segments made of sturdy extruded aluminum. It is extremely rigid and durable, while remaining lightweight. FocalPoint is quick and easy to assemble with no hinges or snaps.

All available sizes of FocalPoint are built from combinations of the 4 standard color coded frame segments and corner pieces. Frame segments assemble quickly and easily.

The FocalPoint viewing surface attaches with Draper's unique DuraLoop™ bungees and convenient nylon pull-tabs. The viewing surface includes a black border that extends past the edge of the frame for a finished appearance.

Includes carrying case(s) and floor tarp for clean assembly.

Options

- **Viewing Surface**—OptiView family: Black-Backed Matt White XT1000VB. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V.

- **Frame Finish**—Black or silver anodized frame are available.

- **Dress Kit**—Create a polished presentation with an optional FocalPoint Dress Kit. Includes a skirt, valance, a pair of side drapes, attachment hardware, and carrying case(s).

Sizes

- **4:3 NTSC/PAL format**—from 100" (254cm) to 300" (762cm) diagonal.

- **16:9 HDTV format**—from 92" (234cm) to 275" (699cm) diagonal.

- **16:10 format**—from 94" (239cm) to 283" (719cm) diagonal.

Frame Section Lengths: 61cm, 91cm, 107cm, and 122cm.

Custom formats and sizes are available. Patent Pending.

Mobile Toolkit

Draper's online mobile toolkit offers several handy smartphone-friendly apps, including our FocalPoint configurator. Plan your inventory efficiently and download color-coded assembly maps for any size.

www.draperinc.com/drapermobile/

Ultimate Folding Screen

Ultimate Folding Screen

The Ultimate Folding Screen is the first screen built with 100% CNC (Computer Numerical Controlled) manufacturing, including viewing surfaces, frame tubing, and rivet and snap holes. No competing product meets this standard.

The Lock & Load latch is designed for easy operation and maximum life. Its innovative design ensures a rigid frame, while offering superior strength and protection for latch components.

Ultimate Folding Screen includes Draper's wheeled, heavy-duty polyethylene carrying case with handles molded into each end of the case. Lid handle is steel with a rubber grip, recessed for easy stacking.

Options

- **Viewing Surface**—OptiFlex family: Matt White XT1000V. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V. Interchangeable with Cinefold viewing surfaces.

- **Heavy-Duty Legs**—Offer extra stability and keystone elimination.

- **Extra Heavy-Duty Legs**—Recommended for added stability on frame heights greater than 320cm.

- **Dress Kit**—Create a polished presentation with an optional Dress Kit. Includes a skirt, valance, a pair of side drapes, attachment hardware, and carrying case(s).

Standard Sizes

- **4:3 NTSC/PAL Format**—from 90" (229cm) to 240" (610cm) diagonal.

- **16:9 HDTV Format**—from 106" (269cm) to 220" (559cm) diagonal.

- **16:10 Format**—from 95" (241cm) to 201" (511cm) diagonal.

- **Square Format**—from 169cm x 169cm to 352cm x 352cm viewing area.

Euro Sizes

Euro sizes are exact formats—no nominal diagonals. Not interchangeable with Cinefold viewing surfaces.

- **4:3 NTSC/PAL Format**—from 90" (229cm) to 240" (610cm) diagonal.

- **16:9 HDTV Format**—from 98" (249cm) to 220" (559cm) diagonal.

- **16:10 Format**—from 91" (231cm) to 204" (518cm) diagonal.

- **Square Format**—from 183cm x 183cm to 427cm x 427cm viewing area.

Patent Pending.

| Lock & Load Latch Open | Lock & Load Latch Closed | Corner Hinge Open | Corner Hinge Closed | Carrying Case |

Cinefold
Economical Folding Screen

Cinefold is a folding portable screen that sets up quickly without tools, and collapses into a compact case with wheels for easy travel or storage. The frame and legs are built of 2.5cm square structural aluminum tubing, color-coded and labeled for quick assembly. Hinges are tempered steel and lock positively. Frame, legs, viewing surfaces and accessories are all standardized for easy replacements or additions to the system. T-legs may be adjusted to tilt screen forward up to 8°.

Cinefold comes complete with a wheeled carrying case constructed of rugged polyethylene.

Options

- **Viewing Surface**—OptiFlex family: Matt White XT1000V. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V. Interchangeable with Ultimate Folding Screen viewing surfaces.
- **Heavy-Duty Legs**—Extra reinforcement against front-to-back movement. Recommended for large sizes, or for any screen used with a Dress Kit.
- **Anti-Sway Stabilizers**—Reinforce against side-to-side movement. Recommended for large sizes and for use with Dress Kits.
- **Joining Clamp**—Join two or more screens for a wide presentation. Includes masking strips to conceal hardware and provide image continuity. White masking for front projection, and black masking for rear projection.
- **Dress Kit**—Create a polished presentation with an optional Dress Kit. Includes a skirt, valance, a pair of side drapes, attachment hardware, and carrying case(s).

Sizes

- **NTSC/PAL Format**—from 72" (183cm) to 200" (508cm) diagonal.
- **HDTV Format**—from 106" (269cm) to 161" (409cm) diagonal.
- **Square Format**—from 142cm x 142cm to 356cm x 356cm viewing area.

