

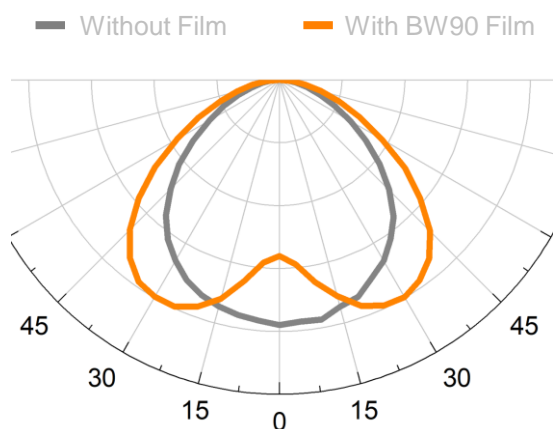
BASF BatWing

Double sided angle bending of luminous intensity.

Technical Data Sheet

BASF BatWing BW90

Design easy and efficient batwing light distributions with BASF BatWing – an endless and highly aesthetical optical film. The invisible pattern creates characteristic double asymmetric light distribution for applications where double-sided illumination along the luminaire axis is needed. BASF BatWing is suitable for indirect or direct flat and homogenous lighting designs.



Optical performance data refers to typical values; they vary greatly depending on luminaire design.

* determined for comparable product

Optical Data

Material Transmission * >90 %
(380 – 780 nm)

Material Data

Material	Micro-structured PET film	
Dimensions	Standard Width	240 mm (customizable)
	Thickness	0.15 – 0.20 mm
	Length	570 running meter/ seamless
Average Linear Thermal Expansion Coefficient *	Machine Direction	22
	Range of 60 to 80 °C ($\mu\text{m}^*\text{m}^{-1}\text{°C}^{-1}$)	16
UV Stability *	Color change after 0.34 kWh/m ² (@ 340 nm) Irradiated on structured side of product	Δa < 0.5
	Black Panel Temperature during illumination @60°C	Δb < 1.0
	DIN EN ISO 4892-1 Okt16 DIN EN ISO 4892-3 Okt16	ΔY_i < 2.0
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 film solution with double asymmetric light control effect
- Indirect or direct flat and homogenous illumination
- Pattern invisible to the eye for highest aesthetics
- Customizable in length, width and thickness
- High quality lamination on glass, PMMA or PC possible

Notes



Application

Structured side facing towards light source



Cutting

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

Contact Information

Industriebüro Göbel GmbH
Wilberhofener Straße 2,
51570 Windeck, Deutschland

Tel.: +49 - 2292 95486 -0
Email: info@beleuchtungsfolien.de
HP: www.beleuchtungsfolien.de

www.basf.com/lightingsolutions



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