

DECORATIVE
FILMS
SDX™
SMART
FILM



SKYLINE

decorativefilms 

decorativefilm.com

PREMIUM SMART LAMINATED FILM

With Decorative Films' SDX™ Smart Film, you can have full privacy with the push of a button. Instantly switch the film between on and off for on-demand privacy when you need it. The perfect solution for interior glass walls in offices, hospitals, and retail spaces.



Sustainably made by our design partner Skyline Design in their Chicago factory.



Compatible with any type of glass up to 70" x 144"



Easily cleanable; Switch layer is surface applied to the glass.

Benefits:

- full visibility or instant translucency for privacy, shading, and transparent displays
- optimize space and create agile open or hybrid floor plans
- enhance occupant wellbeing with access to natural light and views
- solar IR reflection for temperature control
- flexibility to control the use and ambiance of a space instantly
- easy to clean solution that replaces traditional window treatments and privacy curtains
- contribute to sustainable design with reduced dependence on artificial lighting



DESIGN WITH FUNCTION AND FLEXIBILITY.

Contemporary architecture and interior design emphasizes minimalism, an abundance of natural light, well appropriated agile spaces, and connection to the environment- a modern design philosophy effectively achieved through surface applied film on flat paned glass and nonporous surfaces.

Combining both tradition and modernity, while meeting the evolving needs of builders, owners, and occupants, Decorative Films' SDX™ Smart Film creates innovative solutions that set a new standard for high performance PVC-free window film solutions in future facing facilities.



SWITCH TO PRIVATE IN 3 MILLISECONDS



HOW IT WORKS

Smart film technologies change the opacity of the glass with electrical supply to control various types of light. The unique particles or molecules inside our films scatter when off, blocking light and creating opacity. When on, particles or molecules align, allowing light to pass through and creating transparency.



Decorative Films' SDX™ Smart Film switches from translucent to controlled levels of transparent in just 3 milliseconds.

Smart films are laminated into various types of glass for a unique space that suits both modern and future facing designs.

Controlling various types of light, paired with switchable features, SDX™ Smart Film supports:

- instant privacy or an open atmosphere
- solar IR reflection for temperature control
- displays that turn transparent when paired with projection

PATENTED CONTROLLERS

Decorative Films' SDX™ Smart Film uses patented controllers to provide the highest quality optical, mechanical, and electrical performance of Decorative Films' smart laminated films.

As the only smart film controller in the market, it employs square wave signals, allowing films to stay on 24 hours a day with no burn in and ensure the highest transparency. The patented controllers protect against power surges and extend the lifetime of SDX™ Smart Film.

FEATURES:

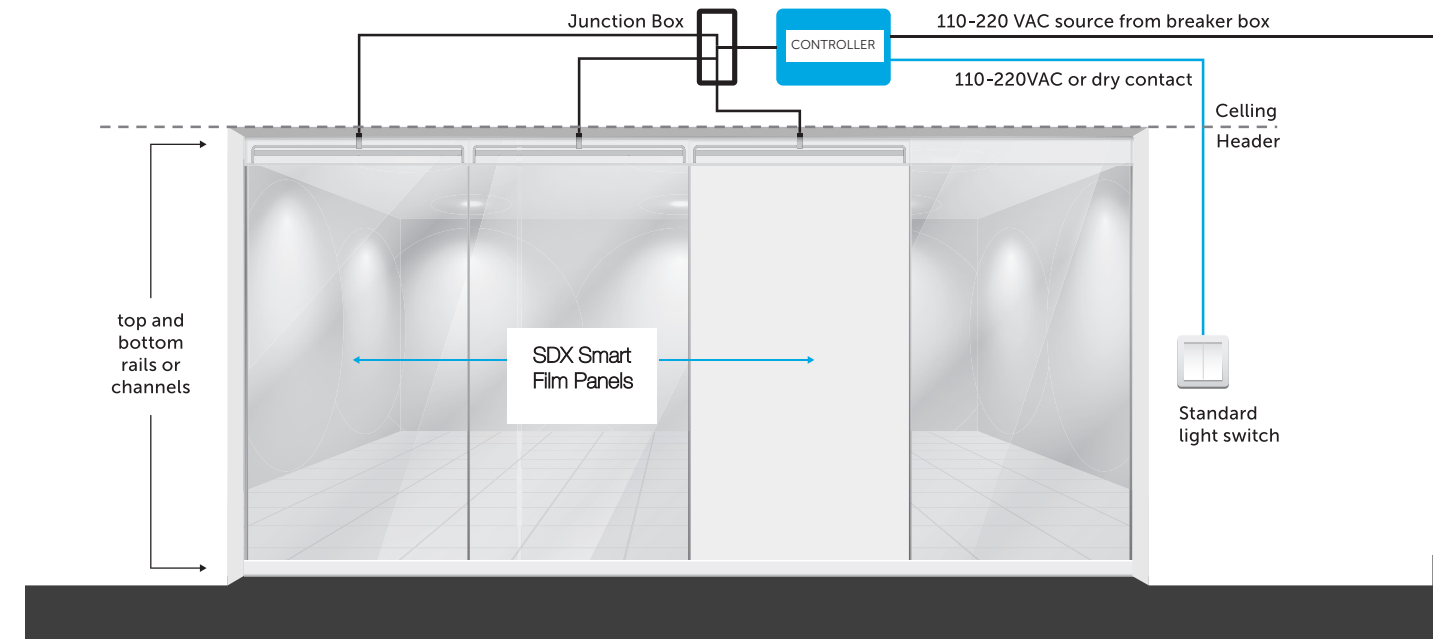
- On, Off, Dimming, Fade transitions
- Small form factor and footprint for easy installation
- Large drive capacity
- Advanced protection features for better ROI
- Ultra-low voltage reduces up to 40% of power consumption
- WIFI/DMX/RS-485 compatible for easy connection to automation systems