Cinefold

Carrying Case

Truss Cinefold
Larger Than Life

Designed for large audience presentations, the Truss Cinefold's extra-rigid frames and legs are constructed with 15cm truss sections consisting of 2.5cm square hard-alloy aluminum tubing. All aluminum is clear satin anodized for long life.

Truss frames have 15cm wide steel hinges reinforced by two positive locking steel hinge latches. Horizontal hinges are reinforced by truss frame stiffeners. Furnished with truss frame stiffeners, L-brace, Heavy-Duty Legs, and Anti-Sway Stabilizers for impressive stability. Carrying cases are included.

Options

- **Viewing Surface**—OptiFlex family: Matt White XT1000V. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V.
- **Dress Kits**—Create a polished presentation with an optional Dress Kit. Includes a skirt, valance, a pair of side drapes, attachment hardware, and carrying case(s).

Sizes

- **4:3 NTSC/PAL Format**—from 120" (305cm) to 360" (914cm) diagonal.
- **16:9 HDTV Format**—from 220" (559cm) to 330" (838cm) diagonal.
- **Square Format**—from 244cm x 244cm to 366cm x 366cm viewing area.

Custom formats and sizes are available.

Truss Cinefold

Dress Kit

RoadWarrior
Ultra-Portable Screen

RoadWarrior lets you travel light and still deliver a big presentation. Sets up in seconds—just set the sturdy aluminum case where you want it on a floor or table. Release two clasps to open the lid, rotate feet into position, and extend the screen to any desired height. Pneumatic cylinders support it at any level. Includes enough black "rise" to clear a standard tabletop.

The tear-proof viewing surface provides a broad viewing cone and accurate color rendition. The included shoulder strap makes it easy to take it with you.

Options
- **Viewing Surface**—OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, Glass Beaded CH3200E, Contrast Radiant CH2700E, and Radiant CT2900E.
- **Padded Carrying Case**—Protects your RoadWarrior while traveling.

Sizes
- **4:3 NTSC/PAL Format**—60" (152cm) or 80" (203cm) diagonal.
- **16:9 HDTV Format**—55" (140cm) or 73" (186cm) diagonal.
- **16:10 Format**—57" (145cm) or 76" (193cm) diagonal

Traveller
Attractive and Simple

The Traveller is lightweight with a simple design. Setup is easy—just place it on the floor or table as needed. Quickly adjust the telescoping upright to hold the screen in desired position. The upright stores in the case. Carry your Traveller with the built-in handle, or use the detachable shoulder strap. The viewing surface is tear-proof.

Options
- **Viewing Surface**—OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, Glass Beaded CH3200E, Contrast Radiant CH2700E, and Radiant CT2900E.
- **Padded Carrying Case**—Protects your Traveller while on the road.

Size
- **4:3 NTSC/PAL Format**—from 50" (127cm) to 100" (254cm) diagonal.
- **16:9 HDTV Format**—from 46" (117cm) to 92" (234cm) diagonal.
- **16:10 Format**—from 47" (119cm) to 94" (239cm) diagonal.

Piper
Durable and Affordable

The Piper is a high-quality portable screen that's easy to carry and afford, and it's a breeze to set up. All you have to do is lift the upright, choose its height, and raise the screen. Piper features a tear-proof Matt White XT1000E viewing surface from the OptiView family.

During storage and transportation, the telescoping upright collapses and clamps to the back of the matt black extruded aluminum case.

Options
- **Padded Carrying Case**—Protects your Piper while on the road.

Size
- **4:3 NTSC/PAL Format**—from 60" (152cm) to 84" (213cm) diagonal.
- **16:9 HDTV Format**—from 55" (140cm) to 77" (196cm) diagonal.
- **16:10 Format**—from 57" (145cm) to 79" (201cm) diagonal.
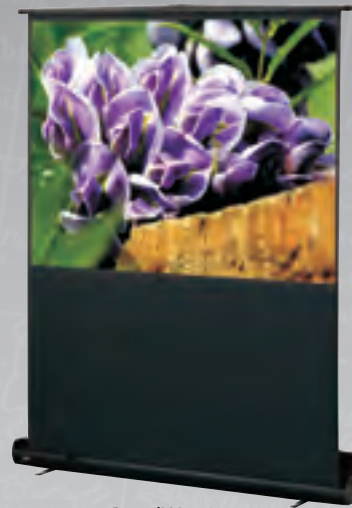
RoadWarrior

Back

Shoulder Strap
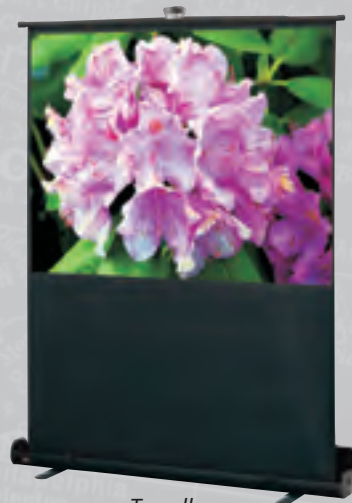
Traveller

Back

Optional Carrying Case

Piper

Piper with Upright Extended
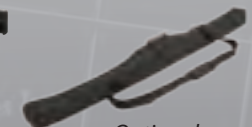
Optional Carrying Case

Diplomat
Elegant Workmanship

The Diplomat combines simplicity of design, rugged components and careful workmanship. Diplomat features a tripod base that supports a steel case and endcaps finished in black.

