



SKYLINE

SDX3™ SMART GLASS

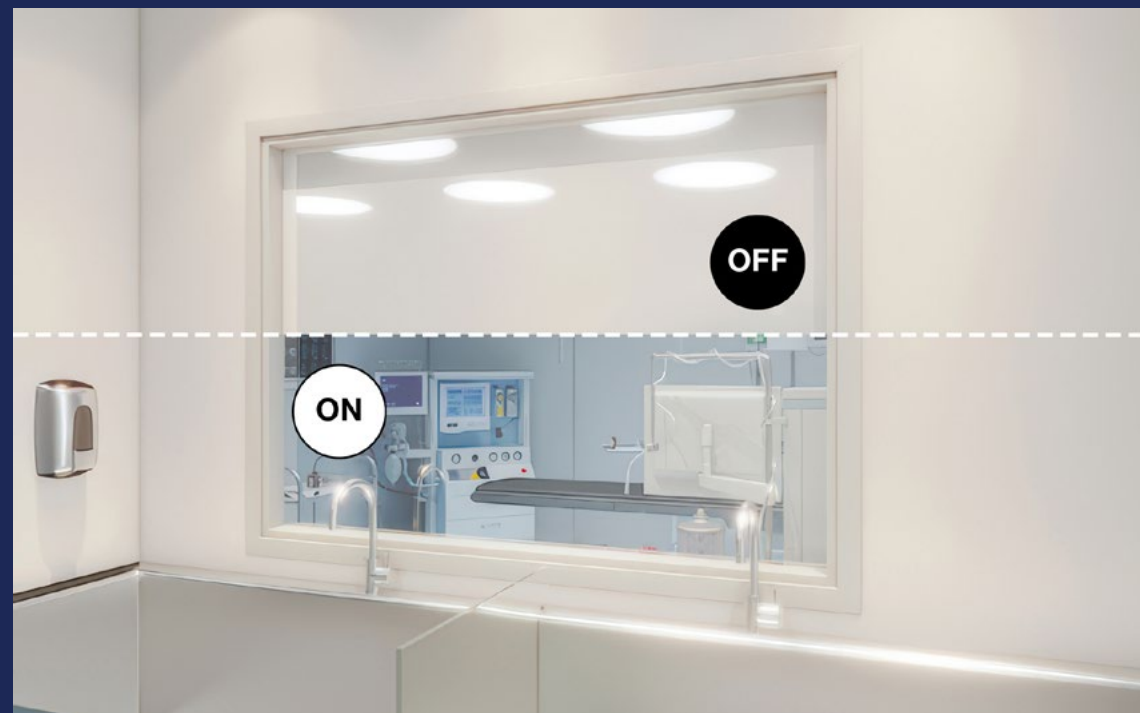
Powered by **CLC**

The industry's *first and only* film-free switchable glass, for when clarity is mandatory.

SDX3™ is a proprietary formulation of liquid crystal that is applied directly to the glass with no film in between.

Film-free means SDX3 is **clearer than any other switchable glass on the market.**

Due to its perfect clarity, this Smart Glass uniquely blends seamlessly with non-SDX3 windows.



ON / The liquid crystals are aligned uniformly, providing an unmatched crystal clear view from any angle.

OFF / The liquid crystals are randomly scattered, allowing diffused light to pass through while fully obscuring the view.



SDX3™ uses less energy than a 25-watt lightbulb.

This energy efficiency, coupled with acoustical privacy, security, and UV protection, positions SDX3 as a versatile solution adaptable to various applications, seamlessly integrating into existing automation systems.



Class 3 low voltage



Acoustic Control up to STC 37 with higher STC ratings for insulated makeups



Can be on for 24 hours with no breaks



Liquid crystals are protected inside the laminated glass makeup, making the product pathogen-resistant and easily cleanable



Control Options

From wall switches and remotes to touch screens and custom automation systems.

- Wi-Fi Touch Screens
- Radio Frequency Remotes
- ON/OFF Switches
- Integration with Automation Systems (Google, Alexa, and Custom Programs)

Specifications & Performance Data

9.9 mm Thick

Weight: 4.4 lbs/sqft

Max IG OAT: 1-5/8”

Min IG OAT: 3/4”

Sightline: 11mm

Dimension: Min / Max

Long Side: 16” / 129”

Short Side: 7” / 78”

Area: 1.8 ft2 / 50 ft2

Appearance

Clear: Transparent

Private: Translucent White

Visible Haze

Clear State: Less than 3% at 90° and less than 5% from all angles

Privacy State: Greater than 97%

Visible Light Transmittance

Clear State: 80% minimum

Private State: 65% minimum

UV Blocking

Greater than 99%

Switch Speed

Less than 100 ms

IGU Options

Double and triple IGUs

Power Consumption

Clear: <0.5 watts/sqft

Private: 0 watts/sqft

Controller Performance Data

Power Input

24VDC UL power supply

Wiring

18 Gauge 2

Conductor class 3

Switch Options

Light switches, Google and Alexa, Smart switches / relays

Shapes

Squares and rectangles

Glazing

Requires fully captured edge

LoE Coatings

Compatible with most climate zone specific coatings

Glass Compliance

Safety

ANSI Z97.1

CPSC 16 CFR 1201

Behavioral Health

ASTM F1233 Class 1.4 tested

AAMA 501.8 tested

Modified 20.0mm construction

Hurricane Impact

Passed TAS 201 & 203, DP50

Modified 12.4mm construction

ASTM E2190

Electrical Certifications

FCC FCC certified

UL UL recognized

NEC class 3 power

Limited system

Controller Operating Temp

50°F - 104°F (10°C - 40°C)

SKYLINE

TRANSFORMING GLASS

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