

Acrylic diffusers

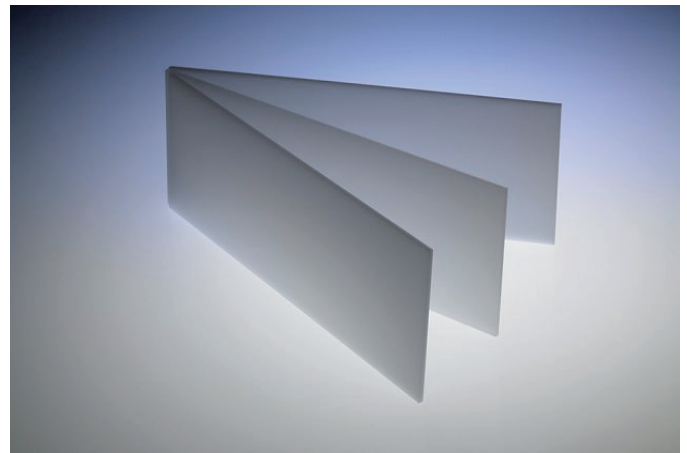
Knight Optical have a large range of options available for our Optolite™ range of acrylic light diffusers.

Our typical dimensional tolerances are below. We are able to supply tight tolerances where requested. Please contact our technical sales team who will be happy to discuss your requirements. CNC machining is available for complex shapes.

Material	Optolite™ Light Diffuser
Length / width	10mm to 600mm ± 1.0 mm
Thickness	0.5mm to 3.0mm ± 0.25 mm

Optolite™ Light Diffusers are available in 12 different grades based on transmission. The table below shows nominal transmission values for 1.0mm thick Optolite™. Please note transmission will vary with the thickness of the part. Knight Optical keep stock of 1.3mm thick matt white, grade 2 material which offers an excellent balance between uniform diffusion and transmission. We are happy to supply an alternative grade if requested.

Grade no.	Transmission	Thickness
0	87%	1.0mm
1	83%	1.0mm
2	76%	1.0mm
3	73%	1.0mm
4	65%	1.0mm
5	61%	1.0mm
6	56%	1.0mm
7	53%	1.0mm
8	50%	1.0mm
9	58%	1.0mm
10	45%	1.0mm
11	40%	1.0mm



Our acrylic diffusers can be screen printed and coloured to your specifications. For coloured filters we require a colour chip to match.

In order to process your custom order more efficiently, please inform the sales team the information below:

Size > Thickness > Grade > Colour

If the capabilities above do not meet your requirements, please enquire as we have many years of experience in this field. Speak to our multilingual technical sales team and discover how Knight Optical's high quality acrylic diffuser service can improve you instrumentation, design and supply chain experience.