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DOEs for LiDAR and 3D Imaging

Fan Angles up to 80 Degrees

With a wide range of beam splitting and beam shaping diffractive optical elements (DOEs), Holo/OR works with companies that use structured light for LiDAR, 3D imaging, and projection applications. At fan angles of up to 80 degrees (at 850 nm), the emitted light covers large areas.

The product range available at LASER COMPONENTS includes optics for wavelengths between 266 nm and 2,200 nm. Different substrate materials are available. High-quality products made of fused-silica quartz glass are used for high-power applications with laser powers of several kilowatts. For lower powers, the manufacturer also offers low-cost plastic versions. In addition, the customer may choose from numerous different beam shapes. Special requirements such as particularly high beam homogeneity or additional AR coatings are taken into account during development and production.

Structured light is required above all for the three-dimensional detection and measurement of large polished or painted objects.

More Information

www.lasercomponents.com/uk/product/diffractive-optical-elements-for-beam-shaping/

Trade Shows

Sensors Expo & Conference, June 25 – 27, 2019, San Jose, CA, USA, **Booth 419**
LASER World of PHOTONICS, June 24 – 27, 2019, Munich, Germany, **Booth B3.303**
SPIE Optics+Photonics, August 13 – 15, 2019, San Diego, CA, USA, **Booth 425**
ECOC, September 22 – 26, 2019, Dublin, Ireland, **Booth 337**
Photonex Europe, October 09 – 10, 2019, Ricoh Arena, Coventry, UK, **Booth D15**

The Company

LASER COMPONENTS specialises in the development, manufacture, and sale of components and services in the laser and optoelectronics industry. At LASER COMPONENTS, we have been serving customers since 1982 with sales branches in five different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the United States. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 230 employees worldwide.

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