



LTI Smart Glass, Inc. Sample Product

Switchable Privacy SGULLC.0110 Smart Sample

UL LISTING CATEGORY: IYQX.E216500

www.LTISG.com/ul

Function:

Provides instant switchable privacy for a translucent, milky white, laminated panel to become transparent with the application of an electrical current to an embedded layer of liquid crystal particles.

Purpose:

Provides the Contractor, Designer or Architect a functioning portable demonstration of Smart Glass technology for their clients evaluation. Easily presentable in-the-field or the office to showcase the product and its capabilities.

Dimension:

Width: 8" (203mm)
Length: 11" (280mm)
Larger custom sizes available.

Energy Data:

Input Power: 120VAC /60Hz
Energy Consumption: ~2-5 watts/ sq meter
0 Watts in privacy state

Thickness (Glass):

Sample Thickness: 5/16" (7.9mm)
Installed panels @ 7/16" or 9/16"
1" Insulated Units (IGU's) Available

Thickness (Polycarbonate):

Maximum Thickness: (unlimited)
Minimum Thickness: 1/16" (1.58mm)
[Glass = standard / Polycarb = optional]

Performance Data:

Parallel Light Transmission:

On: 70% / Total Light: 80%; Haze Range: 5-10%, dependent on type and thickness of substrates used

Off: 5% / Total Light: 75%; Haze Range: Full, dependent on type and thickness of substrates used

Switching Speed:

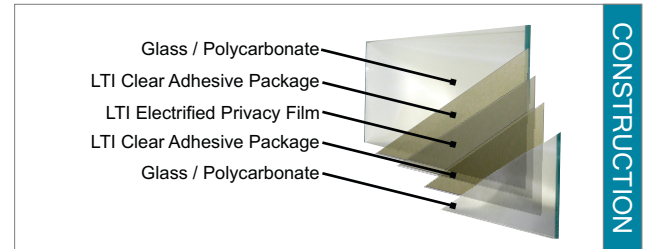
Private to Transparent: Approx 7 ms
Transparent to Private: Approx 17 ms

Operating Temp:

0-70°C

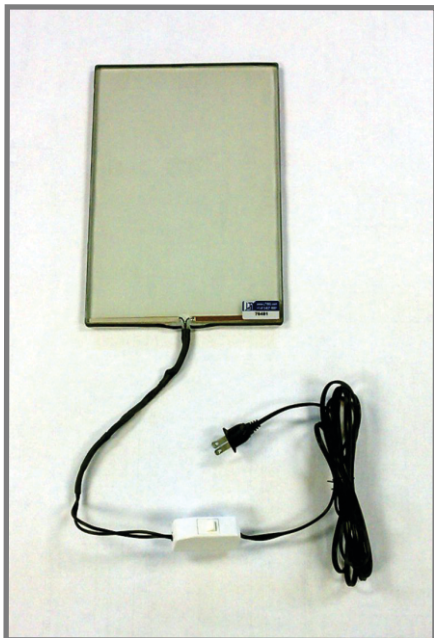
Method of Action:

Electrical current either aligns or randomizes liquid crystals to achieve desired transparency.



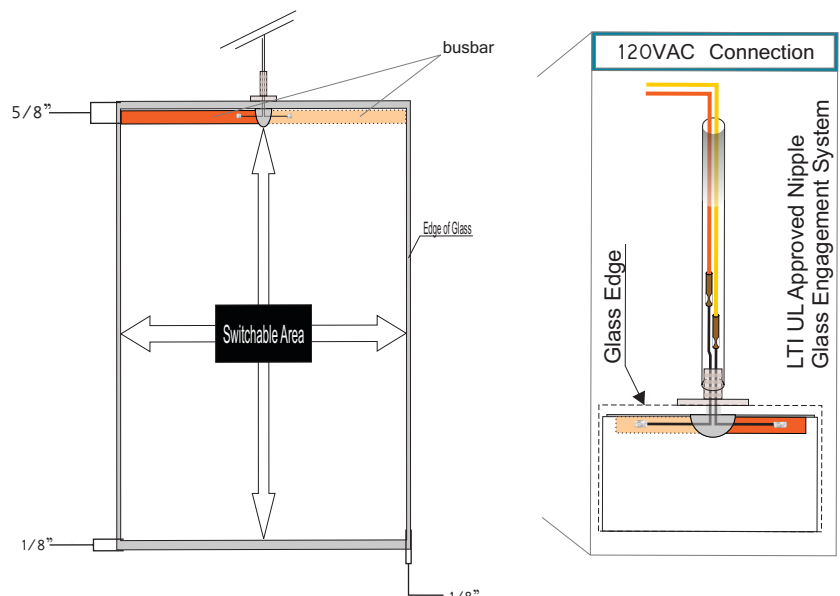
This product is manufactured using ANSI Z97.1 for laminated safety glass construction

Handheld Sample Detail:



Electrical Requirement & Panel Design:

Samples are pre-wired with AC Plug-In cords and include an on/off switch. Switchable area securely encapsulated by sealed & laminated edge.



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