

## 50 x 50mm 120 Grit Ground Glass Diffuser



Stock #83-382 **20+ In Stock**

⊖ 1 ⊕ £22.<sup>80</sup>

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Volume Pricing	
Qty 1-10	£22.80 each
Qty 11+	£19.80 each
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ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Ground Glass Diffuser **Type:**  
Sandblasted on first surface **Note:**

### Physical & Mechanical Properties

**Dimensional Tolerance (mm):**  
±0.25

50.00 x 50.00	<b>Dimensions (mm):</b>
Cut	<b>Edges:</b>
120	<b>Grit:</b> <input type="checkbox"/>
1.60	<b>Thickness (mm):</b>
50.00	<b>Width (mm):</b>
50.00	<b>Length (mm):</b>

## Optical Properties

Uncoated	<b>Coating:</b>
Float Glass	<b>Substrate:</b> <input type="checkbox"/>
350 - 2000	<b>Wavelength Range (nm):</b>

## Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 247:</b>

## Product Details

- Available in Sizes Ranging from 5mm Diameter to 250mm Square
- Low Scatter Loss
- Evenly Ground Surface for Even Diffusion
- [Fused Silica Substrates](#) Available

Ground Glass Diffusers are comprised of high tolerance, quality ground glass making them ideal for a variety of industrial applications. The float glass substrate has excellent visible transmission and is ideal for general diffusing applications. A 120-grit, 220-grit or 600-grit (as noted) sandblast is used to create a diffuse surface on the glass. Ground Glass Diffusers have even diffusion across the entire surface from undergoing two orthogonal passes during this sandblast process. The scattering is a compromise of low scatter loss and medium diffusion. Typical applications include use in screens, illuminator diffusion, and targets.

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## Technical Information



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