Specifications:

	Mini	Flex	MultiPlex
Universal Input	110/220VAC, 50/60Hz, 450mA	110/220VAC, 50/60Hz, 1360mA	110/220VAC, 50/60Hz, 1360mA
Output Voltage	42.48, 70VAC Square wave, 25/30/32/50/60Hz, 600mA	42.48, 70VAC Square wave, 25/30/32/50/60Hz, 1970mA	42.48, 70VAC Square wave, 25/30/32/50/60Hz, 1970mA
Supported SDX2™ Area (up to)	4m ² / 43ft ²	10m ² / 107ft ²	10m ² / 107ft ²
Dimensions (LxWxH) (mm)	125x75x35	165x104x35	224x104x35
Weight (controller only)	44kg.	71kg.	94kg.
Wall Mounting	Built-in	Mounting Brackets	Mounting Brackets
Output Channel	1	1	to 32 1
Operating Configurations	On/Off, Fade	On/Off, Dimmer	On/Off, Blinds Fade
DMX	N/A	On/Off, Dimmer, Open Interface	DMX On/Off
COM	N/A	On/Off, Dimmer, Open Interface	On/Off, Fade
Cascade	N/A	0-10VDC	N/A





EASILY INTEGRATABLE

Cut to fit and made to order according to specifications and special requests, SDX™ Smart Film is available in varying sizes and compatible with any glass or flat paned surface where film can be installed.

It is compatible with any off-the-shelf or custom wall, door, or partition system.



Compatible with:

- C, U, and T profiles
- Frameless butt glazed finishes
- Double glazed partitions with acoustic control
- Aluminum and wood modules
- Various types of doors & hinges (sliding, accordion, swing & other)

Controlled via:

- Wifi touch panels
- RF remotes
- Traditional wall switches
- Integration with popular systems including Google, Alexa, or custom programs

COLOR & PATTERN



Decorative Films' SDX™ Smart Film can be paired with pattern, imagery, and color. Combine the smart technology of switch film with the beauty of printed or etched patterned film applied on glass.

CAPABILITIES:

- **Eco-etch** / Etched patterning effect on the glass surface
- **Digital Printing** / Full color printing with limitless design options
- **Color Interlayer** / Vivid and neutral color options



PROJECTION



Decorative Films' SDX™ Smart Film sets a new standard in digital displays, creating a multi functionality that brings the possibility for communication, connection, and entertainment to any glass surfaces around us.

Compatible with any type of projector, SDX™ instantly turns windows and glass partitions into color rich dynamic HD displays that turn transparent. Enabling time and location based ads in retail, to vibrant and immersive screening surfaces in commercial or private spaces, AV and system integrators can create immersive and memorable experiences.

HOTELS



APPLICATIONS

Convention halls, Retail store fronts, Business centers, Glass elevators, Skylights and Atriums, Bathroom enclosures, Partitions between sleeping and common areas, Lobbies, Spas, Gyms

BENEFITS

- Reduce HVAC costs
- Create light filled rooms that feel more spacious
- Gain valuable space with low profile glass partitions
- Maintain sleek designs without bulky shades and curtains
- Pair with projection to leverage advertising & communication
- Add patterning for a design unique to a hotel's theme
- Creates a modern and memorable design upgrade

Building and designing spaces that appeal to different types of travelers relies on selecting materials that emphasize the most highly valued elements of a stay including comfort, cleanliness, and a quality in room experience.

