

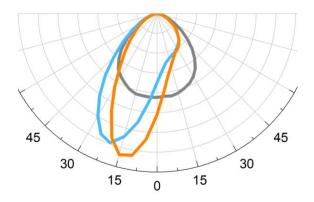
Angle bending of luminous intensity.

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 your luminaire body. WallWasher is available in many different versions to match your individual light distribution needs.



- 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.

Optical Data

Material Transmission *

>90 %

Material Data

IEC 60695 -2-12

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 (µm*m-1*0°C-1)	Traverse Direction	16
UV Stability * Color change after 0.34 kWh/m² (@ 340 nm) Irradiated on structured side of product Black Panel Temperature during illumination @60°C DIN EN ISO 4892-1 Okt16 DIN EN ISO 4892-3 Okt16	Δа	< 0.5
	Δb	< 1.0
	ΔΥί	< 2.0
Bend Radius * [mm] aging with 0.34 kWh/m²	Before aging	< 10
@ 340 nm DIN EN ISO 1519 DE	After aging	< 10
Temperature Range	-40 °C up to +80 °C	
Glow Wire Flammability *	650 °C	

* determined for comparable product ** depending on product type

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our products, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the products for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein are for general information purpose only; they may change without prior information and do not constitute the agreed contractual quality of the products (product specification). It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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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



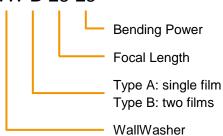
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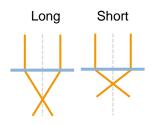
Product Code

WW-B-28-25

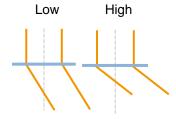


Properties

Focal Length



Bending Power

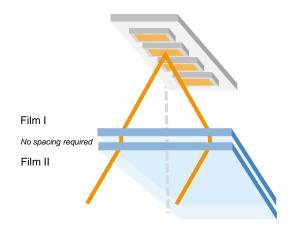


Optical Principle & Usage Guide

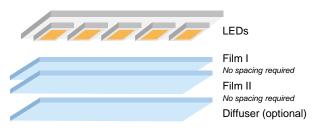
Combination of two thin optical films:

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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