



SwitchView™ Smart Glass

Product Description

SwitchView™ by GGI is a dynamic laminated glass that transitions from opaque to transparent in less than a second using an electrical current. It features an embedded layer of liquid crystal particles, showcasing advanced smart glass technology. This dynamic glazing solution offers multiple control options, including basic on/off switch functionality and adjustable dimming. Ideal for privacy, lighting control, or flexible spaces, SwitchView™ adapts effortlessly to various settings, combining the durability of laminated glass with modern aesthetics and functionality.

Features & Benefits

- Privacy Control: Instant transition between transparency and opacity.
- Daylighting Control: Optimizes natural light usage, reducing dependency on artificial lighting.
- UV Protection: Shields interiors from harmful ultraviolet rays.
- Aesthetic Appeal: Provides a sleek, modern look.
- Acoustic Insulation: Reduces ambient noise levels.
- Enhanced Security: Limits visibility to protect against intrusions.
- Low Maintenance: Simplifies cleaning and upkeep.
- Smart Integration: Seamlessly integrates with automation systems.

Resources

CSI 3-Part Specifications available on GGI website, RIB SpecLink. Contact sales representative to discuss custom fabrication capabilities.



Technical Information

Glass Size & Thickness	Energy Data
<ul style="list-style-type: none"> • Max. size: 70" x 144" • Max. Thickness: 3/4" • Min. Thickness: 5/16" • Average Thickness: 1/2" 	<ul style="list-style-type: none"> • Input Power: 110-220 VAC / 50-60Hz • Energy Consumption: ON: ~3 watts/ sq meter OFF: 0 Watts in privacy state

Performance Data

ON	OFF
<ul style="list-style-type: none"> • Parallel Light Transmission: 78% • Total Light: 80% • Haze Range: Min 2.1%, dependent on type and thickness of substrates used 	<ul style="list-style-type: none"> • Parallel Light Transmission: 3% • Total Light: 65%; • Haze Range: Full, dependent on type and thickness of substrates used



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Product Information

Lighting Conditions

- Strong and bright light levels inside a room will make SwitchView™ appear hazy when viewing from the outside. As the viewing angle becomes wider, the level of haze increases.
- The highest level of transparency and lowest level of haze is achieved when positioned at a direct angle.
- As the viewing angle becomes wider, the level of haze increases.
- Lighting factors might also increase reflection, which can disturb optical properties.

Viewing Angles

- Haze: Min. 2.1%
- Haze (Off-axis @ 45 degrees): 9-12%
- Viewing the glass at angles of 50 degrees and more will have higher levels of haze.

Passage of Light

The angle and type of light passing through SwitchView™ influence the level of haze. The materials between the glass layers, including the film and adhesive interlayers, can cause light to scatter or diffuse.

This scattering, known as Wide and Narrow Angle Scattering, results in haze and reduced clarity as light is dispersed in different directions.



Warranty

Laminated and tempered glass furnished by GGI is warranted to meet the safety criteria of ANSI Z97.1 and CPSC 16 CFR 1201 Category I and II. Tempered glass is also warranted to meet the quality and strength requirements of ASTM C1036 and ASTM C1048 for Quality Q3, Kind FT. Laminated glass will comply with ASTM C1172 and is warranted against defective materials or workmanship that results in delamination or obstruction of vision under normal conditions of use.

This warranty will extend for a period of five (5) years from the date of delivery. Additionally, GGI-supplied controllers from its manufacturing partner will be warranted for a period of two (2) years from the date of delivery.

Contact us to learn more.

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