



Reflecting  
Tomorrow

# PRIVY

## INTERIOR

### TECHNICAL SPECIFICATIONS

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# 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.

## PRODUCT SPECIFICATION



### MODE

Power ON: Clear  
Power OFF: Opaque



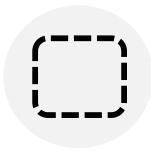
### COLOUR

Power ON: Clear  
Power OFF: Milky White



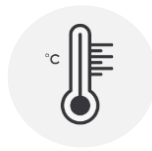
### SIZE

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



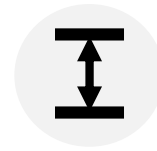
### TRANSPARENCY

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



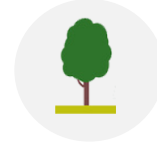
### UV BLOCK

98%



### DRIVING VOLTAGE

50 V



### ENERGY CONSUME

5 W/m<sup>2</sup>

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.