



Interchangeable Cross Optic

9° Fan Angle

1. Product Overview.

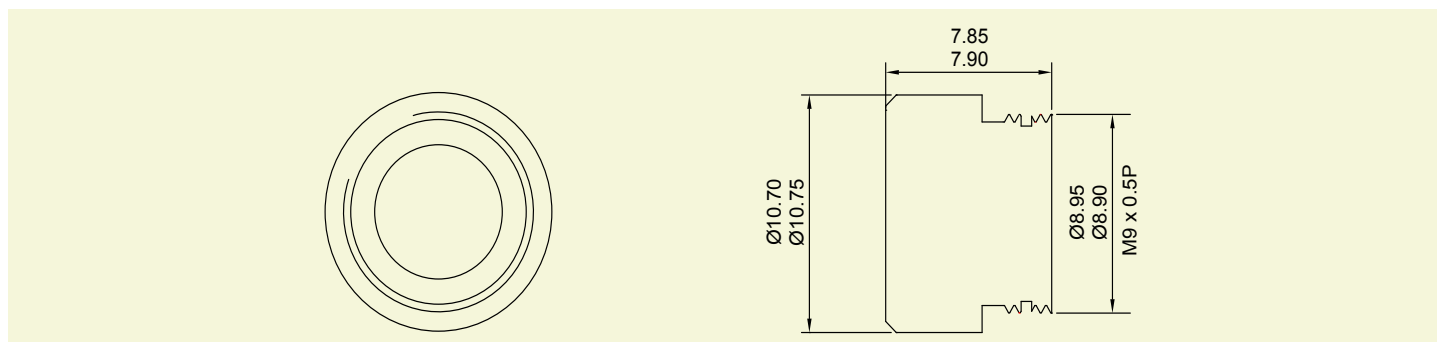
The Interchangeable line lens consists of a Diffractive Optical Element (DOE) lens fitted with in an 11mm diameter lens holder with an M9 thread section for mounting. The lens produces a cross with typical full fan angle of 9 degree with a 5mm by 1.5 mm input beam. The intensity distribution is gaussian in the width and homogeneous in the line. The homogeneous line produces a high uniformity line at shorter working distances, however due to the effects of divergence the uniformity levels will decrease over longer working distance. An M9 threaded section allows the lens assembly to simply screw into any laser module with a M9 thread for lens assembly and a suitable focal length collimator.

2. Specification.

Lens Material	Acrylic
Lens Type	DOE
Exit Aperture	5mm
A/R Coated	No
Typical Input Beam Size	5 by 1.5mm
Typical Fan Angle	9°
Trpical Transmission Loss (650nm)	≤25%

3. Diagram.

Interchangeable Cross Lens (9° Fan Angle)



9090-02-039 Rev 1



ISO9001 Certified

Please Note: Global Laser reserve the right to change descriptions and specifications without notice.

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