Easy setup and one-hand case adjustment make the Diplomat a pleasure to use. Suspension slat saddle in all sizes maintains a flat viewing surface. Built-in keystone eliminator extends the top of the viewing surface forward up to 46cm and is invisible when not in use. Exclusive Bell Leg Lock clamps legs securely to center tube for storage and transportation, eliminating risk of bent or broken legs and releases easily for setup.

Options

- **Viewing Surfaces**—OptiView family: Matt White XT1000E, Contrast Grey XH800E, Contrast White XH1100E, Argent White XH1500E, Pearl White CH1900E, Glass Beaded CH3200E, Contrast Radiant CH2700E, and Radiant CT2900E.
- **Padded Carrying Case**—Optional black leatherette zippered carrying case is available for storage and transportation. Hard travel case is also available by quotation.

Sizes

- **4:3 NTSC/PAL Format**—from 72" (183cm) to 120" (305cm) diagonal.
- **16:10 Format**—from 67" (170cm) to 109" (277cm) diagonal.
- **AV Format**—from 127cm x 127cm to 244cm x 244cm.

Consul
Economy and Durability

Lightweight, yet durably constructed. With a steel case and endcaps finished in black. Specified for schools worldwide.

The Consul's tripod legs are constructed of sturdy gabled steel. 152cm x 152cm and 178cm x 178cm sizes feature suspension slat saddle, keeping viewing surface flat. Case adjusts easily to any level on tripod upright.

Options

- **Viewing Surface**—OptiView family: Matt White XT1000E and Glass Beaded CH3200E.
- **Carrying Case**—Black leatherette zippered carrying case optionally available.
- **Keystone Eliminator**—Extends top of viewing surface forward up to 23cm. Available for 152cm x 152cm and 178cm x 178cm sizes.

Sizes

- **AV Format**—from 102cm x 102cm to 178cm x 178cm.

MicroScreen
Lightweight and Compact

MicroScreen is the ultimate travelling screen. Ideal for pico and ultra-portable projectors. Sets up in seconds on the tabletop or any flat surface. Black case fully encloses and protects screen when not in use. Matt White XT1000E viewing surface from the OptiView family. Black borders and case frame image area.

Lightweight—weighs only 2kg (5.3lbs) or 3kg (6.5lbs).

Options

- **Carrying Case**—Padded nylon carrying case with zipper closure protects your MicroScreen when not in use.

Sizes

- **4:3 NTSC/PAL Format**—40" (102cm) or 50" (127cm) diagonal.

Keystone Eliminator

Diplomat

Bell Leg Lock

Consul

Optional Carrying Case

MicroScreen

MicroScreen closed

PERMANENTLY TENSIONED PROJECTION SCREENS

PANTALLAS DE PROYECCIÓN CON TENSIÓN PERMANENTE

ÉCRANS À SYSTÈME DE TENSION

DAUERHAFT GESPANNTE PROJEKTIONSWÄNDE

Contact Draper, Inc. at +1 765.987.7999

Clarion
Projection Perfection

Improve your image with a Clarion projection screen. How? The viewing surface is perfectly flat. And a perfectly flat viewing surface means perfect picture quality. The 5cm wide black frame is constructed of beveled, extruded aluminum, and assembles quickly and easily. The included Z-Clip wall mounting brackets attach anywhere along the length of the frame for easy mounting.

Options

- **Viewing Surfaces**—OptiFlex family: Matt White XT1000V, Grey XH600V, and Pearl White CH1900V. OptiView Family: High Performance XS850E, Contrast Radiant CH2700E, and Radiant CT2900E. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V. ClearSound family: ClearSound NanoPerf XT800V, ClearSound White Weave XT900E, and ClearSound Grey Weave XH600E.
- **Custom Sizes**—Any size up to the largest standard size. Overall size, including frame, equals image area plus 10cm.
- **Frame Finishes**—Black aluminum is standard. Cover the frame with optional velvety black Vel-Tex to virtually eliminate all reflections on the frame.

Sizes

- **16:9 HDTV format**—from 65" (165cm) to 161" (409cm) diagonal.
- **4:3 NTSC/PAL format**—from 72" (183cm) to 180" (457cm) diagonal.
- **16:10 format**—from 67" (170cm) to 165" (419cm) diagonal.
- **2.35:1 CinemaScope format**—from 115" (292cm) to 166" (422cm) diagonal.

Custom formats and sizes are available.

US Patent No. 6,785,047; 7,113,332; 7,369,310; 7,808,702; Patent Pending.

Clarion frame
with Vel-Tex

Frame back

Onyx
Adjustable Surface Tension

An attractive frame, a unique fabric tensioning system, and ease of assembly make Onyx the leader in permanently tensioned screens. The 10cm wide beveled, extruded aluminum frame connects together easily.

