

# VisiLED Ring Lights

for stereo microscopy



VisiLED Ring Lights are available in brightfield, darkfield and UV versions. All offer extremely homogeneous and shadow-free illumination in a robust metal housing, with a well-designed heat sink enabling maximum brightness and a long lifetime. In combination with accessories such as diffusers, polarizer sets and adaptor rings, different illumination modes are possible.

## Features:

- Slim ergonomic design.
- Specially selected LEDs.
- Five segment modes possible: full circle, semi-circle, quarter-circle, dual-segment and four-segment.
- Maintenance-free with an lifetime of 50,000 hours for white LEDs.
- Actively controlled LED temperature.
- Darkfield Ring Light adaptable to various objective diameters and working distances.

## Advantages:

- Extra-fine dimming.
- Unique Slim Ring Light adjustable for various working distances and darkfield.
- Dedicated versions compatible with objective revolvers.
- UV Ring Light allows electronic switching between bright field and UV.

## Technical Specifications:

Description	Part No.	Free working distance	Max. illuminance (at working distance)	Inner Ø	Outer Ø	Height	Color temperature
		(FWD)		(ID)	(OD)	(H)	(K)
Brightfield S40-75	400.110	55–145 mm 2.17"–5.71"	110 klx (85 mm) 3.35"	66 mm 2.60"	92 mm 3.62"	25 mm 0.98"	Approx. 5,600
Brightfield S80-55	400.255	50–135 mm 1.97"–5.32"	200 klx (75 mm) 2.95"	66 mm 2.60"	114 mm 4.49"	25 mm 0.98"	
Brightfield S80-25	400.225	25–50 mm 0.98"–1.97"	360 klx (30 mm) 1.18"	66 mm 2.60"	114 mm 4.49"	25 mm 0.98"	
Brightfield S80-65N	400.265	35–100 mm 1.38"–3.94"	130 klx (55 mm) 2.17"	81 mm 3.19"	130 mm 5.12"	25 mm 0.98"	
Slim Ring Light <sup>1</sup>	400.150	40 – 90 mm 1.57" – 3.54"	65 klx (50 mm) 1.97"	66 mm 2.60"	82 mm 3.23"	35,5 mm 1.40"	
		20 – 40 mm 0.79" – 1.57"	45 klx (25 mm) 0.98"			37,5 mm 1.48"	
Darkfield S40-10D	400.300	5–15 mm 0.20"–0.59"	130 klx (10 mm) 0.39"	66 mm 2.60"	118 mm 4.65"	14 mm 0.55"	
UV Ring Light <sup>2</sup> S80-55 UV	400.200	50–135 mm 1.97"–5.32"	White: 100 klx (75 mm)	66 mm 2.60"	114 mm 4.49"	25 mm 0.98"	
			UV: 160 W/m <sup>2</sup>				
		Characteristics:			Wavelength UV	Central Wavelength UV	IEC62471 Risk Class
		Segment-Ring Light, consists of 4 UV and 4 white LED Segments			340-420 nm	375 nm	3

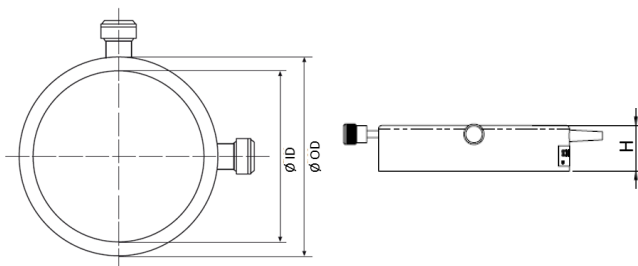
<sup>1</sup>Focus optic rings for both working distance ranges are included

<sup>2</sup>Compatible only with Controller MC 1100. UV protection filter LP435 included

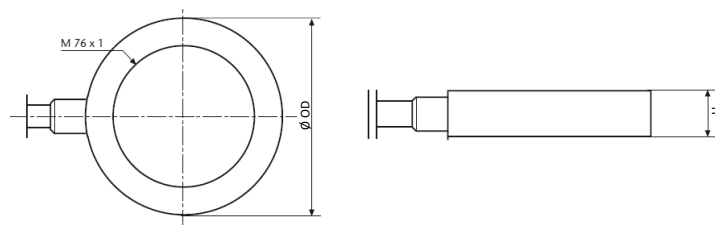
We provide a variety of accessories for our VisiLED Series. For details please refer to our system diagrams or according datasheets.

