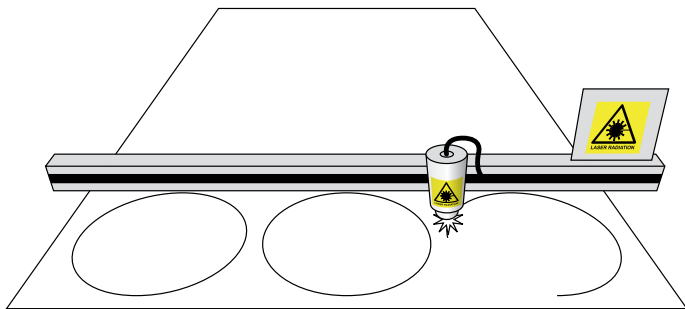


Refractor is a new acrylic material for lighting diffusers. It is pearl in appearance and is suitable for use in modern and high finish architectural commercial buildings.



An excellent diffuser for LED and CFL downlights. Y2 can be also be lasercut or routed into circles for fitting into downlight assemblies.

#### Features:

- High light transmittance - 88%.
- Excellent photometric performance.
- Y2 has a matt satin surface.
- Offers excellent tube obscuration (reduces tube definition).
- An excellent diffuser or cover for downlights.
- Offers even luminance over the entire diffuser.
- Maximum operating temperature 80°C.
- Will not 'yellow' under normal operating conditions.

#### Properties

The special optical properties are obtained by incorporating spherical, high molecular weight polymer beads with a different refractive index into the acrylic matrix.

The difference in refractive indices changes the direction of light travel within the manufactured part. The net result is an even distribution of light exiting the part.

#### Installation

Recommended distance from lamp to panel (with lineal laps) 65-70mm.

#### Dimensions

Standard sheet size:  
1260x620mm, 2mm or 3mm thick

#### Uses

Offices, Boardrooms, Retail. Cove, coffer and illuminated ceilings.  
Used under normal interior conditions, Y2 Refractor will perform satisfactorily for 20 years.