Unique fabric retention system enables you to adjust the surface tension in seconds, without tools. There are no snaps! Uniform tension is applied to the entire surface area, so the surface is perfectly flat. The included Z-Clip wall mounting brackets attach anywhere along the length of the frame for easy mounting.
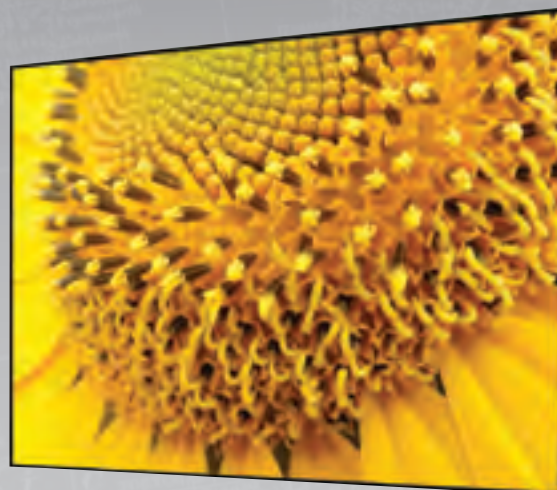
Options

- **Viewing Surfaces**—OptiFlex family: Matt White XT1000V, Grey XH600V, and Pearl White CH1900V. OptiView Family: High Performance XS850E, Contrast Radiant CH2700E, and Radiant CT2900E. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V. ClearSound family: ClearSound NanoPerf XT800V, ClearSound White Weave XT900E, and ClearSound Grey Weave XH600E.
- **Custom Sizes**—Any size up to the largest standard size, depending on viewing surface. Overall size, including frame, equals image area plus 20cm.
- **Frame Finishes**—Black aluminum is standard. Cover the frame with optional velvety black Vel-Tex to virtually eliminate all reflections on the frame.

Sizes

- **16:9 HDTV format**—from 65" (165cm) to 220" (559cm) diagonal.
- **4:3 NTSC/PAL format**—from 72" (183cm) to 180" (457cm) diagonal.
- **16:10 format**—from 67" (170cm) to 165" (419cm) diagonal.
- **2.35:1 CinemaScope format**—from 115" (292cm) to 204" (518cm) diagonal.

Custom formats and sizes are available.

US Patent No. 6,785,047; 7,113,332; 7,369,310; 7,808,702; Patent Pending.

Onyx frame
with Vel-Tex

Frame back

Curved Clarion and Onyx
Wraps the Image Around You

Curved projection screens offer several key advantages over flat projection screens. A curved screen helps offset pincushion distortion from a horizontal expansion lens, and also wraps the image around your periphery more than a flat screen for greater engagement with your projected image. In addition, the curved image is subject to less ambient reflected light from your room, while your projector's light is more accurately reflected by the perfectly smooth viewing surface for an ideal picture.

Draper defines the curve of the screen by its radius. The smaller the radius, the more curve a screen will have. Imagine a circle with a 12m radius (the distance from the center of the circle to a point on the circle). The curvature of your projection screen will match a line segment of proportionate length cut from the circle. See diagram to the right.

Draper's curved screens are available with a standard radius of 12m. The appropriate radius of your screen will be determined by several factors—contact Draper for assistance. Custom radii are available.

All standard curved Onyx or Clarion screens include mounting brackets and Vel-Tex velvet fabric covering the frame.

Sizes

- **Curved Clarion**—Available in sizes up to 396cm wide.
- **Curved Onyx**—Available in sizes up to 579cm wide.

Download a Curved Screen planning sheet at: www.draperinc.com/go/CurvedScreens.htm.

Custom formats and sizes are available.

Solid line represents 305cm wide screen

8m radius maximum

12m radius standard

24m radius standard

Cineperm
Snap-on Screen with Aluminum Frame

The Cineperm offers a contemporary, theatre-like appearance wherever a permanently mounted front or rear screen is required. Flexible viewing surface is stretched perfectly flat and snaps onto a 2.5cm tubular aluminum frame. 5cm black borders surround the viewing surface. Suitable for mounting to a wall, suspending from a ceiling or "flying" for theatrical uses.

Options

- **Viewing Surface**—OptiFlex family: Matt White XT1000V, Grey XH600V, and Pearl White CH1900V. CineFlex family: CineFlex CH1200V, CineFlex MH800V, and CineFlex Dual XT600V. ClearSound family: ClearSound NanoPerf XT800V, ClearSound Perf XT900V, ClearSound White Weave XT900E, and ClearSound Grey Weave XH600E.
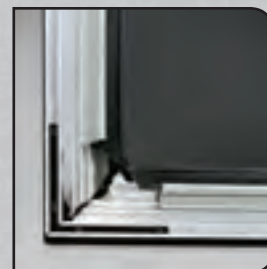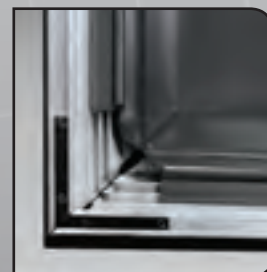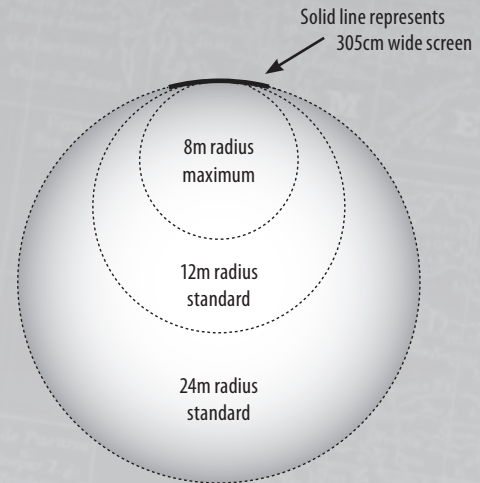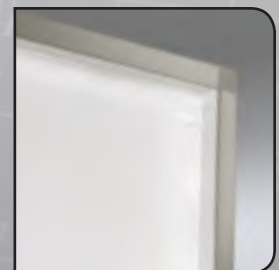
Sizes

