vicolux® R-CLR-38x20 series

smart light – ring light
Compact, high-performance, IP67

Product Characteristics:

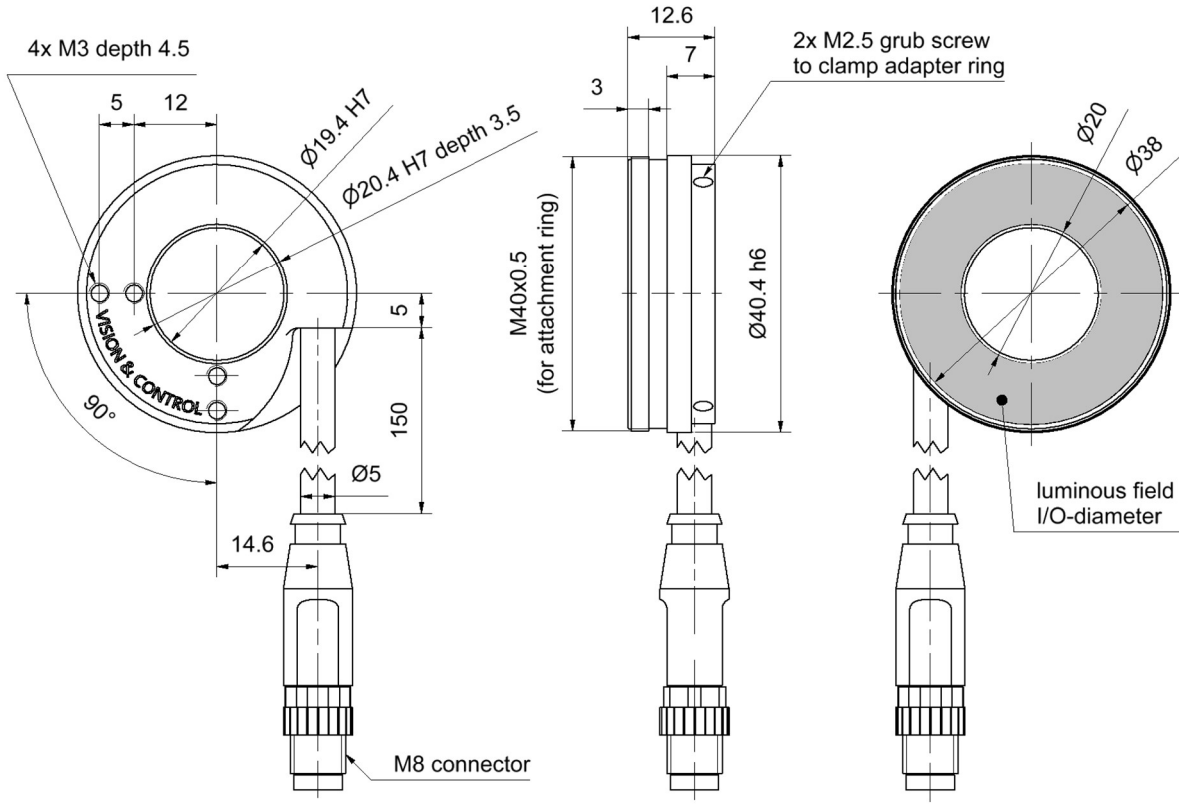
- Compact design
- Directed light field, flashable
- Thanks to the use of power LEDs - light output up to 4,000 W/m² in flash mode possible
- Flash mode via digital lighting controller of the DLC3005 series
- Maximum service life thanks to intelligent temperature management of the smart light technology:
  - Integrated digital temperature sensor
  - Integrated flash memory with stored lighting parameters and limiting values for continuous and flash operation
- Housing made of black anodised aluminium
- Combinable with further lights of the R-CLR series in different wavelengths to a round area light with camera view
- Degree of Protection: IP67
- Multiple mounting options
- Connection cable with M8 connector
- Comprehensive optical accessories

Technical Information:

Parameter	R-CLR-38x20 series				
Colour temperature / Wavelength	White 5700 K	Blue 465 nm	Green 523 nm	Red 645 nm	IR 860 nm
Light-emitting surface	outer diameter: 38 mm / inner diameter: 20 mm ring width: 9 mm				
Beam angle	120 °	30 °	30 °	30 °	30 °
Housing dimensions	Outer diameter: 40.4 mm / Inner diameter: 19.4 mm High: 12.6 mm				
Illuminance (measured in optical axis with maximum parameters at a working distance of 50 mm / white: 20 mm)					
Continuous operation	160 W/m²	120 W/m²	53 W/m²	210 W/m²	380 W/m²
Flash operation	1,050 W/m²	780 W/m²	400 W/m²	540 W/m²	4,000 W/m²
Power consumption P_{Nom} *	3.1 W	2.6 W	2.5 W	3.4 W	4 W
Ambient temperature	0 °C to 55 °C				
Overheat protection T_{MAX}	65 °C (only in combination with vicolux® smart light lighting controllers)				
Safety class	Class III, operation on safety extra low voltage (SELV)				
Risk group (DIN EN 62471)	exempt group	1	exempt group	exempt group	1
Order number	1-33-023	1-33-022	1-33-021	1-33-020	1-33-024

* The nominal values refer to an ambient temperature of 25 °C and free convection.

Technical Drawing:



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