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Liquid Cristal Products

Liquid Cristal Material makes your window alive/smart



Self adhesive Film

The self adhesive lc film fits to all flat surfaces like glass, plexi acryl etc.

- * Easy installation
- * 45/48/65 VAC
- * High transparent, low Haze
- * Anti scratch coating
- * UV/IR Filter
- * Custom shapes/sizes
- * Available pre-cutted or tube
- * White/Grey color
- * no limit on markets

LC lamination Film

The LC lamination film is a special type of LC film and is basicaly used for the switch-glass production.

SmartFilmPlus supports glass-producer in all importand steps from the preperation of the maschines till the setup of the oven/autoclav!

- * 45/48/65 VAC
- * High transparent, low Haze
- * Ready to use with EVA/PVB
- * UV/IR Filter
- * Custom shapes/sizes
- * Available pre-cutted or tube
- * White/Grey color

Liquid Cristal Film Spezifikation

Find out all the technical, optical and electrical spezifikation of our „white“ liquid cristal film.

Item Nr.		Mode	Unit	Tolerance	Value
Optical	Visible Light Transmission	On	%	+/- 1	83
		Off	%	/	>55
	Haze Coef.	On	%	+/- 0,5	4,3
		Off	%	/	>96
	Viewing Angle	On	%	/	>120
Electrical	Operate Voltage	On	VAC	/	48 ~ 65(50/60HZ)
	Response time	On-->Off	ms		≤100
		Off-->On	ms		≤10
	Power Consumption	On	W/h/m2		< 5.0
Operate Mode		On	/	/	Transparent
		Off	/	/	Opaque
		Dimming	/	/	Yes
UV Rejection		On/Off	%	/	≥99
Scratch resistance		/	/	/	Yes
Working Temperature		/	C°	/	-20 ~ 65°C
Storage Temperature		/	C°	/	-20 ~ 60°C
Lifetime		On	hrs	/	>80000
Thickness			mm	+/- 0,05	0,380
Noise reduction					ca 35db

* We deliver the self adh LC film and the lamination LC film cutted in shape with pre-installed busbar (ready to install) or on a tupe for self preperation as well.

* Combined with special coating - ready to use with B1 fireproof certificate!

Spezification of Tubes

For Reseller and Dealer we offer the LC film on tube. Cut and prepare the busbar by yourself!

	Width (mm)			Length (m)		
	Substrate	Available	Charging	30	50	custom
1000	1100	1080	1000	x	x	x
1200	1240	1210	1200	x	x	x
1500	1540	1510	1500	x	x	x
1800*			1800	x	x	x

* 1800mm self adh. film is without hard-coating, no anti scratch!

Spezification of Transformer

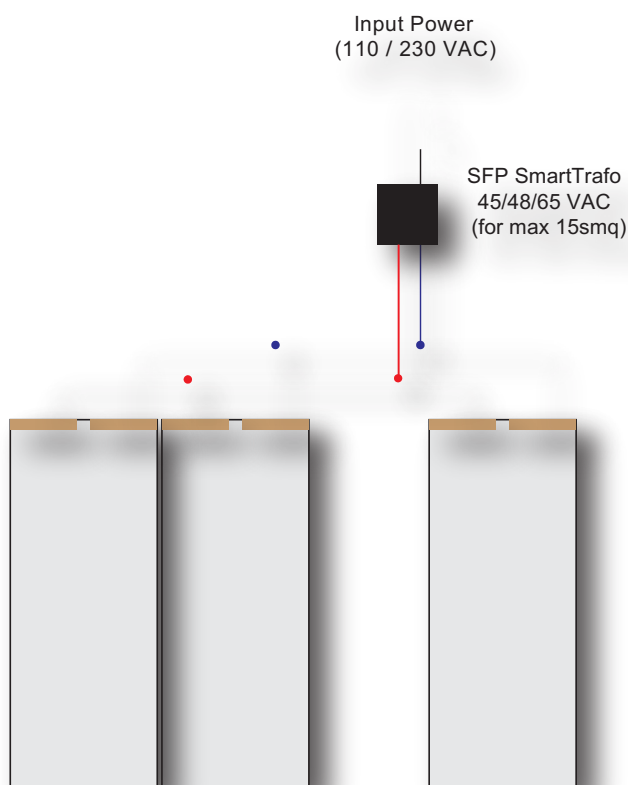
Or testet und certified smart transformer are Made in Austria or Germany and are well testet for LC film/glass

	Certificates / Countries			Power	
	CE	EU (230VAC)	US (110VAC)	30W	100W
W45	x	x		x	x
W48	x	x		on order	x
W65	x	x	x	on order	x
Relais	RF (1, 2, 4 chanel), WIFI, ALEXA, App				

Connection Film/Glass - SmartTrafo

All of our LC products works with our certified SFP SmartTrafos. They support the LC Film with AC power in different watt.

The SFP SmartTrafos are so called High Secure Trafo, include a two way fuse control and have limeted max. output Power.

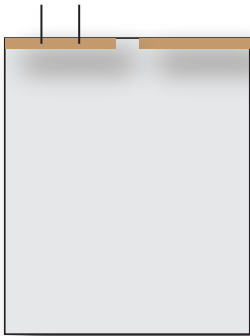


- * High secure Trafo
- * Double Fuse System
- * 45/48/65 VAC
- * IP65
- * EU & US Version
- * CE Certificate
- * Made in Austria
- * indoor, outdoor
- * wetroom

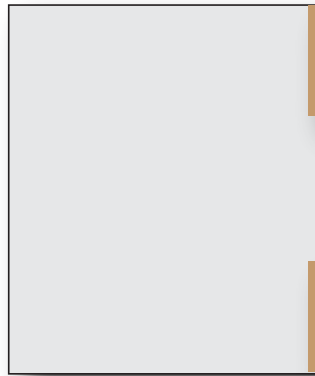
Busbar Location (Film/Glass)

The busbar on smartfilm or smartglass can be on several different locations. Please check that for every order with your trader.

One short side



One long side



Both short sides



Both long sides



- * four different types
- * one short side
- * both short sides
- * one long side
- * both long sides
- * depend on relation
- * start on the corner

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Liquid Cristal Products

- 
- * different color
 - * cutted in size
 - * cutted in shape
 - * global installation
 - * fast delivery
 - * high transparency
 - * low haze effect

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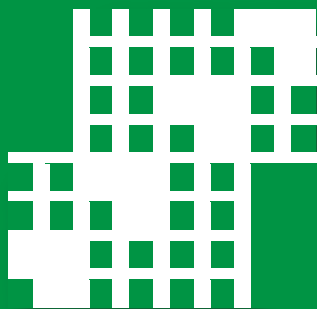
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