- **16:9 HDTV format**—from 65" (165cm) to 220" (559cm) diagonal.
- **4:3 NTSC/PAL format**—from 72" (183cm) to 300" (762cm) diagonal.
- **16:10 format**—from 67" (170cm) to 165" (419cm) diagonal.
- **2.35:1 CinemaScope format**—from 115" (292cm) to 166" (422cm) diagonal.

Custom formats and sizes are available.

Cineperm frame   Frame back

TheatreMask™
Change Formats Easily

Draper's TheatreMask™ screen masking system installs directly over a fixed screen. TheatreMask installs quickly and easily, covering a screen frame width up to 10cm. Draper's low-profile TheatreMask is a slim 9.5cm deep and only adds 5cm on each side and 2cm above the screen, making it one of the most streamlined screen masking systems in the industry. Relive your favorite movie moments in style as the masks glide quietly into place for show time. TheatreMask is the "must have" masking system for high end home theatre. Compatible with Draper's Clarion and Cineperm projection screens. Not CE approved.

TheatreMask is offered in two distinct models: TheatreMask WMS (shown in photos to the right) and TheatreMask HMS.

TheatreMask WMS

Easily masks screen width at the touch of a remote while height remains constant. TheatreMask WMS (Width Masking System) for 2.35:1 format screens masks the width, left and right, from native 2.35:1 to 1.85:1, 16:9 HDTV, 4:3 NTSC/PAL preset formats or anywhere between. TheatreMask WMS is designed to install over a 2.35:1 format screen in sizes through 166" (421cm) diagonal.

TheatreMask HMS

Masks screen height, top and bottom, from 16:9 HDTV to wider movie formats while width remains constant. TheatreMask HMS (Height Masking System)for 16:9 HDTV format screens masks the screen height from native 16:9 HDTV to 2.35:1 format or anywhere between. TheatreMask HMS is designed to install over a 16:9 HDTV format screen in sizes through 133" (338cm) diagonal.

TheatreMask WMS shown in HDTV Format.

2.35:1 Format (native)   4:3 NTSC/PAL Format

Home Theatre Stage Curtain
Motorized Stage Curtain

Draper's Home Theatre Stage Curtain makes your home theatre a real cinema experience by bringing home the elegance of a motorized theatre curtain.

Home Theatre Stage Curtain covers your projection screen when not in use. A pair of two-way transverse style motorized curtains quietly glide open for viewing and can mask your projection screen to narrower formats at the touch of a remote or wall switch. Durable track ensures complete closure and quiet operation using a Kevlar® belt instead of a noisy chain.

Like in commercial theatres, the ripple-folded curtain fabric is the highest quality 678 g/m² (16 oz. per square yard) flame-retardant cotton velour and is available in black, grey, blue, brandy (gold) or cherry (red).

Includes everything you need, including: curtain panels, white drapery track and components, ceiling mounting brackets, low voltage motor with built-in transformer, IR remote control transmitter and receiver.

Motor is rated for voltage range 90–250V, 50/60Hz. Requires customer supplied country-specific plug adapter.

Options

• **Brackets**—For wall mounting.

• **Wall Switches**—Dry contact/hardwired wall switches available in white or ivory.

• **RF Control**—RF transmitter and receiver. RF wall switches available in white, ivory or black.

Home Theatre Stage Curtain open for viewing.

4:3 NTSC/PAL Format   Closed

PROJECTOR LIFTS

ASCENSORES MOTORIZADOS PARA PROYECTORES

SUPPORTS MOTORISÉS POUR VIDÉOPROJECTEURS

PROJEKTORLIFTE

Phantom
Projector Glides out of Hiding on Command

Phantom uses a precision actuator to quickly and quietly dip the projector out of the ceiling into the "show" position just below the ceiling line at the touch of a switch or wireless transmitter.

The projector is easily aligned and fine-tuned during installation to provide a direct light path onto your Draper projection screen. Closure panel is included.

Hide the Phantom in a tabletop when ceiling installation is not possible or desirable.

Two models to choose from as determined by size of projector.

Options

- **Environmental Airspace Housing**—Aluminum housing isolates projector and lift from environmental airspace above the ceiling.
- **Ceiling Access Door**—60cm x 60cm hinged door provides above-the-ceiling access for cleaning, maintenance or repairs while preventing ceiling damage. Available in white finish or recessed to accept ceiling tile.
- **Controls**—Includes one wall switch. Visit *www.draperinc.com* for control options.

Orbiter
Projector Silently Orbits Into Place

The Orbiter is conveniently sized to fit in small ceiling cavities. Alternatively, it installs vertically in walls to conceal small LCD displays.

