

## SFI Smart Film Products

Item	Extra Clear Film Lamination	PDLC film Lamination	PDLC film Adhesive	Automotive Film Adhesive; Lamination
<b>GENERAL</b>				
<b>Technology</b>	NCAP PDLC	PDLC	PDLC	PDLC
<b>Width</b>	1,000mm	1,800mm	1,500mm	1,200mm
<b>Length</b>	Length – 20m	Length – unlimited	Length – unlimited	Length – unlimited
<b>THICKNESS</b>	0.40mm	0.40mm	0.45mm	0.12mm
<b>Expose to sun</b>	No	No	No	Yes
<b>Colors</b>	white	white, light grey, dark grey	white, light grey, dark grey	white, grey
<b>Method</b>	EVA	EVA	Dry Stick	Wet Stick
<b>Format</b>	Roll 1.0m; 1.4m	Roll 1.2m; 1.5m; 1.8m; Cut to Size	Roll 1.2m; 1.5m; Cut to Size	Roll 1.2m; Cut to Size
<b>LOGISTIC</b>				
<b>Lead time</b>	3 weeks	2 weeks	2 weeks	3 weeks
<b>Box size</b>	45 X 45 X 120cm	44 X 44 X ___cm	44 X 44 X ___cm	40 X 40 X 140cm
<b>Time in Market</b>	20+ years	8 years	8 years	4 years
<b>Comment</b>	No 4h daily shut off	No 4h daily shut off	No 4h daily shut off	No 4h daily shut off
<b>Warranty</b>	10 years	2 years	2 years	2 years

# SFI PDLC Detailed Specification

Item	Power	Extra Clear Film Lamination	PDLC film Lamination	PDLC film Adhesive	Automotive Film Adhesive; Lamination
<b>OPTICAL</b>					
<b>VLT</b>	ON	>90%	>80%	>80%	>80%
	OFF	<5%	<5%	<5%	<5%
<b>HAZE</b>	ON	4%	6%	7%	7%
	OFF	>95%	>95%	>95%	>95%
<b>VIEWING ANGLE</b>	ON	180 degrees	150 degrees	150 degrees	150 degrees
<b>UV BLOCKING</b>	ON	>98%	>98%	>98%	>50%
	OFF	>98%	>98%	>98%	>98%
<b>IR BLOCKING</b>	ON	30%	30%	30%	30%
	OFF	85%	80%	80%	85%
<b>ELECTRICAL</b>					
<b>VOLTAGE</b>	ON	100 VAC	65 VAC	65 VAC	36 VAC
<b>RESPONSE TIME</b>	ON à OFF	15ms	10ms	10ms	10ms
	OFF à ON	34ms	200ms	200ms	200ms
<b>POWER CONSUMPTION</b>	ON	<5W/M <sup>2</sup>	<5W/M <sup>2</sup>	<5W/M <sup>2</sup>	<5W/M <sup>2</sup>
<b>AMPERE</b>	ON	110 mA/sqm	200 mA/sqm	150 mA/sqm	100 mA/sqm

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<b>ENVIRONMENTAL</b>					
<b>OPERATING TEMPERATURE</b>	ON/OFF	-20°C~ 60°C	-20°C~ 60°C	-20°C~ 60°C	-20°C~ 60°C
<b>STORAGE TEMPERATURE</b>	ON/OFF	-40°C~ 70°C	-20°C~ 60°C	-20°C~ 60°C	-20°C~ 60°C
<b>LIFE (INDOORS)</b>	ON/OFF	>20 years	5-10 years	5-10 years	5-10 years
<b>LIGHT GREY FILM</b>					
<b>VLT</b>	ON	none	40%	50%	>70%
	OFF	none	<5%	<5%	
<b>DARK GREY FILM</b>					
<b>VLT</b>	ON	none	30%	40%	
	OFF	none	<5%	<5%	