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# 50mm Dia., 0.3 x 60° Diffusion Angle, Elliptical Diffuser

Elliptical Diffuser

Stock **#70-775** **20+ In Stock**

- 1 + **A$166**.40

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| Volume Pricing | |
|---|---|
| Qty 1-9 | **A$166.40** each |
| Qty 10-25 | **A$116.00** each |
| Qty 26-49 | **A$108.00** each |
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## General

**Type:**

Elliptical Diffuser

## Physical & Mechanical Properties

**Diameter (mm):**

50.00 ±0.13

**Thickness (mm):**

1.59 +/-0.16

## Optical Properties

**Diffusing Angle (°):**

0.3 x 60

**Substrate:**

PMMA

## Environmental & Durability Factors

**Operating Temperature (°C):**

-34 to +70

## Regulatory Compliance

**Certificate of Conformance:**

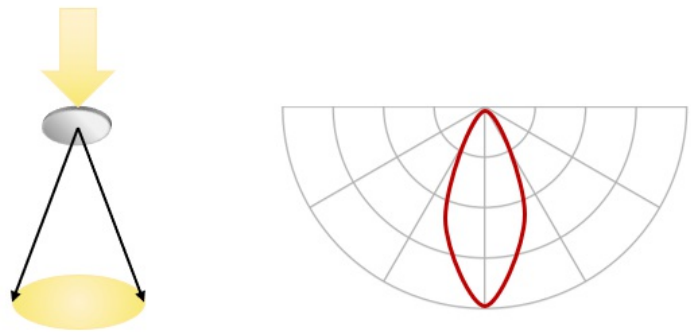
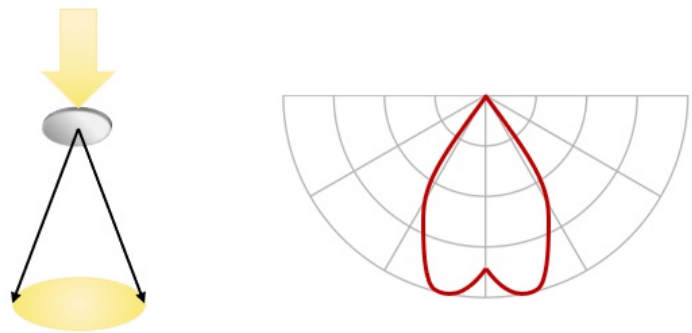
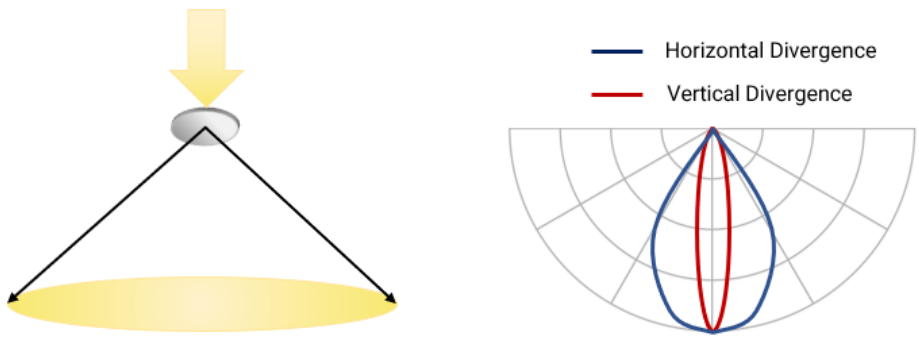
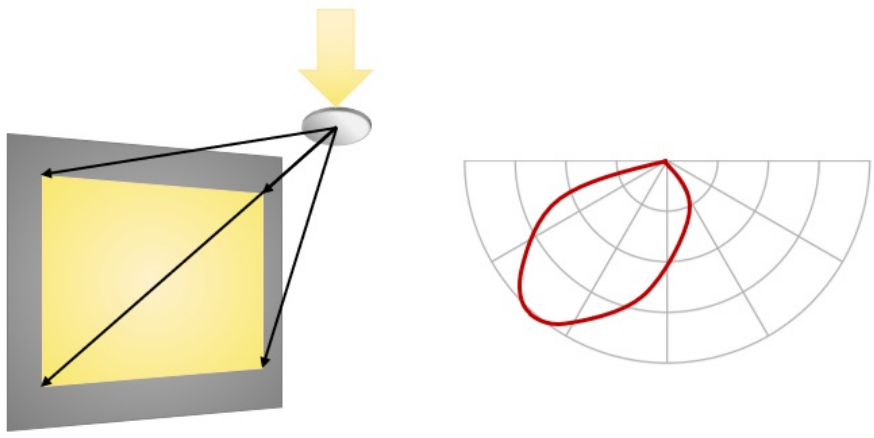
View

# Product Details

- High Efficiency, Angle Bending, Batwing, and Elliptical Configurations Available
- Transmission Efficiency >88%
- Low-Cost, High-Performance Diffusers

Beam Shaping Diffusers provide an even distribution of LED and fluorescent illumination in a variety of configurations including High Efficiency, Angle Bending, Batwing, and Elliptical while maintaining a high transmission efficiency of >88%. The high efficiency and angle bending configurations provide even light distribution whereas the batwing and elliptical configurations distribute light according to their respective geometries. Beam Shaping Diffusers feature diffusing angles between 8° - 127° and are available as 25mm diameter unmounted optics with a thickness of no more than 1.75mm, enabling easy integration into a variety of bench top or OEM applications. These Diffusers are ideal for applications where excellent depixellation, angle control, color mixing, and color uniformity are required.

# Technical Information

| BEAM SHAPING DIFFUSERS | | |
|---|---|---|
| Type of Diffuser | Description | Diffusion Example |
| High Efficiency Diffuser | High Efficiency Diffusers are ideal for providing even illumination in LED applications. They provide excellent depixellation, angle control, and color uniformity. |  |
| Linear Batwing Diffuser | Linear Batwing Diffusers diffuse light in a batwing distribution, ideal for eliminating central hotspots from a light source. Incident light should be from the glossy, specularly-reflective side of these diffusers for optimal performance. Light distributions may vary significantly depending on the light source used. |  |
| Elliptical Diffuser | Elliptical Diffusers diffuse light assymetrically, creating an elliptical light pattern. The diffusing angles are specified as W x L. |   |
| Angle Bending Diffuser | Angle Bending Diffusers both redirect and diffuse incident light, ideal for creating diffuse lighting in space-constrained environments. |  |

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