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## 4.25" x 3.37" Fiber Optic Backlight



4.25" x 3.37" Fiber Optic Backlight, #39-826

Stock **#39-826** **2 In Stock**

⊖ 1 ⊕ S\$1,442<sup>00</sup>

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Volume Pricing	
Qty 1-9	S\$1,442.00 each
Qty 10-24	S\$1,297.80 each
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**Note:** This item requires accessories for use | [Learn More](#)

### Product Downloads

### General

Packing Fraction (%):  
83.00

Type of Illumination:  
Fiber Optic Light Guide

Compatible Light Guide Adapter:  
SX: [#38-946](#)  
MX: [#66-908](#)

Backlight **Geometry:**

## Physical & Mechanical Properties

0.562 **Ferrule Diameter (inches):**  
Fiber: 48 **Length (inches):**

**Construction:**  
Black Anodized Aluminum Housing

## Optical Properties

68.00 **Acceptance Angle (°):**  
0.55 **Numerical Aperture NA:**

50.00 **Fiber Diameter (µm):**  
10% per Feet @ 600nm **Transmission Loss:**

400 - 2000 **Wavelength Range (nm):**

## Regulatory Compliance

**Reach 174:**  
[Compliant](#)  
**Certificate of Conformance:**  
[View](#)

## Product Details

[Light Guide Adapters](#) are required to mate the low profile Fiber Optic Line Lights with [fiber optic illuminators](#).

- High Contrast, Silhouetted Images
- Highly Diffuse, Even Light Distribution
- Ideal for Line Scan Camera Applications
- Used in 2D Vision Systems

Backlighting is a machine vision lighting method that provides a high contrast silhouette of a part or part segment. The object appears black against a uniform white background. Backlights can also be used with color filters, placed at the illuminator input end, to improve the contrast of colored components. Area backlights work well with 2D vision systems. [Light guide adapters](#) needed to mate with [fiber optic illuminators](#).

## Technical Information

