



Laminated Switchable Safety /Privacy Smart Glass

Specifications:

1 Lite 6mm Clear tempered / .080" PDLC Smart Film interlayer / 1 lite 6mm Clear tempered 9/16" Overall Thickness

(Structure: Glass, EVA Film, PDLC Film, EVA Film and Glass)

1. Applicable Standards: The standards listed below are the most applicable to the glass products contained in the document:

- Flat glass products comply with ASTM C1036 *Standard Specification for Flat Glass*
- Tempered glass products comply with ASTM C1048 *Standard Specification for Heat-Treated Flat Glass*
- Laminated glass products to comply with: ASTM C1172 *Standard Specification for Laminated Architectural Flat Glass*
- Safety: The glass shall comply with:
 - CPSC 16 CFR1201 Category II US Government Code of Federal Regulations Part 1201 - *Safety Standard for Architectural Glazing Materials*
 - ANSI Z97.1-2015 Class A and B – *American National Standard for Safety Glazing Materials Used in Buildings – Safety Performance Specification and Methods of Testing*

2. Function: Provides Instant Switchable Privacy on demand which becomes Clear / Transparent when energized and is milky white Frosted when power is off for total opaque privacy.

3. Control: Contact SFB for all Controls, Accessories and Power Supplies Available

4. Dimensions: Standard Maximum Width is 84" Maximum Height is 120" (Custom Sizes Available)

5. Glass Thickness: Various thickness option's available (IGU's, Ballistic, Low-e, Safety and Custom Glass)

6. Energy Data: 120VAC Input power to the SFB UL Listed Transformer / 48VAC output to the Smart Glass Panels, energy consumption is 1W per Sqft

7. Performance Data: Various VLT (Visible Light Transmittance) options from Standard 88% Transmittance to 95% Ultra-Clear Transmittance. Standard haze factor is 3%, Ultra Clear haze factor is 1-2%, UV block 99%, IRR 86%
(VLT specs are for the internal PDLC film only)

8. Operating Temperature: -25 degrees to 70 degrees Celsius

9. Wire Leads: Standard length is 18" (Custom lengths available upon request)

10. Warranty: 5-Years against mfg defects, labor and freight not included

Smart-Film-Blinds: 5410-B Klee Mill Rd. Sykesville, Maryland 21784

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