## Dimensions

Brightfield and UV Ring Light



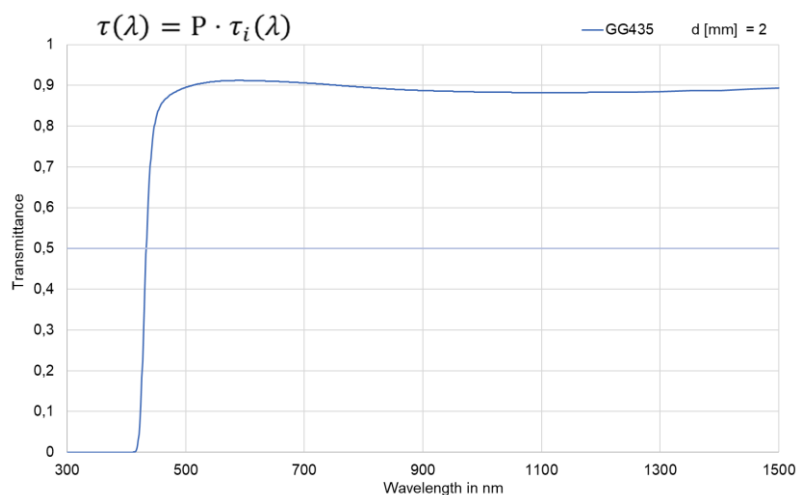
Darkfield Ring Light



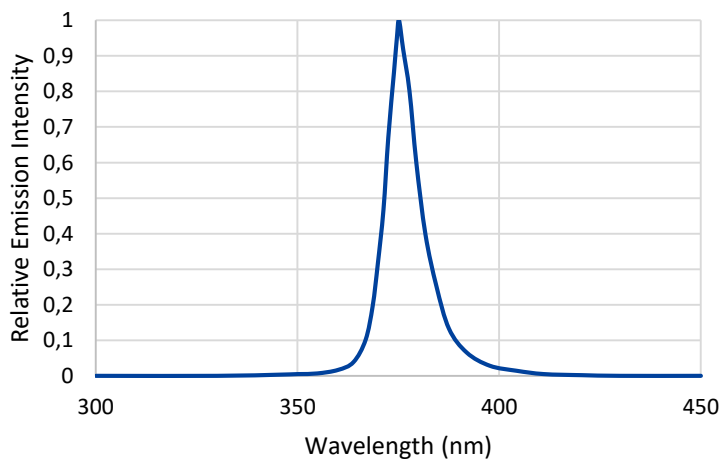
Pictures are provided for illustration purposes only, and may not provide an accurate reflection of the actual product.

## Optical Specifications UV Ring Light S80-55 UV

Optical Transmittance of UV protection filter SCHOTT GG435



Spectrum UV



MicroscopeWorld

info@microscopeworld.com | 800-942-0528

All specifications are subject to change without prior notice. This datasheet or any extracts thereof may only be used in other publications with express permission of SCHOTT. © SCHOTT AG

Lighting and Imaging  
**SCHOTT AG**  
 Hattenbergstrasse 10  
 55122 Mainz  
 Germany  
 Phone: +49 (0) 6131/66-7796  
 Fax: +49 (0) 6131/66-7850  
 info.microscopy@schott.com  
 www.schott.com/microscopy

**SCHOTT**  
 glass made of ideas