



PRIVY

INTERIOR

TECHNICAL SPECIFICATIONS



PRODUCT FEATURES

HOW DOES IT WORKS

Liquid Crystal particles are dispersed within a formulated Polymer matrix, and when supplied with a flow of electricity, these particles will align parallel to each other to allow light to pass through. Once the flow of electricity stops, the crystals return to their original position (randomly oriented towards each other), and will block the flow of light. This Liquid Crystal Polymer coated film is then laminated between two glass panels to become PRIVY-X glass.

PRODUCT SPECIFICATION



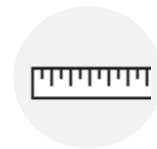
MODE

Power ON: Clear
Power OFF: Opaque



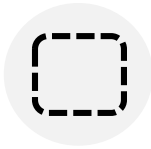
COLOUR

Power ON: Clear
Power OFF: Milky White



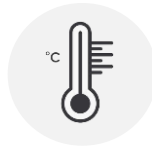
SIZE

Max: 1520 mm (W)
x 3000 mm (H)



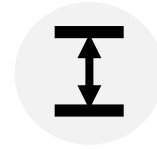
TRANSPARENCY

80%



TEMPERATURE

-5 – 60 °C



THICKNESS

0.37 mm + 2%



VIEWING ANGLE

140° at Clear State



LIFETIME

> 50,000 hrs



RESPONSE TIME

OFF – ON: 2 ms
ON – OFF: 100 ms



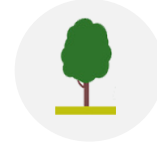
UV BLOCK

98%



DRIVING VOLTAGE

50 V



ENERGY CONSUME

5 W/m²

Note: Although the film has passed a high voltage test, for extending the operational lifetime of the film, the driving voltage should not exceed 110V. Calculation for suitable driving voltage is: *Driving Voltage = Standard Voltage + Sheet Resistance Compensation*. *Sheet Resistance Compensation = 5V x Distance between electrodes in foot*. The above data are typical values. Due to continual research and development of the products, the data may change without notice.