



Tomorrow . Today



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

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





APPLICATION

- Residential
Windows, screens, doors, roof-lights, sliding/folding doors, optical shutter, bathroom/shower enclosures, hurricane resistant windows ...
- Commercial
Windows, roof-lights, sliding/folding doors, optical shutter, cosmetic/specialty counters/shops/ Boutiques, conference room, office & boardroom partition screen, electronic clocks/scoreboard/ advertising displays ...
- Industrial
Roof-lights, doors, machinery screening...
- Hospitality
Hotel room privacy screen, bathroom & bedroom privacy protection, external windows, doors, conference center windows & roof-lights, bar & restaurant screen, balconies...
- Healthcare
Nurseries, emergency rooms, ICUs, operating rooms
- Education
Digital writing board
- Security
Entrance foyer, teller & cash counting screens ...
- Vehicles (Trains, Buses, Planes, Limos)
Driver privacy protection, security screens ...
- Retail & Showroom
Vanity screens, feature screens, projection windows ...
- Projection
Internal high resolution rear projection screens ...



SECURITY & SAFETY

- Protect occupant / the interiors from the effect of harmful UV rays
- Protect indoor people from life threat
- Reduce harmful solar heat gain
- Control glare
- Decrease the decibel of noise pollution
- Low electric consumption

HIGHLIGHT

- Wi-Fi Enabled
- Privacy Protection
- UV/IR Protection
- High Light Transmittance
- Environmental & Energy-Saving
- DIY

ADVANTAGE & BENEFIT

- Instant and precise privacy control and security with architectural integrity
- Eco-friendly, protect skin of damaging UV 95+%
- Exceptional optical quality that reduce glare & eye strain
- Reduced fading of carpets, furniture and protects valuable artwork
- Energy savings on cooling & lighting costs
- Ambient temperature control
- Aesthetically pleasing
- High durability
- Efficient use of space in the built environment
- Ultra hygienic low maintenance cost
- High contrast for use as rear projection screen
- Reduce uncomfortable “Gold Fish Bowl” feeling when working in high density office buildings



SPECIFICATION

| | |
|-----------------------|--|
| Product | SONTE Digital Shade |
| Model No. | SF001C01 |
| Color | Milky White |
| Thickness | 0.5 ± 0.02mm |
| Dimension | Up to 1200mm x 4000mm |
| Operation | Transparent at power on Opaque at power off |
| Light Transmittance | >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 | ≤60VAC |
| Frequency | 50/60Hz |
| Consumption | <5 W/m ² (ON) |
| Operating Temperature | -20 °C - 70 °C |
| Storage Temperature | -15 °C - 50 °C, <70% RH |
| Product Life | Over 10 years if used indoors |



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