





When SONTE Film is off, the polymer dispersed liquid crystals are jumbled randomly causing light to disperse and unable to penetrate SONTE Film resulting in an opaque state.

When SONTE Film is switched on, the polymer liquid dispersed crystals align allowing light to penetrate and giving SONTE Film the transparent state.





APPLICATION

Residential

Windows, screens, doors, **skylights**, sliding/folding doors, optical shutter, bathroom/shower enclosures, hurricane resistant windows...

Commercial

Windows, **skylights**, sliding/folding doors, optical shutter, cosmetic/specialty counters/shops/boutiques, conference room, office & boardroom partition screen, advertising displays...

• Industrial

Skylights, doors, machinery screening...

Hospitality

Hotel room privacy screen, bathroom & bedroom privacy protection, **sun facing** windows, doors, conference center windows & **skylights**, bars & restaurants, balconies...

Healthcare

Nurseries, emergency rooms, ICUs, operating rooms...

Education

Class room partition, white board, projector screen...

Security

Entrance foyer, teller & cash counting screens...

Vehicles (Trains, Buses, Planes, Limos)
Driver privacy/sun protection, security screens...

• Retail & Showroom

Vanity screens, feature screens, projection windows...

Projection

Internal high resolution front/rear projection screens...

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SECURITY & SAFETY

- Protect occupants / interiors from the effect of harmful UV rays
- Reduce interior temperatures
- Control glare
- Decrease noise pollution from entering your house
- Provides lamination effect to your windows for added storm protection

HIGHLIGHT

- Wi-Fi connectivity
- Privacy **p**rotection
- UV/IR Protection
- High Light Transmittance
- Energy-Saving
- DIY friendly

ADVANTAGE & BENEFIT

- Instant on privacy control
- Protection from sun damage to skin
- Exceptional optical quality that reduce glare & eye strain
- Reduced fading of carpets, furniture and protects valuables
- Energy savings on cooling & lighting costs
- Ambient temperature control
- Aesthetically pleasing
- High durability
- Efficient use of space in the built **up** environment
- Low maintenance cost
- High contrast for use as **front &** rear projection screen

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SPECIFICATION

Product SONTE Digital Shade

Model No. SF001C01

Color Milky White

Thickness $0.5 \pm 0.02 \text{ mm}$

Dimension Up to 1200mm x 4000mm

Transparent when on Operation

Opaque when off

> 76% (ON)

>50% (OFF)

Haze Coefficient < 8% (ON)

>90% (OFF)

UV Absorption Index >95%

IR Absorption Index >80% (OFF)

Switching Time <40 milliseconds

Driving Voltage up to 70V AC

Frequency 50 / 60Hz

Consumption $<5W/M^2$ (ON)

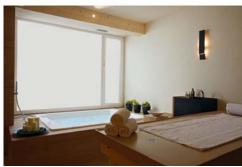
Operating Temperature $-20~^{\circ}\text{C}~-~70~^{\circ}\text{C}$

Storage Temperature -15° C - 50 °C,

<70% RH

Product Life Over 10 years if used indoors









NB: SONTE LLC reserves the right, without notification, to make changes in product specification or performance.

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