

## 2° Diffusing Angle 25mm Dia., Fused Silica Holographic Diffuser



UV Fused Silica Holographic Diffusers

Stock **#35-693** **4 In Stock**

-

1

+

£399<sup>20</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | £399.20 each                  |
| Need More?     | <a href="#">Request Quote</a> |

 Prices shown are exclusive of VAT/local taxes

Product Downloads

| General                          |                         |
|----------------------------------|-------------------------|
| Holographic Diffuser             | Type:                   |
| Physical & Mechanical Properties |                         |
| 21.6 ±0.1                        | Clear Aperture CA (mm): |
| 25.00 ±0.1                       | Diameter (mm):          |
|                                  | Construction:           |

|                                                                                       |                             |
|---------------------------------------------------------------------------------------|-----------------------------|
| Mounted                                                                               |                             |
| Optical Properties                                                                    |                             |
| ±1                                                                                    | Angle Tolerance (°):        |
| 2 (FWHM)                                                                              | Diffusing Angle (°):        |
| <div>Substrate: <input type="checkbox"/></div> <div>Fused Silica (Corning 7980)</div> |                             |
| Typical: 90                                                                           | Transmission (%):           |
| 400 - 700                                                                             | Wavelength Range (nm):      |
| Threading & Mounting                                                                  |                             |
| 5.00 +0.00/-0.35                                                                      | Mount Thickness (mm):       |
| Environmental & Durability Factors                                                    |                             |
| -40 to +170                                                                           | Operating Temperature (°C): |
| Regulatory Compliance                                                                 |                             |
| Compliant                                                                             | RoHS 2015:                  |
| View                                                                                  | Certificate of Conformance: |
| Compliant                                                                             | Reach 247:                  |

## Product Details

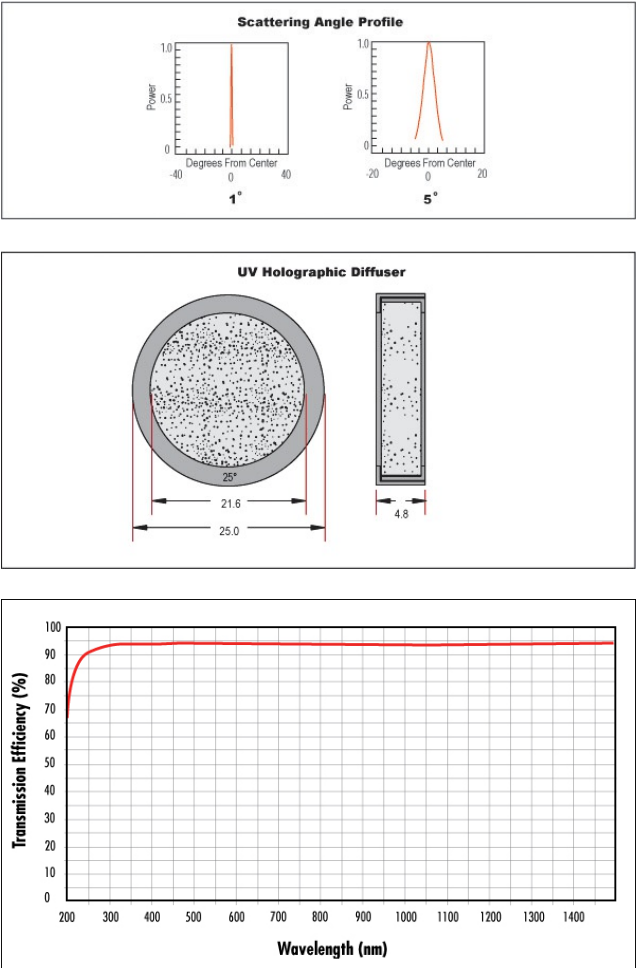
- Diffusing Angles Ranging from 0.5 - 50°
- Fused Silica Substrate Ideal for High Temperatures
- Homogenous Light Distribution
- [Standard Holographic Diffusers](#) Also Available

UV Fused Silica Holographic Diffusers are used to control the diffuse area of illumination and increase transmission efficiency to greater than 90% from filament lamps, LEDs, arc lamps, and other sources. These UV Fused Silica Holographic Diffusers use a fused silica substrate enabling their use at higher operating temperature than [polycarbonate holographic diffusers](#) and offer controlled, homogenous light distribution. It is important to note that diffusing angles are given for a collimated input beam and angular divergence will vary for different incidence angles.

Unlike many holographic elements, these specific fused silica components transmit light in the UV, visible, and near-infrared. Zero order, or a specular component, of transmitted light is less than 1% for visible wavelengths. Diffusers with wider diffusing angles (10 degree FWHM or wider) can also be used in an extended range of 200-1500nm, but those with lower diffusing angles are only recommended for use between 400-700nm.

**Note:** Matte surface should face the light source. To clean holographic diffusers, dampen a lint free cloth wipe with methanol and gently wipe the entire diffuser surface in a gentle, circular pattern. Immediately and carefully blow off the clean diffuser area with dry compressed air. Caution: cleaning may cause a change in the optical performance of the diffuser.

## Technical Information



Compatible Mounts

;