Complimenting diverse design directions, Decorative Films provides a modern and sophisticated shading and privacy solution that contributes to creating a memorable experience. Eliminating the need for fabric curtains that are costly and laborious to properly clean, hotel operators bottom line and operations benefit

from utilizing easy to clean SDX™ Smart Film in interiors and facades. It provides secure privacy for enhanced comfort in a public space, a highly valued benefit when guests pay premium price for a scenic room.

RETAIL



APPLICATIONS

Storefronts, In-store displays, Dressing rooms, Check-out and register areas, Corporate offices, Confidential spaces, Visual merchandising

BENEFITS

- Instantly capture shoppers with vibrant advertisements
- Allow shoppers to see products and atmosphere inside your store when transparent
- Custom shapes and sizes of glass

Visual merchandising with smart film creates new opportunities to excite and capture shoppers. Paired with projection, Decorative Films' SDX™ Smart Film allows retail stores to make the most of valuable storefront windows to capture audiences' attention.

Digital signage welcomes a new era of displays, removing the need for traditional signage. With a one time investment, it creates a versatile display with instantly switchable content that can be rolled out globally for consistent messaging.

OFFICES



APPLICATIONS

Conference rooms, Executive suites, Private offices, Welcome areas, Lobbies, Desk dividers

BENEFITS

- Spaces that can shift instantly for employee preferences
- Privacy within open concept offices
- White board or projection screen use when translucent
- Gain valuable space with use of glass partitions
- A high-tech design upgrade for modern businesses
- Easy to clean privacy solution

Support spatial agility in open or hybrid floorplans by enabling glass to switch from translucent to transparent to create on-demand privacy or an open atmosphere supporting employee wellbeing and preferences for a dynamic work environment that promotes productivity.

Access to natural light and views is proven to increase mental function, memory, and productivity by up to 25%. Creating a space that is comfortable for employees results in higher levels of in-office satisfaction. Depending on the scenario, teams may prefer to work in a private space for focused concentration, or in an open and transparent environment for collaborative brainstorming.

HOSPITALS



APPLICATIONS

Patient rooms, Corridor facing rooms, ICU, Neonatal facilities, Corporate offices and conference rooms, Waiting areas & Lobbies, Isolation units

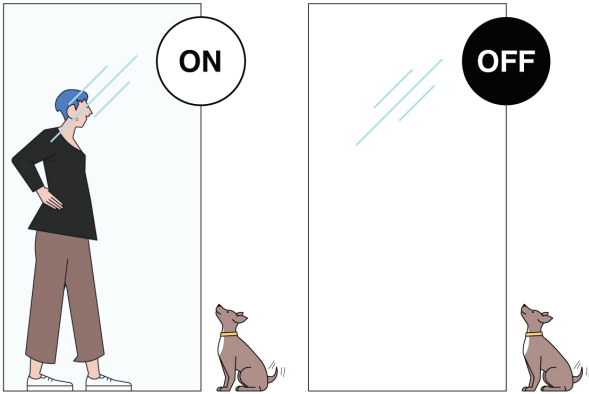
BENEFITS

- Easy to clean
- Eliminate fabric curtains
- Monitor patients without entering a room
- Access to light for increased wellbeing
- Pair with tempered strength film for added safety with tempered glass

Safety standards in healthcare environments are constantly evolving. Innovative building designs and smart materials can help facilities adapt faster, better treat patients and ensure the safety of staff, patients, and visitors.

Eliminating the need for HAI harboring fabrics used for privacy and shading, Decorative Films' SDX™ Smart Film supports light filled privacy, shade with a view, and sound isolation for greater comfort and enhanced wellbeing that contributes to faster healing. Controlled with motion sensors or from a central station, doctors and nurses can reduce the amount of interaction with touchable surfaces, and can easily check on patients with minimal disruption.

WHY SPECIFY SDX™ SMART FILM



Developed and manufactured with the philosophy that every molecule matters, our films exhibit the best optical, mechanical, and electrical performance in the industry.

Supported by a global distribution network of specially trained and certified glass fabrication and film installation partners, choosing Decorative Films' SDX™ Smart Film allows for a full spectrum of glass options.

