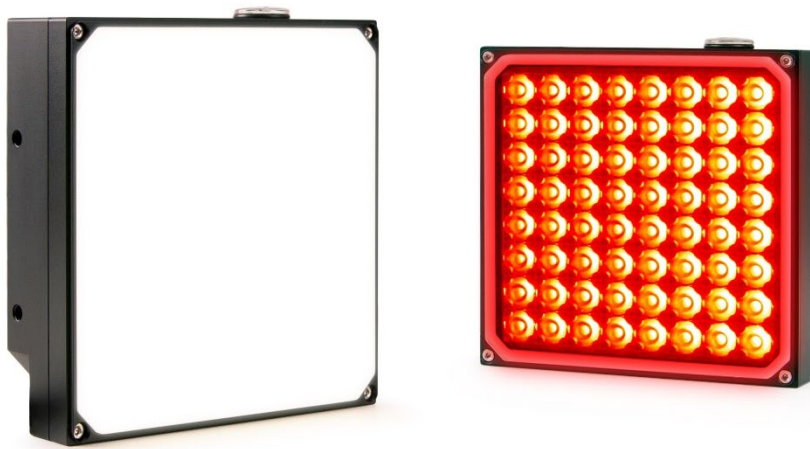




Press release

High-performance made by LUMIMAX® – New modular Area Lights and Area Flood Lights for most diverse Machine Vision applications



New LUMIMAX® LQHP80 Area Light (left) and Area Flood Light (right)

Suhl, Germany, February 2021. LQHP80 is the name of the new and ultraflexible high-performance lighting series by LUMIMAX®. The high power lighting series with 64 high-power-LEDs complements the product range of both Area Lights and Area Flood Lights. Its modular design as well as a wide range of accessories allow the adaption of the lighting to most diverse applications.

- With a clear screen (ALK) as a mounted standard, the High-Power Lighting is ideal for reflected light applications. In this configuration an irradiance of more than 5.0 millions lx (16.000 W/m²) is realised.
- The radiation angle can be adapted to the size and distance of the test object by diverse lens kit options. The exchange of the lenses is easy and quick – as the lenses are already arranged on a pre-assembled lens array.
- In order to reach a better light scattering, such as minimising reflections, the clear screen frame can be easily exchanged by a slightly diffuse screen (ALD). Alternately the diffuse mounting frame may

be installed on top of the clear screen – the larger distance between diffusor and the LEDs increases the light dispersion.

- Visit Product Configurator – [Area Flood Lights](#)
- The highly diffuse screen frame option (DL) converts the LQHP80 to a homogeneous backlight with a luminance of up to 4.0 millions cd/m².
- Visit Product Configurator – [Area Lights](#)
- For the reduction of distracting reflections a polarisation filter can be additionally mounted on each of the above mentioned exchange frame options.



Example arrangement of the new LUMIMAX® LQHP80 series

The compact housing design of the LQHP80 (95 mm x 95 mm x 21 mm with ALK-mounting frame) corresponds to the IP64 protection class and therefore withstand demanding industrial environments. Thanks to its minimal construction height as well as the narrow mechanical frame, the 80 mm x 80 mm light area itself easily fits into even very limited installation surroundings. Mounting threads on the rear and all sides of the light frame, a highly flexible 3D-cable outlet and the LUMIMAX® M16-connection standard ensure a simplified system integration. Inside the new lighting series a high performance controller technology allows for either permanent, switch or flash operation modes. With the integrated flash controller technology an irradiance of more than 5.0 millions lx (16.000 W/m² at 100 mm work distance, illumination colour white) can be achieved.

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.