

# 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<br>2.17"-5.71"    | 110 klx (85 mm)<br>3.35"               | 66 mm<br>2.60"               | 92 mm<br>3.62"             | 25 mm<br>0.98"   | Approx. 5,600     |
| Brightfield S80-55   | 400.255  | 50-135 mm<br>1.97"-5.32"    | 200 klx (75 mm)<br>2.95"               | 66 mm<br>2.60"               | 114 mm<br>4.49"            | 25 mm<br>0.98"   |                   |
| Brightfield S80-25   | 400.225  | 25-50 mm<br>0.98"-1.97"     | 360 klx (30 mm)<br>1.18"               | 66 mm<br>2.60"               | 114 mm<br>4.49"            | 28 mm<br>1.10"   |                   |
|  Brightfield S80-65N-2 | 400.266  | 35-100 mm<br>1.38"-3.94"    | 130 klx (55 mm)<br>2.17"               | 81 mm<br>3.19"               | 125 mm<br>5.12"            | 25 mm<br>0.98"   |                   |
| Slim Ring Light <sup>1</sup>   | 400.150  | 40 - 90 mm<br>1.57" - 3.54" | 65 klx (50 mm)<br>1.97"                | 66 mm<br>2.60"               | 82 mm<br>3.23"             | 35,5 mm<br>1.40" |                   |
|  |          | 20 - 40 mm<br>0.79" - 1.57" | 45 klx (25 mm)<br>0.98"                |                              |                            | 37,5 mm<br>1.48" |                   |
| Darkfield S40-10D  | 400.300  | 5-15 mm<br>0.20"-0.59"      | 130 klx (10 mm)<br>0.39"               | 66 mm<br>2.60"               | 118 mm<br>4.65"            | 14 mm<br>0.55"   |                   |
| UV Ring Light <sup>2</sup> S80-55 UV   | 400.200  | 50-135 mm<br>1.97"-5.32"    | White:<br>100 klx (75 mm)              | 66 mm<br>2.60"               | 114 mm<br>4.49"            | 25 mm<br>0.98"   |                   |
|  |          |                             | UV:<br>160 W/m <sup>2</sup>            |                              |                            |                  |                   |
|  |          | <b>Characteristics:</b>     | <b>Wavelength UV</b>                   | <b>Central Wavelength UV</b> | <b>IEC62471 Risk Class</b> |                  |                   |
| 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

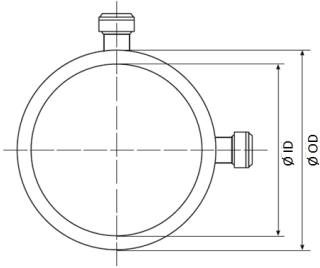
<sup>2</sup>Compatible only with Controller MC 1100. UV protection filter LP435 included

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

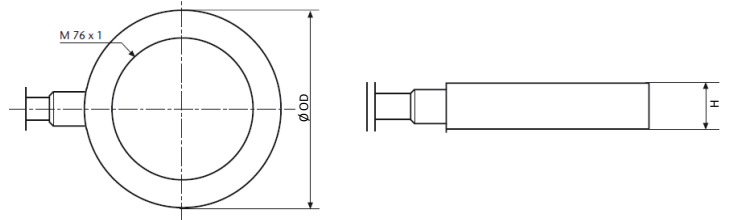


## Dimensions

Brightfield and UV Ring Light



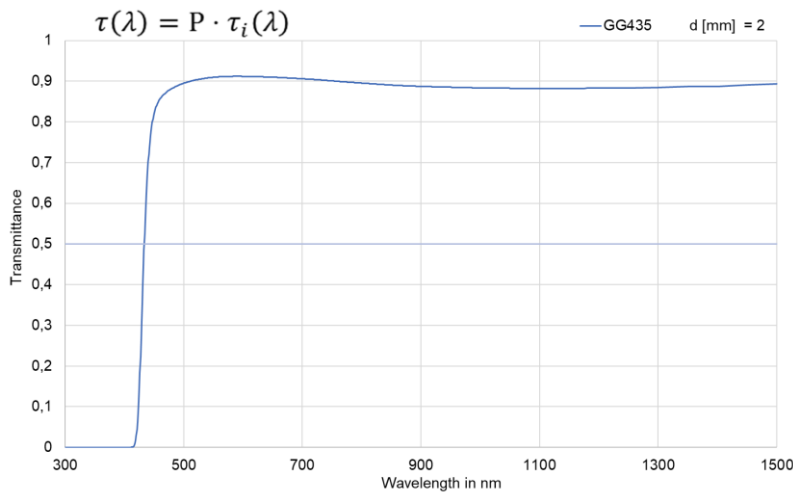
Darkfield Ring Light



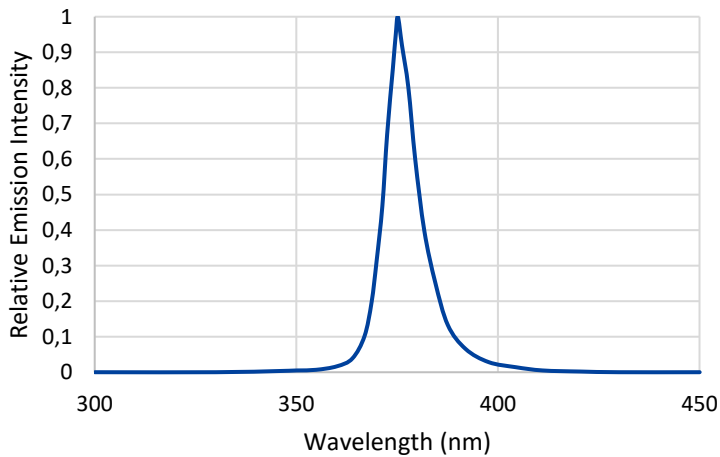
Pictures are provided for illustration purposes only and may not provide an accurate reflection of the actual product.

## Optical Specifications UV Ring Light S80-55 UV

Optical Transmittance of UV protection filter SCHOTT GG435



Spectrum UV



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