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50mm Dia., 8° Bend Angle, Angle Bending Diffuser

Angle Bending Diffuser

Stock **#70-769** **20+ In Stock**

- 1 + **C$145**.60

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Volume Pricing	
Qty 1-9	**C$145.60** each
Qty 10-25	**C$101.50** each
Qty 26-49	**C$94.50** each
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General

Type:

Angle Bending Diffuser

Physical & Mechanical Properties

Diameter (mm):

50.00 ±0.13

Thickness (mm):

1.59 +/-0.16

Optical Properties

Diffusing Angle (°):

60 x 20 with 8° Angle Bend

Substrate:

PMMA

Environmental & Durability Factors

Operating Temperature (°C):

-34 to +70

Regulatory Compliance

Certificate of Conformance:

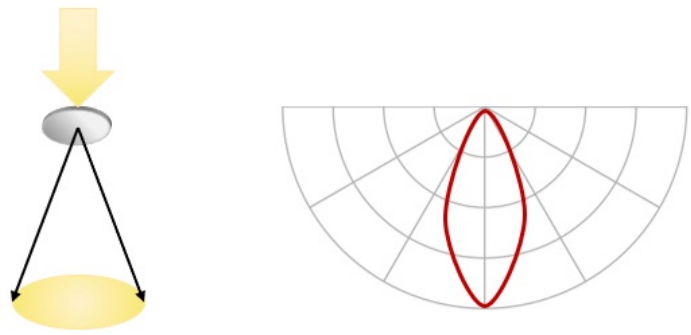
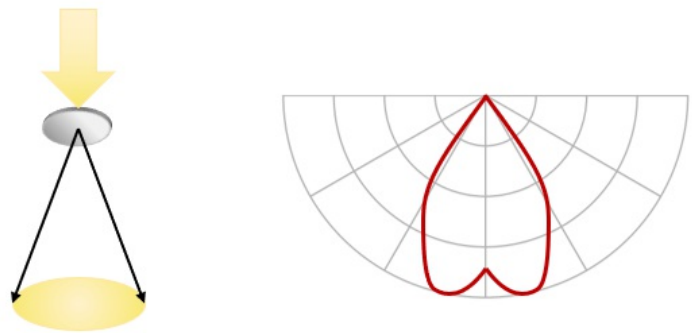
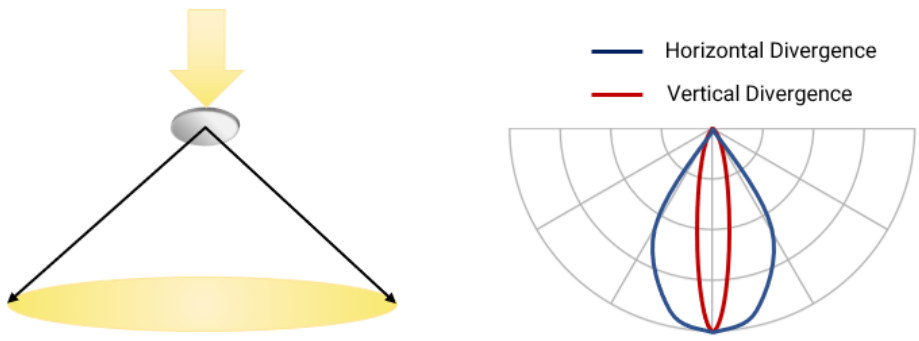
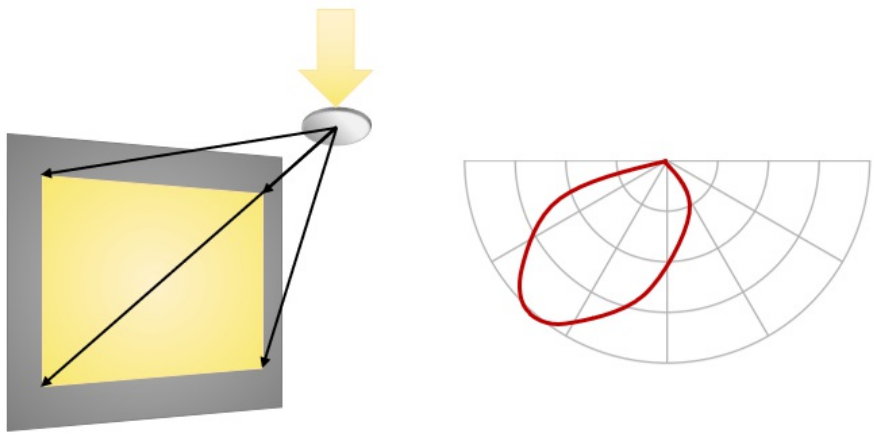
View

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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