

VisiLED Back Lights

for stereo microscopy



VisiLED Back Lights offer homogenous and shadow free illumination, with a light intensity up to 20,000 cd/m². The slim design, tough metal housing and a well designed heat sink allow a worry-free handling, with the VisiLED Darkfield Backlight TLS-DF version offering the possibility of transmitted darkfield illumination

Features:

- Slim ergonomic design.
- Specially selected LEDs.
- Five segment modes possible: full circle, semi-circle, quarter-circle, dual-segment and four-segment.
- Actively controlled LED temperature.
- Maintenance-free with an LED lifetime of 50,000 hours¹.

Advantages:

- Compatible with different OEM designs.
- Glass surface for scratch resistance.
- Made with SCHOTT Opalika® for perfect homogeneity.

Technical Specifications:

Description	Part No.	Color temperature (K)	Luminance	Active Ø	Outer Ø	Height
Brightfield TLS-BF	400.400	Approx. 5.600	20.000 cd/m ² (luminance in center)	50 mm 1.97"	83,9 mm 3.31"	15 mm 0.59"
Darkfield TLS-DF	400.350	Approx. 5.600		50 mm 1.97"	140 mm 5.51"	22,5 mm 0.89"

Accessories:

Description	Characteristics	Part No.
Adapter	Base Plate Ø 100 mm (3.94")	157.600
	Base Plate Ø 120 mm (4.72")	157.610
	Base Plate Ø 180 mm (7.09")	157.620
	Base Plate Ø 90 mm (3.54")	157.630

¹ max. decline of light output to 70% of origin level

We provide a variety of accessories for our VisiLED Series. For details please refer to our system diagrams or according datasheets.

Distribution in the UK & Ireland



**Characterisation,
Measurement &
Analysis**

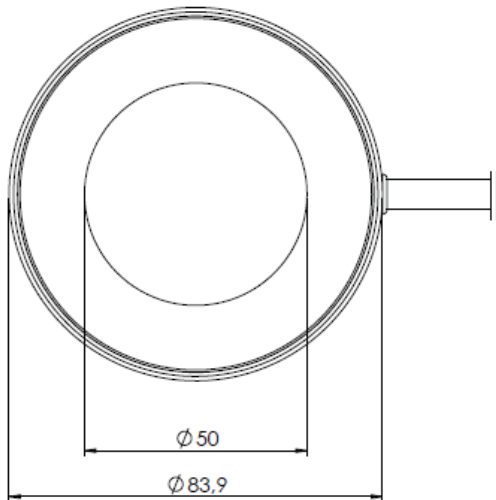
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Dimensions

Brightfield TLS-BF



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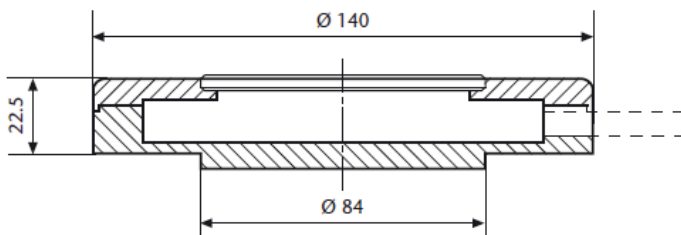
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Darkfield TLS-DF



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