

LDM-5AD

Adjustable Low Divergence Module



Features

- Variable or fixed focus with line generator attached
- Excellent beam collimation utilising long focal length glass lens
- Circularised Beam
- Compact size (11mm dia. x 43mm long)
- Slow start, reverse polarity and over voltage protection

The LDM-5AD Low Divergence Module uses a long focal length lens to produce a high quality, uniform circularised beam. The laser source has very low beam divergence and is available in variable or fixed focus options. The unit provides a well collimated laser light source, and includes a range of optical options to suit most projects. This module offers a versatile solution which is ideally suited to long range industrial applications.

The LDM-5AD Low Divergence Module includes slow start, reverse polarity and over voltage protection, and is available with a pulsing option if required. Power is connected to the module using red (+ve) and blue (-ve) flying leads. The red (+ve) lead is also connected to the modules case.

Specifications:

Available Wavelengths	635, 650, 670, 780, 808, 830 & 850nm
Available Powers	0.4 - 50mW
Beam Size at aperture	4mm circularised beam
Variable Focus	From 30mm to collimation
Divergence (collimated beam)	< 0.3mrad
Operating voltage	3, 3.3, 5, 6 V DC
Operating current	30 - 50mA (Depending on laser power)

Specify part numbers as follows: **LDM-5AD-650-3-L90**

(i.e. LDM-5AD series, pulsed option, wavelength = 650nm, output power = 3mw, 90 deg. line generator)

Options

100kHz Pulsed option	P
Factory Set Focus	F300 (Focussed at distance of 300mm)
Heat Protective Glass	HG
Cross Hair	CH
Line Generator	L, ML, ULG (Contact LasereX for fan angles available)

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.

Distribution in the UK & Ireland



**Characterisation,
Measurement &
Analysis**

Lambda Photometrics Limited
Lambda House Batford Mill
Harpenden Herts AL5 5BZ
United Kingdom

E: info@lambdaphoto.co.uk
W: www.lambdaphoto.co.uk
T: +44 (0)1582 764334
F: +44 (0)1582 712084