



# Laminated Switchable Privacy Smart Glass

## **Specifications:**

*Specified Glass Thickness / .080" PDLC Smart Film interlayer / 1 lite Xmm Clear tempered*

*Specified" Overall Thickness (Structure: Glass, EVA Film, ITO Film, PDLC Film, ITO 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. (\*Reverse Operation Available)

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

**4. Dimensions:** Standard Maximum Width is 72" Standard Maximum Height is 144" (Custom Sizes Available)

**5. Glass Thickness:** Various thickness options available

**6. Energy Data:** 120VAC Input power to the SFB UL Listed Transformer / 48-60VAC 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 92% Ultra-Clear Transmittance. Standard haze factor is 3-4%, 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