You can easily fine-tune the limit settings and tilt adjustments. Closure panel is included.

Two Orbiter models to choose from, as determined by size of projector.

Add the angled ceiling adapter to install the Orbiter into angled ceilings and walls for projectors, video conferencing cameras, or other equipment.

Options

- **Environmental Airspace Housing**—Aluminum housing isolates projector and lift from environmental airspace above the ceiling.
- **Angled Ceiling Adapter**—Allows infinite limit adjustment from 0° to 90°.
- **Ceiling Access Door**—60cm x 60cm hinged door provides above-the-ceiling access for cleaning, maintenance or repairs while preventing ceiling damage. Available in white finish or recessed to accept ceiling tile.
- **Controls**—Includes one wall switch. Visit *www.draperinc.com* for control options.

Micro Projector Lift
For Smaller Projectors

The Micro Projector Lift (MPL) is small and convenient, just like the projectors it is designed to accommodate. Lifting capacity of 15.9kg. MPL can be installed in an existing 60cm x 60cm ceiling opening without disturbing the ceiling framework.

All components can be serviced from below the unit. The projector's "show" position can be set at any point with infinite adjustability, up to 122cm extension.

The Micro Projector Lift utilizes the same exclusive 3-scissor design as Draper's popular Scissor Lift, but features a compact side-folding scissor. The load is lifted by two 2.5cm wide Kevlar® straps. Safety belt provides extra protection. Closed height of lifting unit is only 13cm tall (not including projector, mounting mechanism, or closure), so a minimal amount of overhead ceiling space is required.

Options

- **Environmental Airspace Housing**—Aluminum housing isolates projector from environmental airspace above ceiling. Does not include ceiling closure panel. Includes trim ring.

- **Ceiling Closure Panel**—White closure panel is optional and can be adapted to attach ceiling tile.

- **Ceiling Finish Kit**—Ceiling closure panel and ceiling trim ring to finish ceiling opening.

- **Factory-Installed Cables**—for RGBHV, Video and Control. Contact Draper for details.

- **Ceiling Access Door**—A 60cm x 60cm hinged door provides access to the MPL above a finished ceiling. Available with a white painted finish or recessed to accept ceiling tile.

- **Universal Projector Mount**—Provides secure and simple mounting for most projectors up to 11.3kg.

- **Controls**—Includes 1 wall switch. *Visit www.draperinc.com* for control options.

Patent Nos. US D395,909; 6,637,711; 7,631,848; CN 100,569,143C; Patent Pending.

Revelation
## You Won't See or Hear the Projector

The Draper Revelation permanently conceals the projector (and its noise) above the ceiling at all times. You won't see or hear the projector. You'll only see a hinged door in the ceiling, finished in white. Revelation also provides greater security for your projector, helping to protect it from theft.

At the heart of the Revelation's dual first surface mirror system are two optical-grade glass mirrors that are 94% reflective. This mirror system provides for optimum flatness and reflectivity.

Options

- **Environmental Airspace Housing**—Aluminum housing isolates projector from environmental airspace above ceiling. Includes intake and exhaust fan systems.

- **Glass Shield**—Made of anti-reflective glass and installed between the Revelation and the mirrored door. Reduces projector noise by an additional 80%, and further guards the projector. Virtually none of the projected light is lost as it passes through the Shield.

- **Ceiling Access Door**—60cm x 60cm hinged door provides above-the-ceiling access for cleaning, maintenance or repairs while preventing ceiling damage. Available in white finish or recessed to accept ceiling tile.

- **Controls**—Includes 1 wall switch. *Visit www.draperinc.com* for control options.

US Patent No. 6,379,012.
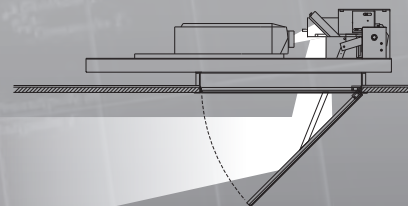
Scissor Lift
Extends up to 8.5m

Draper's Scissor Lift will retract your projector to ceiling level or above, then lower it to the exact projection and service positions you require. Offers three positions: "store", "show" and "service." Draper factory-sets the show position to your specificaitons. Adjustments are easy after installation, as the show position can be set from the wall switch.

Scissors on the left, right, and back sides of the unit stabilize the projector from any sway both laterally and front–to–back. A unique feature allows installer to adjust for projector center of gravity easily. The Scissor Lift is driven by a gearmotor with a powerful metal chain drive system.

Lift is equipped with a fail-safe inertia safety belt system, and a cable management system that includes a pre-wired power cable on the back scissor. A Universal receptacle accepts any country-specific pin connector. Lifting capacity is 45kg for SL Models and 159kg for SLX models.

- **SL Models**—Five Scissor Lift SL models offer maximum travel to 3.6m. Small footprint: fits in a 60cm x 60cm ceiling grid opening.
- **SLX Models**—Seven Scissor Lift SLX models offer maximum travel to 8.5m. A slightly larger 96cm wide x 97cm deep footprint allows for the extended travel with no loss of stability.

