

[See all 2 Products in Family](#)

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



Wide Angle Diffusers

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

- 1 + MRP ₹38,641

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-10	₹38,641 each
Qty 11-25	₹34,706 each
Qty 26-49	₹32,790 each
Need More?	Request Quote

Product Downloads

General

Flat Top Diffuser

Type:

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

Note:

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:**

Germany **Country of Origin:**

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

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.

;