

TECHNICAL DATA SHEET

DYNAMIC TINTED GLASS (FGTDS-CR-29)



The future of facades is here! The one overlooked and probably the biggest limitation in facades today is their static nature. No matter what the light and heat conditions, their performance remains the same. This is about to change for the better! In collaboration with Merck™, we present eyrise™ - the world's first LCD integrated facade panels that offers industry leading range of light and heat transmission with switching times of less than a second! Also possibly in a wide variety of shapes, including sharp triangles, and even in a wide range of tints to suit all architectural needs.

TECHNICAL SPECIFICATIONS

Description	Levels
Switching Speed	1 second
Infill Type	Liquid Crystal Display
U-Value	down to 0.50 W/m ² K
Colour Tint	Neutral
Switching	Electric drive controlled

EYRISE™ GLASS PERFORMANCE

CONFIGURATION: 23.04 MM - 16 MM ARGON - 6 LOW-E COATED

Liquid Crystal Mixture	Light Transmittance		Solar Factor		Colour Rendering Index	
	Bright (%)	Dark (%)	Bright	Dark	R _a Bright	R _a Dark
LC Mixture A	60	29	0.41	0.31	96	97
LC Mixture B	57	18	0.39	0.23	96	96
LC Mixture C	52	11	0.37	0.20	96	95
LC Mixture D	48	7	0.35	0.18	96	96
LC Mixture E	39	2	0.32	0.15	95	74

CONFIGURATION: 23.04 MM - 16 MM ARGON - 6 SOLAR CONTROL COATED

Liquid Crystal Mixture	Light Transmittance		Solar Factor		Colour Rendering Index	
	Bright (%)	Dark (%)	Bright	Dark	R _a Bright	R _a Dark
LC Mixture A	55	26	0.33	0.21	93	95
LC Mixture B	53	17	0.32	0.17	93	94
LC Mixture C	49	11	0.30	0.14	92	93
LC Mixture D	45	7	0.28	0.12	92	92
LC Mixture E	37	2	0.25	0.09	92	76

DIMENSIONS

Description	Levels
Minimum Size	405 mm X 410 mm
Maximum Size	1600 mm X 3505 mm

UNIQUE SELLING POINTS

Description	Levels
1. Creates an aesthetically stunning statement.	2. Fastest switching speed in the world.
3. Wide range of colours possible.	4. Extremely durable and robust product.
5. Complex shapes possible (including triangles).	6. No disturbing blue tint in darkest state.
7. Eliminates need of curtains and blinds.	8. Can be integrated with your BIM system.