

SFI Smart Film Products

Item	PDLC film Lamination	PDLC film Adhesive	Automotive Film Adhesive
GENERAL			
Technology	PDLC	PDLC	PDLC
Width	1,800mm	1,500mm	1,200mm
Length	Length – unlimited	Length – unlimited	Length – unlimited
THICKNESS	0.40mm	0.45mm	0.12mm
Expose to sun	No	No	Yes
Colors	white, light grey, dark grey	white, light grey, dark grey	white, grey
Method	EVA	Dry Stick	Wet Stick
Format	Roll 1.2m; 1.5m; 1.8m; Cut to Size	Roll 1.2m; 1.5m; Cut to Size	Roll 1.2m; Cut to Size
LOGISTIC			
Lead time	2 weeks	2 weeks	3 weeks
1500mm box size	40 X 40 X 170cm	40 X 40 X 170cm	40 X 40 X 140cm
Time in Market	8 years	8 years	4 years
Comment	No 4h daily shut off	No 4h daily shut off	No 4h daily shut off
Warranty	2 years	2 years	2 years

SFI PDLC Detailed Specification

Item	Power	PDLC film Lamination	PDLC film Adhesive	Automotive Film Adhesive; Lamination
OPTICAL				
VLT	ON	>80%	>80%	>80%
	OFF	<5%	<5%	<5%
HAZE	ON	6%	7%	7%
	OFF	>95%	>95%	>95%
VIEWING ANGLE	ON	150 degrees	150 degrees	150 degrees
UV BLOCKING	ON	>98%	>98%	>50%
	OFF	>98%	>98%	>98%
IR BLOCKING	ON	30%	30%	30%
	OFF	80%	80%	85%
ELECTRICAL				
VOLTAGE	ON	48 VAC	48 VAC	36 VAC
RESPONSE TIME	ON à OFF	10ms	10ms	10ms
	OFF à ON	200ms	200ms	200ms
POWER CONSUMPTION	ON	<10W/M ²	<10W/M ²	<10W/M ²
AMPERE (higher when in glass)	ON	200 mA/sqm	150 mA/sqm	100 mA/sqm

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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	5-10 years	5-10 years	5-10 years
LIGHT GREY FILM				
VLT	ON	40%	50%	>70%
	OFF	<5%	<5%	
DARK GREY FILM				
VLT	ON	30%	40%	
	OFF	<5%	<5%	