Options

- **Environmental Airspace Housing**—Housing isolates projector from environmental airspace above ceiling. Includes ceiling trim ring. Does not include ceiling closure panel.
- **Ceiling Closure Panel**—Ceiling closure, with a recess to accept ceiling tile, or with a smooth surface finished in white. Several sizes to choose from depending upon size of your projector.
- **Ceiling Finish Kit**—Ceiling closure panel and ceiling trim ring to finish ceiling opening.
- **Factory-Installed Cables**—for RGBHV, Video and Control. Contact Draper for details.
- **Universal Projector Mount**—Provides secure and simple mounting for most projectors up to 11.3kg.
- **Controls**—Includes standard wall switch. Visit **www.draperinc.com** for control options.

US Patent No. D395,909.

LCD Lift
Compact and Lightweight

Bomb bay doors and a slim cross-section distinguish the LCD Lift. Most popular LCD and DLP projectors fit neatly inside this unit, which is available in two sizes—Model A and Model B. Flat closure panel is also available.

Environmental Air Space Housing of aluminum, with closure doors finished in white, is standard. Contains universal internal switched duplex receptacle, 110V/220V AC, which is powered when the unit is fully down. The LCD Lift contains an innovative current sensor that delays closing of the unit until the projector lamp has shut off. Lifting capacity 29kg.

Options

- **Ceiling Closure Panel**—Flat ceiling closure in a white baked enamel finish or recessed to accept ceiling tile.
- **Ceiling Access Door**—A 60cm x 60cm hinged door to access lift above a finished ceiling for cleaning, maintenance or repairs without having to damage the ceiling. Available with a white painted finish or recessed to accept ceiling tile.
- **Factory-Installed Cables**—for RGBHV, Video and Control. Contact Draper for details.
- **Universal Projector Mount**—Provides secure and simple mounting for most projectors up to 11.3kg.
- **Control Options**—Operated by a rocker switch. Visit **www.draperinc.com** for control options.
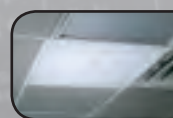

Scissor Lift SLX retracted

Scissor Lift SLX

CE 220V

Scissor Lift SLX extended

LCD Lift shown with bomb bay doors.

LCD LIft retracted

LCD LIft extended

CE 220V

AeroLift
Smallest Footprint

Three models to lift up to 11, 23, or 68kg. AeroLifts install in even the tightest spots, and offer a different look than traditional scissor lifts. Use AeroLift to conceal projectors, speakers, or cameras.

All three models are powered by strong tubular motors for a simplified design, and feature a stabilizing arm which can be used for cable management. Built-in adjustability allows you to deal with job site conditions quickly and easily, like slightly out of square or irregularly spaced joists. Projector can be mounted flush to bottom pan or use optional Universal Projector Mount.

Options

- **Environmental Airspace Housing**—Aluminum housing isolates projector and lift from environmental airspace above the ceiling. Includes ceiling trim ring.

- **Ceiling Closure Panel**—Universal ceiling closure in a white finish or recessed to accept ceiling tile. Shown in photo at left.

- **Ceiling Finish Kit**—Ceiling closure panel and ceiling trim ring to finish ceiling opening.

- **Universal Projector Mount**—Provides secure and simple mounting for most projectors up to 11.3kg.

- **Control Options**—Includes standard wall switch. Visit **www.draperinc.com** for control options.
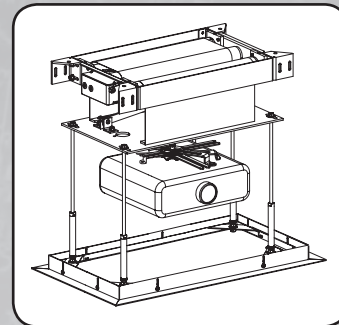
FlatScreen Lift
Conceals a FlatScreen in your Custom Furniture

Draper's FlatScreen Lift is a unique product featuring universal mounting and easy "drop-in" installation into your cabinetry or furniture, allowing you to conceal a flatscreen display when it is not in use, and raise it into view for "showtime."

Always aiming high, Draper's FlatScreen Lift far surpasses the competition. Its "stored" dimensions are significantly more compact, and yet the extension (to 2.5 times the stored height of the flatscreen) is greater than competitors' lifts which extend no more than the height of the display.

Infinitely adjustable stopping position means you can set the lift to stop at the optimum height. In addition, the interior dimensions of the cabinet only need to exceed the height of the stored lift by two inches. The FlatScreen Lift offers more flexibility for the installer or furniture manufacturer.

Available in three sizes, Draper's FlatScreen Lift can accommodate virtually any available model of flatscreen display up to 65" (165cm) diagonal* and less than 95kg, and features a unique secondary shelf beneath the display itself, allowing you to attach a matching trim piece to fill most of the opening left by the open cabinet lid for a clean, finished appearance when raised.

Includes RF and contact closure control as standard.

Options

- **Cable Management Kit**—keep your wiring neat and organized.

* Some 65" (165cm) diagonal displays may require a custom bracket in addition to a display-specific bracket. Contact Draper for more information.

AeroLift

CE
220V

FlatScreen Lift extended

FlatScreen Lift retracted

CE
220V

Custom Lifts
What Have You Got to Hide?

