



LTI Smart Glass, Inc.

Switchable Privacy SGULLC.0110.IGU Specifications

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.

Switching Action:

An array of switching options are available from a basic single-pole/single throw switch to advanced integration into home automation systems.

Dimension:

Maximum width: 38.5" (978mm)
Maximum length: 120" (3048mm)
Larger custom sizes available.

Energy Data:

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

Thickness (Glass):

Maximum Thickness: (unlimited)
Minimum Thickness: 1" (overall)
[average thickness @ 7/16" interior]

Thickness (Polycarbonate):

Maximum Thickness: (unlimited)
Minimum Thickness: -same as glass-

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

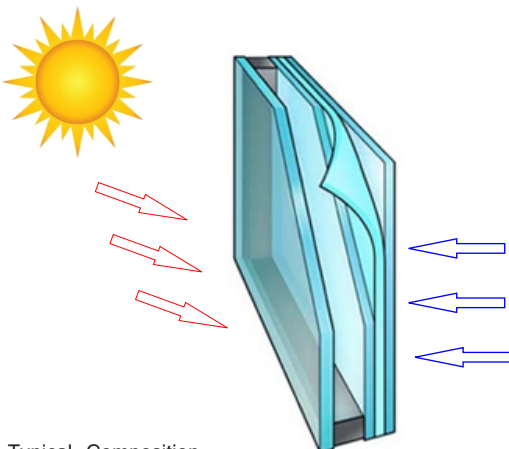
Operating Temp:

0-70°C

Installation Data:

Insulated Glazed Unit (IGU) detail:

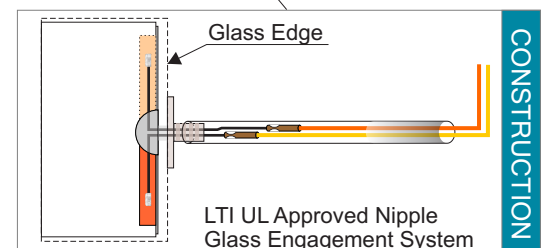
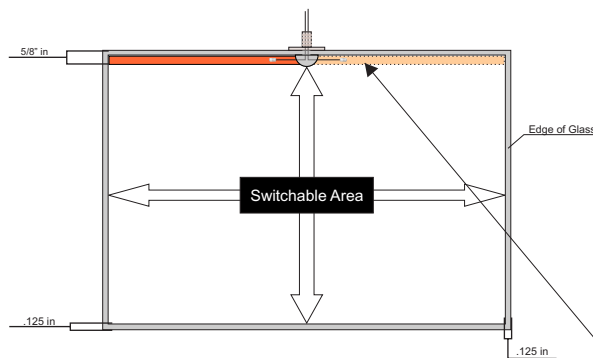
See LTI LC installation manual for additional glazing details (DOW995 Sealant) and cautions.



Typical Composition:
3/16" glass + 3/8" airspace + 7/16" SmartGlass = 1" O.A.

Power Leads:

Leads generally exit top center of panel - 10' of lead standard



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