

SFI Smart Film Products

GENERAL

Item	NCAP Film Lamination	PDLC Film Lamination	PDLC Film Adhesive
Technology	NCAP PDLC	PDLC	PDLC
Width	1,420mm	2,000mm	1,800mm
Length	Length – 20 meters	Length – unlimited	Length – unlimited
THICKNESS	0.40mm	0.40mm	0.45mm
Expose to sun	Possible with IGU	Possible with IGU	Possible, includes IR protection
Colors	white	white, light grey, dark grey	white, light grey, dark grey, black
Method	EVA, TPU	EVA, TPU	Dry Stick
Format	Roll 1.0m; 1.42m	Roll or Cut to Size with wires	Roll or Cut to Size with wires

LOGISTICS

Lead time	10 days	3 days	3 days
Box size	38 X 38 X (L+20) cm	38 X 38 X (L+20) cm	38 X 38 X (L+20) cm
Warranty	1 year	1 year	1 year

OPTICAL – FILMS

Item		NCAP Film Lamination		PDLC Film Lamination		PDLC Film Adhesive	
		ON	OFF	ON	OFF	ON	OFF
		4%	95%	6%	95%	7%	95%
HAZE		4%	95%	6%	95%	7%	95%
VLT		80%	40%	80%	8%	80%	8%
IR BLOCKING		15%	50%	25%	90%	35%	90%
UV BLOCKING		50%	65%	75%	95%	100%	100%
VIEWING ANGLE		180 degrees		150 degrees		150 degrees	
OPTICAL - LAMINATED GLASS							
		ON	OFF	ON	OFF	ON	OFF
VLT		80%	40%	80%	6%	Depends on glass	
IR BLOCKING		35%	60%	23%	90%		
UV BLOCKING		100%	100%	99%	100%		

ELECTRICAL

Item	Power	NCAP Film Lamination	PDLC Film Lamination	PDLC Film Adhesive
VOLTAGE	ON	100 VAC	48 VAC	48 VAC
RESPONSE TIME	ON à OFF	15ms	10ms	10ms
	OFF à ON	34ms	200ms	200ms
POWER CONSUMPTION	ON	<5W/M ²	<5W/M ²	<5W/M ²
AMPERE <i>(50% higher in glass)</i>	ON	< 110 mA/sqm	< 150 mA/sqm	< 150 mA/sqm

ENVIRONMENTAL

OPERATING TEMPERATURE	ON/OFF	-20°C~ 60°C	-20°C~ 60°C	-20°C~ 60°C
STORAGE TEMPERATURE	ON/OFF	-20°C~ 60°C	-20°C~ 60°C	-20°C~ 60°C
LIFE (INDOORS)	ON/OFF	>10 years	>10 years	>10 years

LIGHT PRIVACY GREY FILM

Item	NCAP Film Lamination	PDLC Film Lamination		PDLC Film Adhesive	
		ON	OFF	ON	OFF
VLT	none	50%	5%	50%	5%
IR BLOCKING		40%	90%	40%	90%
UV BLOCKING		70%	100%	70%	100%

DARK GREY PRIVACY FILM

Item	NCAP Film Lamination	ON	OFF	ON	OFF
		VLT	25%	2%	25%
IR BLOCKING	none	66%	94%	66%	94%
UV BLOCKING		100%	100%	100%	100%

BLACK PRIVACY FILM

Item	NCAP Film Lamination	ON	OFF	ON	OFF
		VLT	10%	0%	10%
IR BLOCKING	none	95%	100%	95%	100%
UV BLOCKING		100%	100%	100%	100%