

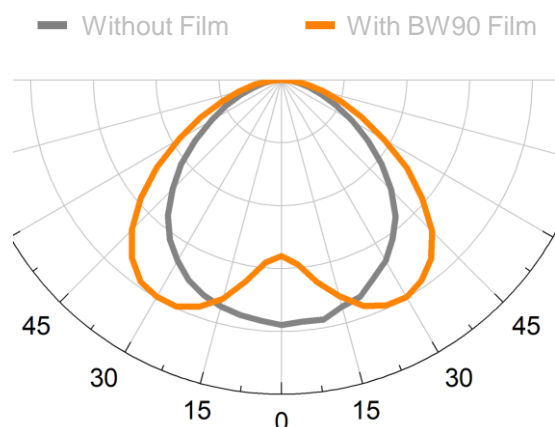
# BASF BatWing

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 <sup>2</sup> (@ 340 nm) Irradiated on structured side of product	$\Delta a$ < 0.5
	Black Panel Temperature during illumination @60°C	$\Delta b$ < 1.0
	DIN EN ISO 4892-1 Okt16 DIN EN ISO 4892-3 Okt16	$\Delta Y_i$ < 2.0
Bend Radius * [mm] aging with 0.34 kWh/m <sup>2</sup> @ 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

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