

# 50 x 50mm UV Fused Silica Ground Glass Optical Diffuser



Stock **#49-159** **2 In Stock**

-

1

+

C\$161<sup>.00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | C\$161.00 each                |
| Qty 11-49      | C\$127.40 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:

Ground Glass Diffuser

Physical & Mechanical Properties

Dimensions (mm):

50.00 x 50.00

Grit:

220

Thickness (mm):

1.60

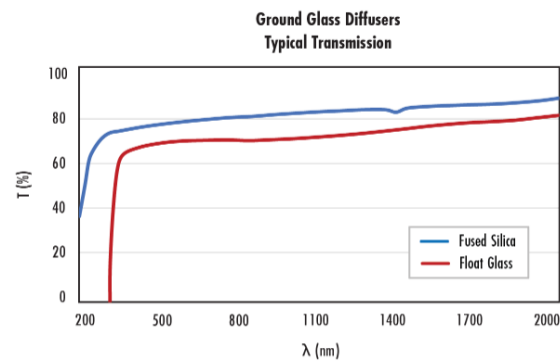
|                             |                                     |
|-----------------------------|-------------------------------------|
| 50.00                       | Width (mm):                         |
| 50.00                       | Length (mm):                        |
| Optical Properties          |                                     |
| Fused Silica (Corning 7980) | Substrate: <input type="checkbox"/> |
| 200 - 2200                  | Wavelength Range (nm):              |
| Regulatory Compliance       |                                     |
| Compliant                   | RoHS 2015:                          |
| Compliant                   | Reach 219:                          |
| View                        | Certificate of Conformance:         |

## Product Details

- Even, Diffuse Surface
- Ideal for Applications Utilizing UV Wavelengths
- Low Scatter Loss
- [Float Glass Substrates](#) Also Available

UV Fused Silica Ground Glass Diffusers are comprised of high tolerance, quality ground glass, making them ideal for a variety of industrial applications. A 220-grit sandblast is used to create a diffuse surface on the UV fused silica substrate of these optical diffusers. Undergoing two orthogonal passes during this sandblast process yields an even diffusion across the surface. The scattering is a compromise of low scatter loss and medium diffusion. UV Fused Silica Ground Glass Diffusers are typically applied for use in screens, illuminator diffusion, and targets.

## Technical Information



## Custom

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](#).

## Compatible Mounts