



# LTI Smart Glass, Inc.

## Switchable Privacy SGULLC.0110 Specifications

UL LISTING CATEGORY: IYQX.E216500

[www.LTISG.com/ul](http://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: 54" (1371mm)  
 Maximum length: 120" (3048mm)  
 Larger custom sizes available.

### Energy Data:

**Input Power:** 120VAC /60Hz  
**Energy Consumption:** ~3 watts/ sq meter  
 0 Watts in privacy state

### Thickness (Glass):

Maximum Thickness: (unlimited)  
 Minimum Thickness: 5/16" (7.9mm)  
 [average thickness @ 7/16"]

### Thickness (Polycarbonate):

Maximum Thickness: (unlimited)  
 Minimum Thickness: 1/16" (1.58mm)

### 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:

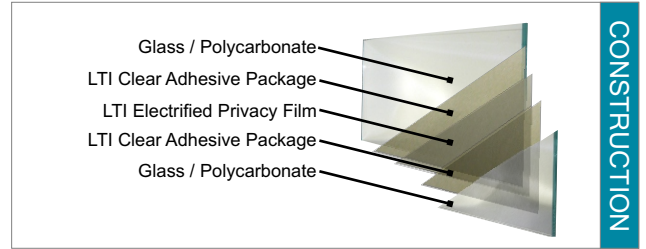
Private to Transparent: Approx 7 ms  
 Transparent to Private: Approx 17 ms

#### Operating Temp:

0-70°C

### Method of Action:

Electrical current either aligns or randomizes liquid crystals to achieve desired transparency. (Default is Private)



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

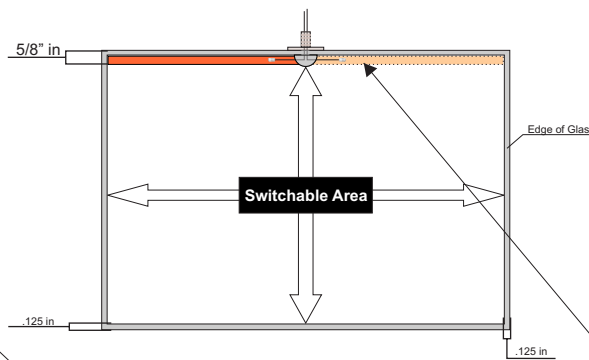
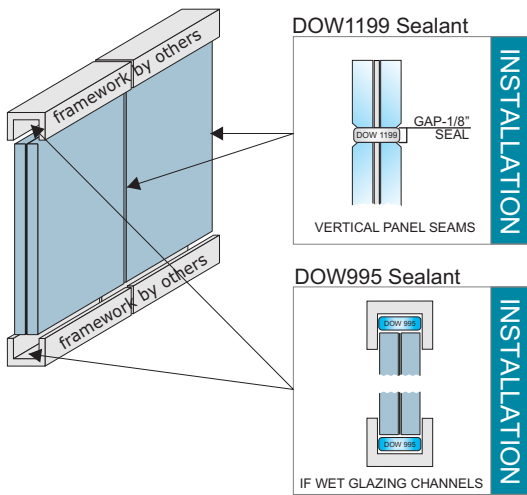
### Installation Data:

#### Wet Glazing Sealant Specification:

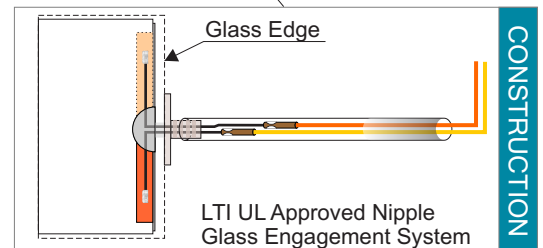
See LTI LC installation manual for additional glazing details and cautions

#### Power Leads:

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



**WARNING!**  
 DOW 1199 MUST OUT-GAS TO THE ATMOSPHERE DURING CURE, FRAMES WILL PREVENT PROPER CURING



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