



## Press release

### High flexibility in a small space with the new LUMIMAX® LR45 ring light series



New LUMIMAX® LR45 ring lights in the light colours red and white

**Suhl, April 2021. With the LR45 series, another high-performance high-power ring light from LUMIMAX® is now available. The lights distinguish themselves in particular by their extremely compact design and can be used even in challenging industrial environments.**

With a free inner diameter of 45 mm, an outer diameter of 100 mm, a design height of 25 mm and a weight of just 250 g, the LR45 is the most compact high-power ring light of the LUMIMAX® LR series to date and one of the most compact on the Machine Vision market. The three-dimensional cable outlet on the back enables highly flexible electrical integration of the light. Rear mounting threads and versatile accessories allow uncomplicated mechanical connection to various cameras and sensors. With the aid of separately available lens adapters, the light can, for example, be screwed directly to the lens or protective tube of the camera. This makes the LR45 the ideal choice for use in confined spaces as well as in motion handling and robot vision systems – even under demanding industrial conditions thanks to IP64 protection.

Despite its compact exterior, high-performance integrated controller technology for either continuous, switched or flash operation mode is hidden inside the LR45. In addition, the light has high-speed trigger inputs and the option of brightness control.

The 24 built-in high-power LEDs are available in the light colours red, white, blue, green or infrared. The irradiance characteristics of the light can be adjusted to the application with the aid of ancillary lenses. The lenses are mounted in lens arrays, enabling quick and uncomplicated lens changes – even with mixed mounting of lenses with different beam angles. In addition, the pre-mounted transparent protective lens (ALK) can be replaced by a diffuse lens (ALD or ALHD), a polarised (POL) lens or a Fresnel lens (ALF) for small working distances of 100 mm. There is a filter thread (M46 x 0.75) on the lens side for the additional mounting of protective lenses and filters. Visually too, the LR45 therefore offers maximum flexibility for a wide range of machine vision applications.

### **About iiM AG**

iiM AG measurement + engineering is the developer, manufacturer and distributor of high-quality, high-performance products for Machine Vision. In Suhl, we develop and manufacture high-performance and highly functional LED lights under the LUMIMAX® brand for Machine Vision applications in a very wide range of industrial areas, such as for the automobile, semiconductor, pharma, food, drinks and tobacco industries. A second division develops and markets special measuring technology and peripherals for the cable and wire industry to record geometric features, particularly on insulating covers and cable sheathing, in accordance with standards. A team of over 60 engineers, technicians and skilled workers assists our customers as a partner when realizing their challenging tasks. In order to guarantee a high standard of our processes as well as continuous improvement, we annually undergo an inspection of our Quality Management System according to ISO 9001:2015 and are certified by DEKRA Certification GmbH.