

125° Diffusing Angle, 5mm Sq., Wide Angle Diffuser



Wide Angle Diffusers

Stock **#23-877** **4 In Stock**

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1

+

₹23,900

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Volume Pricing	
Qty 1-10	₹23,900 each
Qty 11-25	₹21,487 each
Qty 26-49	₹20,319 each
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SPECIFICATIONS

General

Flat Top Diffuser

Type:

Note:

Recommended $M^2 > 10$ and beam size $> 2.5\text{mm}$
 FW/e^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	Dimensions (mm):
0.50 ±0.05	Thickness (mm):

Optical Properties

125	Diffusing Angle (°):
Uncoated	Coating:
S-TIH53	Substrate: ☐
90	Transmission (%):
1064	Design Wavelength DWL (nm):

Regulatory Compliance

View	Certificate of Conformance:
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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 FW/e^2 . Use with diverging beams or beam arrays will change output profiles.