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



Wide Angle Diffusers

Stock **#23-877** [CONTACT US](#)

€383.⁰⁰

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Volume Pricing	
Qty 1-10	€383,00 each
Qty 11-25	€344,00 each
Qty 26-49	€325,00 each
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Product Downloads

General

Flat Top Diffuser

Type:

Note:
Recommended $M^2 > 10$ and beam size $> 2.5\text{mm}$
 FWe^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:**

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 FWHM. Use with diverging beams or beam arrays will change output profiles.