

BASF WallWasher

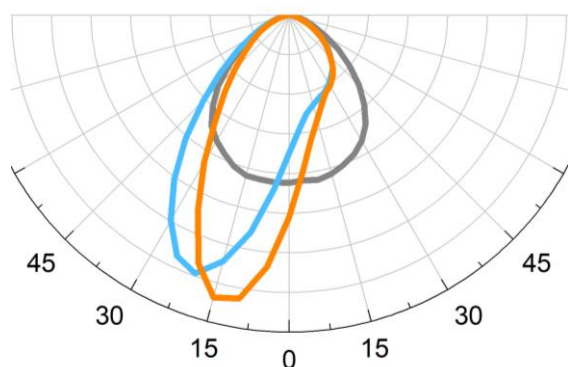
Angle bending of luminous intensity.

Technical Data Sheet

BASF WallWasher Type B

BASF WallWasher combines highest wall washing efficiency and easy handling in a seamless and endless film solution for your individual highlighting needs. BASF WallWasher is used for uniform illumination of walls, paintings, or any kind of panels. You can broaden the application portfolio of your luminaires by exchanging films without any changes on your luminaire body. BASF WallWasher is available in many different versions to match your individual light distribution needs.

- Without Film
- With WW Type A Film
- Shorter focal length, lower bending power
- Longer focal length, higher bending power



Optical performance data refers to typical values; they vary greatly depending on luminaire design. Results shown are examples of a linear luminaire with one row or line of LEDs along the long axis of the luminaire.

* determined for comparable product

** depending on product type

Optical Data

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

Material Data

Material	Micro-structured PET film		
Dimensions	Standard Width	39 – 97 mm ** (optically active)	
	Total Thickness	0.36 – 0.44 mm	
	Length	340 running meter/ seamless	
Average Linear Thermal Expansion Coefficient *	Machine Direction	22	
	Range of 60 to 80 °C ($\mu\text{m}^*\text{m}^{-1}*\text{°C}^{-1}$)	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°C	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 Variants

Product-Code	Focal Length [cm]	Bending Power	Width [cm]
WW-B-14-25	14	25	44
WW-B-16-25	16	25	44
WW-B-17-35	17	35	39
WW-B-19-25	19	25	44
WW-B-22-25	22	25	67
WW-B-25-35	25	35	39
WW-B-28-25	28	25	67
WW-B-32-35	32	35	39
WW-B-48-25	48	25	97
WW-B-48-35	48	35	97

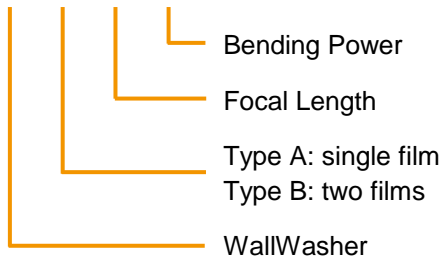
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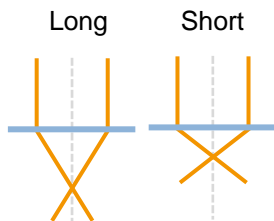
Product Code

WW-B-28-25

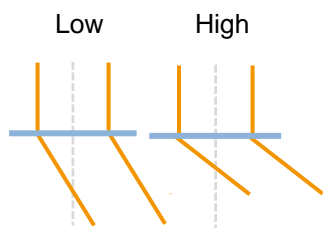


Properties

Focal Length



Bending Power

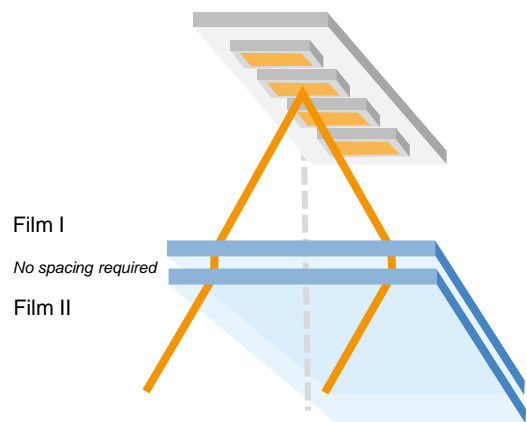


Optical Principle & Usage Guide

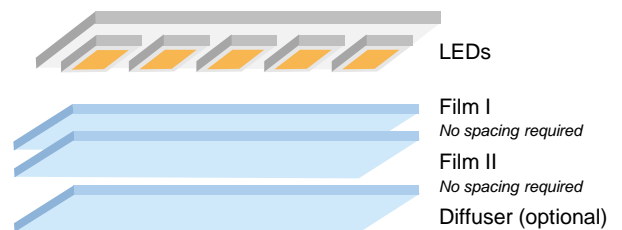
Combination of two thin optical films:

Film I: Lens Film

Film II: Angle Bending Film



Recommended Setup



**Best performance in luminaires with
single row of LED!**

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Product Information

- Rollable, flexible film solution with wall washing effect
- Pattern invisible to the eye for highest aesthetics
- More than 10 versions for individual wall washing light distribution curves
- Two-film solution for more light distribution possibilities
- Customizable in length, width and thickness to meet your individual needs

Notes



Application

Front side indicated by label;
Front side must face light source
Film A closer to light source than
film B



Cutting

Material can be cut to width and
length by scissor or knife
Attention! When cutting to width:
cut equal parts on both sides to
maintain functionality

Contact Information

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Visit our website for:

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- Optimization of light distributions
- Custom product developments

