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12.5mm Diameter Opal Diffusing Glass



Stock **#46-105** **20+ In Stock**

⊖ 1 ⊕ £95²⁰

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Volume Pricing

Qty 1-24	£95.20 each
Qty 25+	£76.00 each
Need More?	Request Quote

i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Opal Diffuser **Type:**

Physical & Mechanical Properties

12.50 ±0.25 **Diameter (mm):**

Ground **Edges:**

2.50 ±0.2 **Thickness (mm):**

Optical Properties

Opal **Coating:**

Coating Specification:
Milky White 'Opal', 0.45 +0.35/-0.2mm in Thickness

Opal Glass **Substrate:** □

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 250:
[Compliant](#)

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

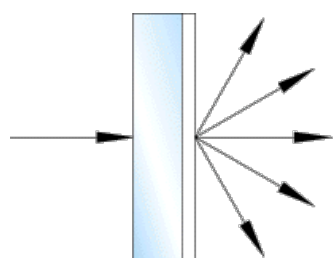
Product Details

- Features a Milky White 'Opal' Coating
- Even Diffusion Helps Create a Near Lambertian Source
- More Diffusion than a [Standard Ground Glass Diffuser](#)

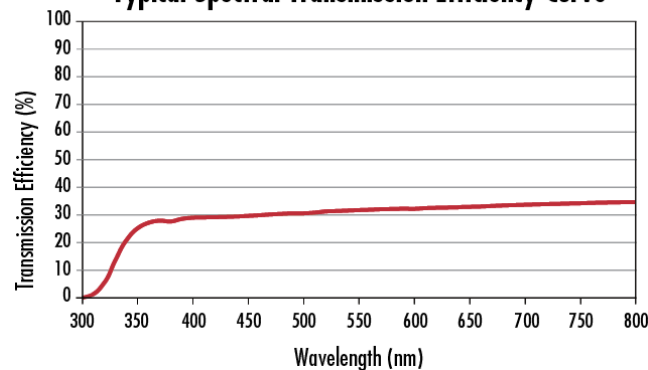
Opal Diffusing Glass is similar to [ground glass](#), but with one surface flashed with a milky white "opal" coating to diffuse light evenly. It can be used to achieve a near Lambertian distribution. The level of diffusion in opal glass causes a large amount of scattering loss. Opal Diffusing Glass features more diffusion than a [Standard Ground Glass Diffuser](#). Due to the manufacturing process of the opal coating, the transmission may vary from one production to the next.

Note: Opal Glass material has been discontinued by the manufacturer and is available in limited quantities. Please consider [White Diffusing Glass](#) as an alternative. [Contact us](#) for more information.

Technical Information



Typical Spectral Transmission Efficiency Curve



Compatible Mounts