



Features

- Compact size (11mm dia. x 10mm long)
- Suitable for use with LDM-3, LDM-4 & LDM-5 laser diode modules
- Excellent quality lines focusable to line widths <1mm.

Laserex Uniform Intensity laser line generators are suitable for applications requiring a very high quality laser line.

All our Uniform Intensity line generators are suitable for use with our LDM-3, LDM-4 and LDM-5 series laser diode modules. Uniform Intensity line generators produce bright, crisp Non-Gaussian lines. This results in a line being of uniform brightness across its entire length. Consequently, this provides a significant advantage over using standard line generators with Gaussian lines.

The high quality of Laserex's range of Uniform Intensity line generators makes them ideal for numerous industrial and OEM applications e.g. positioning, alignment, measurement, inspection and detection.

Specifications:

The line length at a distance 'D' from the laser module is calculated using the line length factor 'LLF', as follows:

$$\text{Line length} = D \times \text{LLF}$$

<u>Line Generators</u>		<u>LLF</u>
ULG 5	5 degree fan angle	0.0873
ULG 10	10 degree fan angle	0.1750
ULG 15	15 degree fan angle	0.2633
ULG 30	30 degree fan angle	0.5359
ULG 45	45 degree fan angle	0.8284
ULG 60	60 degree fan angle	1.1547
ULG 75	75 degree fan angle	1.5347
ULG 90	90 degree fan angle	2.0000
ULG 100	100degree fan angle	2.3835

This product is registered with the FDA in accordance with 21 CFR 1040.10(a)(3)(I) and is compliant with European, and Australia/New Zealand laser safety standards 73/23/EEC - 98/37/EG, 89/336/EEC, EN 50081-1, EN-31252, EN-31252, EN 55022, EN 60825-1 and AS/NZS 2211:1997. The complete laser product manufacturer must supply adequate instructions for installation and servicing of this product. This is not a removable laser system. This product is designed solely as a component in an electronic product and therefore does not comply with the requirements of 21 CFR 1040.10 and 1040.11 for complete laser products. Avoid direct eye exposure to the beam.

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