

## 8° Line Optic Compatible with Beta CW and Beta TX Lasers

#### **Product Overview**

The 8° line lens from Global Laser is designed to be a simple interchangeable optic that can be screwed on and off the front of any of our Beta CW or Beta TX laser modules (see table below). This allows the user to quickly and efficiently change the dot output of these laser modules to a 8° line. This is suitable for a wide range of applications including alignment, positioning and machine vision.

The lens produces a line with typical full fan angle of ° and has an input beam of TBC. The intensity distribution is gaussian.

| Global Laser<br>Part Number | RS Part Number | Description   |
|-----------------------------|----------------|---|
| ТВС                         | 1088-11-000    | Beta CW Laser 635nm 0.36mW Circular Spot            |
| RS111-346                   | 1068-40-000    | Beta CW Laser 635nm 1.5mW Elliptical Spot           |
| твс                         | 1088-12-000    | Beta CW Laser 635nm 15mW Elliptical Spot            |
| ТВС                         | 1068-55-000    | Beta CW Laser 650nm 20mW Elliptical Spot            |
| RS194-010                   | 1068-42-000    | Beta CW Laser 670nm 1mW Circular Spot               |
| RS194-026                   | 1068-43-000    | Beta CW Laser 670nm 3mW Elliptical Spot             |
| RS564-504                   | 1060-41-000    | Beta TX Modulatable Laser 670nm 1mW Circular Spot   |
| RS194-004                   | 1060-42-000    | Beta TX Modulatable Laser 670nm 3mW Elliptical Spot |

### Specification

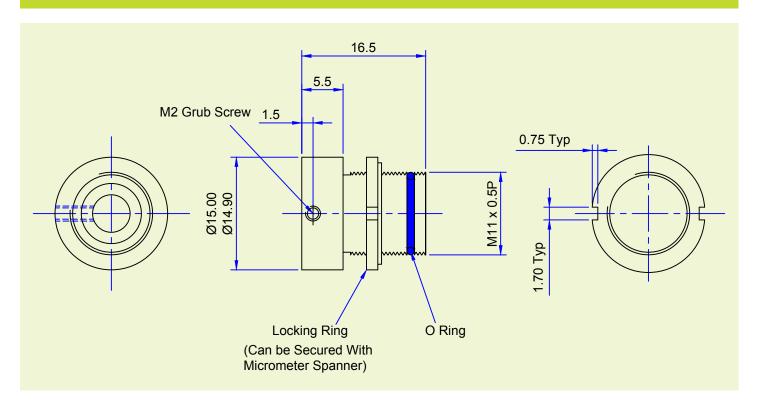
|                                   | Optical Information      |
|-----------------------------------|--------------------------|
| Lens Material                     | Glass                    |
| Lens Type                         | Plano Convex Cylindrical |
| Exit Aperture                     | 5.5mm                    |
| A/R Coated                        | Yes (MgF2)               |
| Typical Input Beam Size           | 5 by 1.5mm               |
| Typical Fan Angle                 | 8°                       |
| Typical Transmission Loss (650nm) | ≤5%                      |



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### **Mechanical Dimensions**

#### Interchangeable Line Lens (8° Fan Angle)



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



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