

SCHOTT® 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 ¹	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 ² 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 ²				
		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	



¹Focus optic rings for both working distance ranges are included

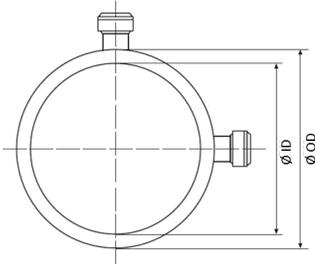
²Compatible only with Controller MC 1100. UV protection filter LP435 included

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

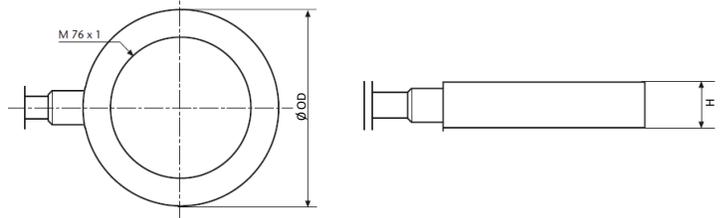


Dimensions

Brightfield and UV Ring Light



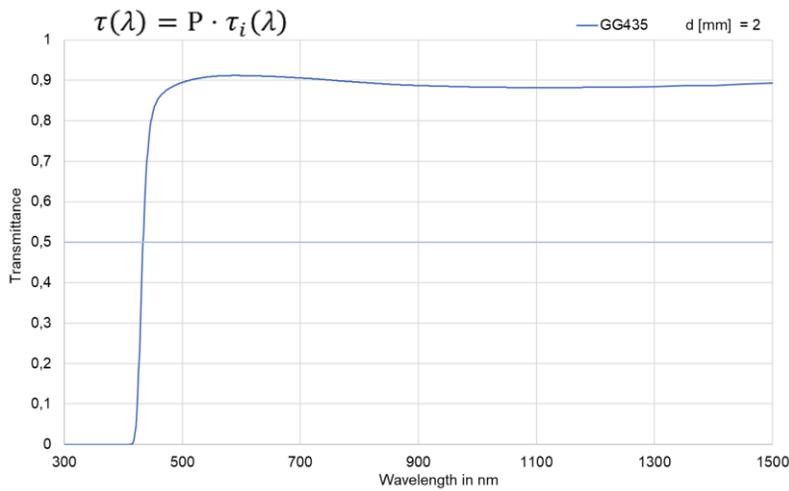
Darkfield Ring Light



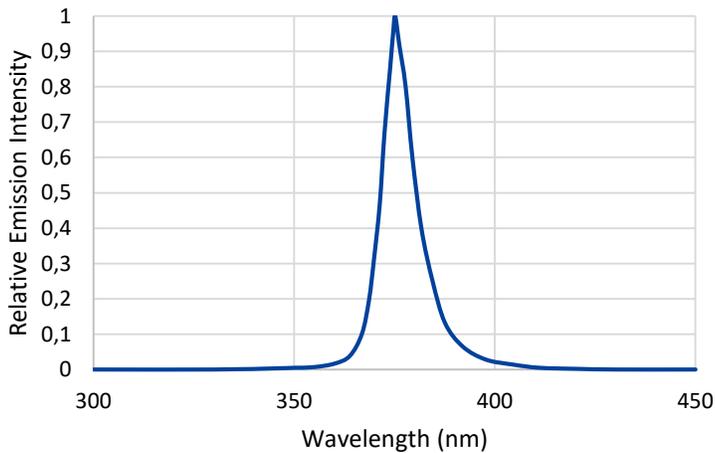
Pictures are provided for illustration purposes only, and may not provide an accurate reflection of the actual product.

Optical Specifications UV Ring Light S80-55 UV

Optical Transmittance of UV protection filter SCHOTT GG435



Spectrum UV



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 North America, Inc.

Lighting and Imaging
SCHOTT North America, Inc.
 122 Charlton Street
 Southbridge, MA 01550
 USA
 Phone: +1 (508) 765-9744
 Fax: +1 (508) 765-1299

lightingimaging@us.schott.com
 www.us.schott.com/lightingimaging

SCHOTT
 glass made of ideas