Do you have AV or other equipment you wish to conceal when not in use, and reveal at the touch of a button? Draper's ever-expanding Conceal/Reveal line of products allows us to offer custom lift designs to meet your very specific needs for projectors, flat panel displays, video conferencing cameras or almost any type of equipment. We create lifts that install in walls, ceilings, floors, tables or other furniture. Even multiple lift systems that move groups of products (individually or in unison) are possible. Draper can solve your complex lift needs.

Options

- **Some equipment that may be concealed**—Projectors, flat panel displays, videoconferencing cameras, speakers, microphones, computer monitors and keyboards, document cameras, controls, touch panels and remotes.

- **Some places equipment may be concealed**—Walls, ceilings, floors, tables, credenzas, cabinets, furniture.

- **Some lift movement types**—Lift up, drop down, pull out, swing down, swivel, pivot, turn, rotate.

- **Some lift control options**—RF remote, IR remote, touch pad, wall switch.

TorkStar
Easily Raise or Lower Your Staging Equipment

TorkStar is a simple line hoist system designed to raise and lower a wide range of products commonly used on stages, in gymnasiums and churches and other public venues.

TorkStar consists of a motor winch and one or more PosiSpools™, connected by a drive shaft and mounted to the ceiling structure. It utilizes aircraft cable lift lines with a lifting capacity of 227kg each.

TorkStar eliminates the need for stepladders, scaffolding, or lifts to occasionally service or change lamps, filters, or other ceiling suspended items. It conveniently lowers projection screens down to an ideal viewing height.

Use TorkStar to Lift:

• **Projection Screens**	• **Scrims**
• **Lighting**	• **Signs**
• **Speakers**	• **Banners**
• **Backdrops**	• **Flags**
• **Scenery**	• **Chandeliers**
• **Draperies**	• **Etc.**
• **Curtains**	

Visit **www.draperinc.com** for full product details.

Rear Projection Screens

Draper is the acknowledged leader in rear projection systems, the most demanding area of the industry.

Each rear projection system has a unique set of parameters that determines which screen is required, including audience seating pattern, projection equipment, and ambient light level.

Only Draper provides unique rigid rear projection screen technologies to satisfy any requirement.

- **Cineplex®**—Draper's diffusion coated projection screen. Our wide range of optical coatings and tints allows you to select a combination that's customized to your application.

- **DiamondScreen™**—Draper's optical rear projection screen. Provides an extremely bright image with a 180° viewing cone. The DiamondScreen's optics are specially designed for the best image reproduction and maximum brightness.

- **IRUS—Infinite Resolution Uniformity Screen**—Proprietary technology, available only from Draper. The IRUS is designed specifically for use with high resolution projectors. Provides a crisp, clear image.

Draper will be pleased to give you personal assistance in selecting a rear projection screen to fit your requirements. Many of our motorized, fixed, and portable screens are also available with rear projection surfaces—please refer to earlier sections of this catalog.

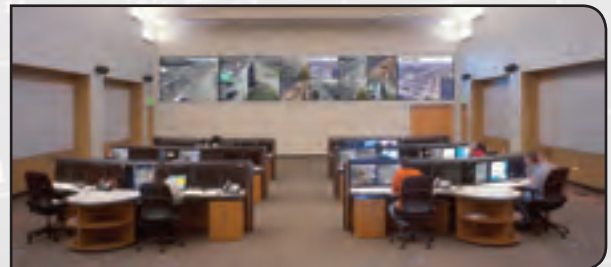Complete specifications for all Draper rear projection systems are online at:

www.draperinc.com/go/RearScreens.htm

RPX Complete—Rear Projection System

Plasma Wall

Video Wall

FlexShade Systems–Innovative Solar Shading Solutions Since 1902

A leader in projection screens, Draper, Inc. also manufactures FlexShade Systems, the finest commercial window coverings. This custom shading system allows for almost unlimited flexibility in solar control. Quality is assured by Draper's 100-plus years in the window coverings industry.

Window shades reflect light and heat from the sun, reducing the amount of energy required to cool the building. Motorized window shades can automatically adjust to compensate for the changing shade requirements throughout the day. In addition, shades can reduce or eliminate uncomfortable glare for workers, while still allowing ambient sunlighting and view-through to the outside.

Motorized FlexShades

Motorized FlexShades

Manual FlexShades

FlexShade Systems—Custom Shading

Each FlexShade product is built to order. Fabric, hardware and operating mechanisms are specified to satisfy functional and aesthetic criteria—Draper builds each unit for an exacting fit and tests every window shade before it is shipped.

Draper offers the broadest variety of operator styles in the industry. Options include bead chain clutch, crank, spring roller, and motorized roller-operated shades.

Our spectrum of fabric colors and styles is unmatched. Woven mesh fabrics offer protection from heat, glare and UV rays, while maintaining the view. Soft translucent textiles offer designer appeal, while our opaque fabrics eliminate all visible light. Combine opaque fabrics with a LightBloc System, and you will achieve total blackout.

All fabrics are fire retardant.

Most of Draper's popular products and sizes are in stock in our Draper Europe facility in Halmstad, Sweden, and in our Draper Group Ltd. facility in Corby, United Kingdom. Take advantage of local inventory—**which means faster shipping and lower freight cost**—by contacting us at these locations.

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