

PNLC GLASS TECHNICAL SPECIFICATIONS

ELECTRICAL	TECHNICAL	OPTICAL
Working Voltage (ON): 60-80VAC	Glass Type: Low Iron (Heat Treated or Fully Tempered)	Visible Light Transmission (OFF): 91%
Power Consumption <0.5W/SF	Glass Color: Can be combined with color interlayers or a wide range of tinted glass to meet any requirement	Visible Light Transmission (OFF): 73%
Saturated Voltage (ON): <35VAC	Max Size 57 inch x 165 inch	Haze (ON): 95% Haze (OFF): 2.4%
Responding Time (OFF-ON): <200ms	Thickness 3/8 inch Thickness 1/2 inch Thickness 9/16 inch Weight ~5 lbs/sqft	UV Block: 99% /365nm-380nm
Responding Time (ON-OFF): <10ms	Shape: Any shape or curved including holes, notches and cut outs.	IR Block (ON): 98% IR Block (OFF): 20%
Switch Speed ON < 200 milliseconds	Sound transmission class (STC) ~ 37 Operating Temperature: -22°C ~122°C	SHGC (ON): 0.74% SHGC (OFF): 0.31%
Switch Speed OFF < 10 milliseconds	Lifespan (ON): > 10 Years	Light Transmission View Angle (ON): 170°

We test our product regularly to ensure adhesion and safety. As a Certified Laminator our tolerances exceed those defined for industry by SGCC, IGCC, UL and ASTM. We pride ourselves on our ability to tackle complex challenges, push the boundaries of design, and exceed client expectations with every project we undertake.

UL Certificate E514182
a. cULus - Recognized component to UL 962 5th edition
b. CSA C22.2 No. 0.4, Bonding of Electrical Equipment, Edition 4.
Product Category IYQX2/8

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Canadian Patent #3.212.838
SGCC 9059 / IGCC 5997-P L23