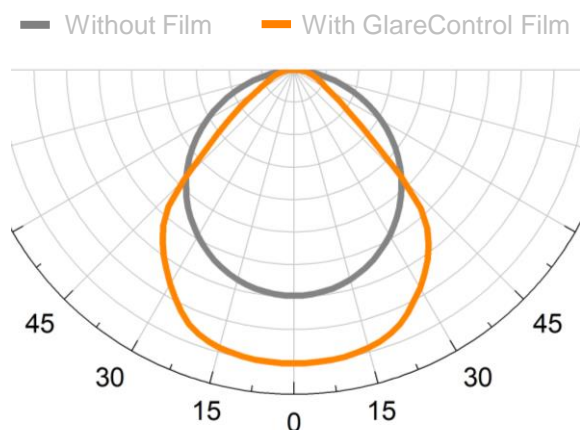


BASF GlareControl

More controlled light less glare.

Technical Data Sheet BASF GlareControl Film 65°

BASF GlareControl film combines glare reduction with highest aesthetical appearance in one endless and truly seamless product. The invisible patterns reduce glare in angles above 65° and increase light intensity in lower angular ranges. That leads to improved efficiency and UGR-ratings of your luminaire body, making it ideal for office lighting applications.



Optical performance data refers to typical values; they vary greatly depending on luminaire design. Results shown were measured using a test fixture with Lambertian light source in a goniophotometer.

* CIE117, 4H 8H (20%, 50%, 70%) (580 mm x 580 mm luminous surface, Lambertian-like input light source)
** patent granted

Optical Data

Glarefree luminous flux * (UGR<19)	> 7000 lm
Transmission (380 – 780 nm)	> 90%
Efficiency (in typical luminaire)	> 90%

Material Data

Material	Micro-structured PET film **	
Dimensions	Standard Width	160 mm (customizable)
	Thickness	0.33 – 0.40 mm
	Length	270 running meter/ seamless
Average Linear Thermal Expansion Coefficient Range of 60 to 80 °C ($\mu\text{m}\cdot\text{m}^{-1}\cdot\text{°C}^{-1}$)	Machine Direction	22
	Traverse Direction	16
UV Stability Color change after 0.34 kWh/m ² (@ 340 nm) Irradiated on structured side of product Black Panel Temperature during illumination @60°	Δa	< 0.5
	Δb	< 1.0
	ΔY_i	< 2.0
DIN EN ISO 4892-1 Okt16 DIN EN ISO 4892-3 Okt16		
Bend Radius [mm] aging with 0.34 kWh/m ² @ 340 nm DIN EN ISO 1519 DE	Before aging	< 10
	After aging	< 10
Temperature Range	-40 °C up to +80 °C	
Glow Wire Flammability IEC 60695-2-12	650 °C	

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Product Information

- Rollable, flexible glare control film solution
- Pattern invisible to the eye for highest aesthetics
- Improves UGR of your luminaires
- Highest grade glare control performance - suitable for applications with UGR<19 requirements
- Customizable in length, width and thickness to meet your individual needs
- High quality lamination on glass, PMMA or PC possible

Notes



Application

Structured side facing away from light source



Cutting

Material can be cut to width and length by scissor or knife



Performance

Glare control performance depends on luminaire type

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