

SFI Smart Film Products

Item	Extra Clear Film Lamination	PDLC film Lamination	PDLC film Adhesive	Automotive Film Adhesive; Lamination
GENERAL				
Technology	NCAP PDLC	PDLC	PDLC	PDLC
Width	1,000mm	1,800mm	1,500mm	1,200mm
Length	Length – 20m	Length – unlimited	Length – unlimited	Length – unlimited
THICKNESS	0.40mm	0.40mm	0.45mm	0.12mm
Expose to sun	No	No	No	Yes
Voltage	100-120v	65-75v	65-75v	36v
Colors	white	white, light grey, dark grey	white, light grey, dark grey	white, grey
Method	EVA	EVA	Dry Stick	Wet Stick
Format	Roll 1m	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	3 weeks	2 weeks	2 weeks	3 weeks
Box size	45 X 45 X 120cm	44 X 44 X 170cm	44 X 44 X 170cm	40 X 40 X 140cm
Time in Market	20+ years	8 years	8 years	4 years
Comment	No 4h daily shut off	No 4h daily shut off	No 4h daily shut off	No 4h daily shut off
Warranty	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
OPTICAL					
VLT	ON	>90%	>80%	>80%	>80%
	OFF	<5%	<5%	<5%	<5%
HAZE	ON	4%	<5%	<5%	<7%
	OFF	>95%	>95%	>95%	>95%
VIEWING ANGLE	ON	180 degrees	150 degrees	150 degrees	150 degrees
UV BLOCKING	ON	>98%	>98%	>98%	>50%
	OFF	>98%	>98%	>98%	>98%
IR BLOCKING	ON	30%	30%	30%	30%
	OFF	85%	80%	80%	85%
ELECTRICAL					
Power supply V	ON	100-120 VAC	65 VAC	65 VAC	65 VAC
RESPONSE TIME	ON à OFF	15ms	10ms	10ms	10ms
	OFF à ON	34ms	200ms	200ms	200ms
POWER CONSUMPTION	ON	<5W/M ²	<5W/M ²	<5W/M ²	<5W/M ²
AMPERE	ON	110 mA/sqm	200 mA/sqm	150 mA/sqm	100 mA/sqm

Item	Power	Extra Clear Film Lamination	PDLC film Lamination	PDLC film Adhesive	Automotive Film Adhesive; Lamination
ENVIRONMENTAL					
OPERATING TEMPERATURE	ON/OFF	-20°C~ 60°C	-20°C~ 60°C	-20°C~ 60°C	-20°C~ 60°C
STORAGE TEMPERATURE	ON/OFF	-40°C~ 70°C	-20°C~ 60°C	-20°C~ 60°C	-20°C~ 60°C
LIFE (INDOORS)	ON/OFF	>20 years	5-10 years	5-10 years	5-10 years
LIGHT GREY FILM					
VLT	ON	none	40%	50%	
	OFF	none	<5%	<5%	
DARK GREY FILM					
VLT	ON	none	30%	40%	
	OFF	none	<5%	<5%	