



Light is vision.

Fiber Optic Backlight

Homogeneous, High Intensity Glass Fiber Optic Backlights



Features & Benefits

- Luminance - 7500 cd/m²
- Uniformity - $\pm 10\%$
- High Intensity
- Glass Fiber - High Heat Tolerance

Technical Specifications

Flexible Length	36" (900mm)
Mounting Holes (4)	Diameter F = 6.3mm
Active Fiber	2" - 6.75mm / 3" - 9.4mm / 5" - 13mm

2" x 2" Backlight

Homogenous Illuminated Field	50 x 50mm
Dimensions (HxWxD)	13 x 102 x 64mm

3" x 3" Backlight

Homogenous Illuminated Field	76 x 76mm
Dimensions (HxWxD)	23 x 172 x 121mm

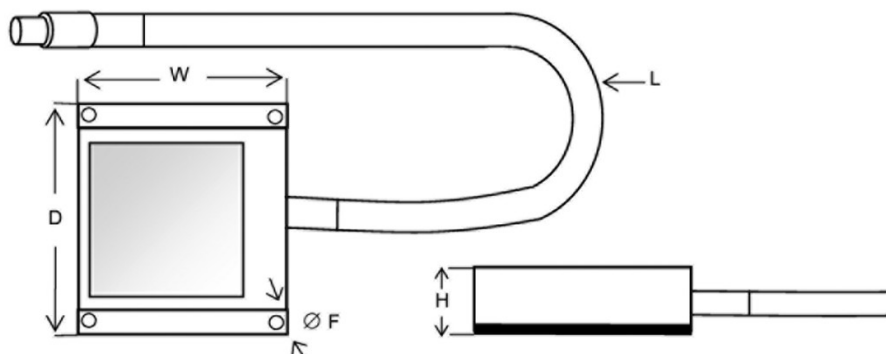
5" x 5" Backlight

Homogenous Illuminated Field	127 x 127mm
Dimensions (HxWxD)	23 x 222 x 172mm



Light is vision.

Dimensions



Intensity Distribution

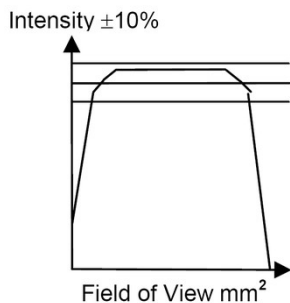


Chart depicts the typical intensity distribution for Volpi glass fiber optic backlights:

The 10% uniformity measurement is made over the central 90° of the area and specified using the one sigma point. The $\pm 10\%$ output uniformity is guaranteed for the central 90° area. All output uniformity measurements are made using an industry standard EKE lamp operating at full intensity.

Variants

Product	Part No.
Fiber Optic Backlight, 2" x 2" Illumination Field	45020.036
Fiber Optic Backlight, 3" x 3" Illumination Field	45030.036
Fiber Optic Backlight, 5" x 5" Illumination Field	45050.036