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## 25° Diffusing Angle, 5mm Sq., Wide Angle Diffuser



Stock **#23-876** **5 In Stock**

C\$536<sup>.20</sup>

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Volume Pricing	
Qty 1-10	C\$536.20 each
Qty 11-25	C\$481.60 each
Qty 26-49	C\$455.00 each
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### Product Downloads

### General

Flat Top Diffuser

Type:

Note:  
Recommended  $M^2 > 10$  and beam size  $> 2.5\text{mm}$   
FW $\epsilon^2$  for best homogeneity and steep slopes

### Physical & Mechanical Properties

4.5 x 4.5      Clear Aperture CA (mm):

5.00 x 5.00 ±0.1	<b>Dimensions (mm):</b>
0.50 ±0.05	<b>Thickness (mm):</b>
<b>Optical Properties</b>	
25	<b>Diffusing Angle (°):</b>
Uncoated	<b>Coating:</b>
<a href="#">Fused Silica</a>	<b>Substrate:</b> <input type="checkbox"/>
90	<b>Transmission (%):</b>
1064	<b>Design Wavelength DWL (nm):</b>
<b>Regulatory Compliance</b>	
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## Product Details

- 25 and 125° Diffusing Angles Available
- 90% Transmission Efficiency
- Eye-Safe ROE, No Zero-Order and No Hot Spot

Wide Angle Diffusers are used to create diffused top hat beam profiles in one dimension and are available in angles of 25 or 125°. These diffusers can be easily paired for diffusion in two dimensions for square or rectangular output profiles with a steep edge slope and high homogeneity. These diffusers have increased transmission efficiency and uniformity versus standard ground glass diffusers. Wide Angle Diffusers are an eye-safe refractive optical element (ROE) with no zero-order and no hot spots. These diffusers are ideal for integration into LIDAR, heads up displays (HUDs), time of flight, 3D sensing, and machine vision applications.

**Note:** These are designed for use with collimated light with a minimum beam size of 2.5mm FWe<sup>2</sup>. Use with diverging beams or beam arrays will change output profiles.