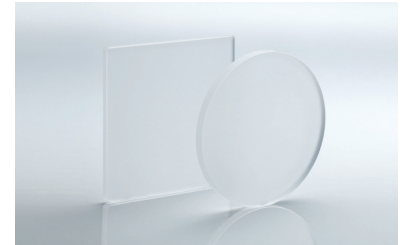


## UV ground glass diffusers

Knight Optical offer extensive custom options for UV ground glass diffusers.

Each diffuser is cut to size before being carefully dif- fused to the correct specification. Because of this simple design, we can easily manufacture unique shapes and sizes at short notice.

UV diffusers are made from UV fused silica and are typically used for traditional imag- ing and optical sensor applications. They offer vastly improved transmissiom below 400nm when compared to our standard visible range, while still transmitting well up to 2700nm. UV fused silica gives lower transmission than equivilant flashed opal, but demonstrate less scattering loss.



## Custom capabilities

<b>Diameter (mm)</b>	5mm to 100mm+
<b>Length/width (mm)</b>	5mm to 100mm+
<b>Thickness (mm)</b>	1mm to 8mm
<b>Dimensional tolerance (mm)</b>	+/-0.05
<b>Flatness (fr.)</b>	< 10 as standard
<b>Scratch/Dig</b>	< 20:10
<b>Rear surface polish</b>	<P3
<b>Diffused grade</b>	Typ. 40 micron. Ask for more details
<b>Material</b>	UV fused silica

## Notes: N/A

All products are tested in our state of the art metrology laboratory by our highly trained technicians to ensure compliance with the specification. Parts are then sent to our QA team to be cleaned and checked for surface imperfections before dispatch.

Please contact our technical sales team on (+44) 1622 849 444 to discuss your cus- tom UV diffuser requirements and discover how Knight Optical can help improve your supply chain experience. Alternatively, email us your requirements by clicking on the links below.