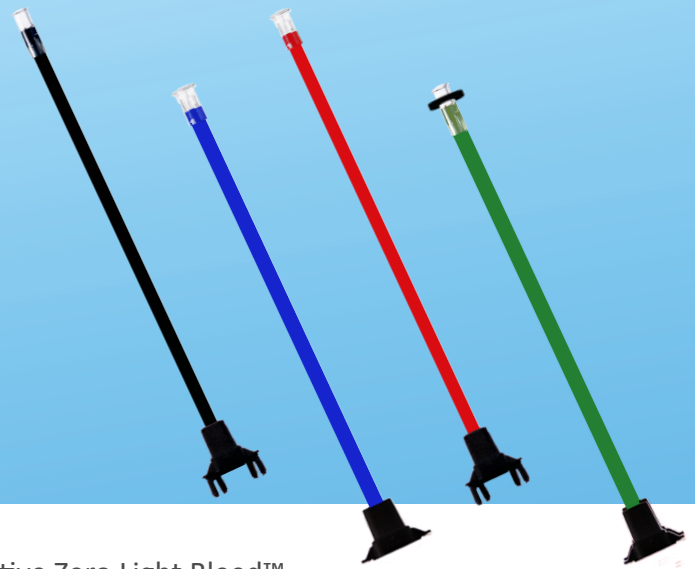


zero light bleed

SZ Series

Flexible Light Pipe System

Designing with Flexible Light Pipes Made Easy



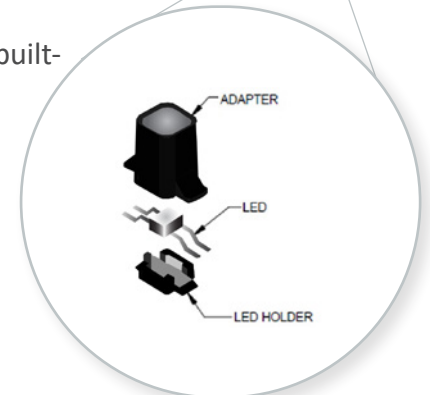
Bivar's the first to offer a flexible light pipe system with innovative Zero Light Bleed™ adapter technology with optional built-in surface mount LED: an all-in-one solution.

An expansion of Bivar's *Zero Light Bleed* technology offered in rigid light pipe and rigid array systems, the new flexible light pipe system provides even more agility in design to move light long distances, move around obstacles, and easily handle re-designs.

Zero Light Bleed technology

The *Zero Light Bleed* adapter channels light directly to the lens. This eliminates disruptive light bleed in and around the circuit board, which is known to cause false readings, muted and blended colors, and unwanted glow in the chassis.

The *Zero Light Bleed* SZ Series is available in a wide variety of options: optional built-in LED, unique fiber colors, and a range of sizes.



SZ Product Details



- Range of Lens sizes and shapes available
- Bivar lens and optical fiber bonding process for increased durability
- Available in IP54 Rated configuration

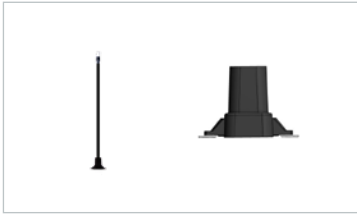


- Available in 1mm or 2mm Optical Fiber Diameter
- Standard lengths or customize to fit your specific application requirements
- Optical Fiber comes in black or one of 5 new colors: Red, Green, Blue, White, Yellow



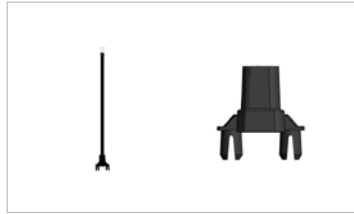
- *Zero Light Bleed* Protection
- Available with Built-In SMD LED
- Built-In SMD LED available in 14 color options including single color, bi-color, tri-color
- Built-In SMD LED reinforced packaging ideal for rugged environment applications
- 3 Mounting Options: Surface Mount, Firm Retention, Post Retention

Comparison: Zero Light Bleed Flexible Light Pipe Adapters



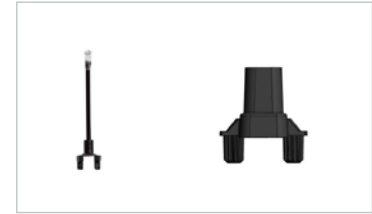
SZ Series: Built-in Surface Mount LED

- *Zero Light Bleed* adapter with flexible light pipe and lens
- Fit for ruggedized environments
- *Zero Light Bleed* protection
- LED included



SZ Series: Firm Retention

- *Zero Light Bleed* adapter with flexible light pipe and lens
- Fit for ruggedized environments
- *Zero Light Bleed* protection
- LED sold separately



SZ Series: Post Mount

- *Zero Light Bleed* adapter with flexible light pipe and lens
- *Zero Light Bleed* protection
- LED sold separately

SZ Series Features & Benefits

Simplified sourcing

Zero Light Bleed adapter, LED, flexible fiber, and lens all in one, delivering convenience and resource savings for both procurement and assembly.

Optimum compatibility

Designed with the most compatible LED, flexible light pipe, and lens combination, the *Zero Light Bleed* flexible light pipe system provides maximum light transmission while eliminating light cross talk between light pipes.

Enhanced durability

Optimal for high vibration applications, the *Zero Light Bleed* adapter assembly in the surface mount flexible light pipe system is soldered directly to PCB, strengthening attachment to the PCB.

Customization Options

- Standard fiber lengths available from 1.5" to 300" in increments of .5"
- Custom fiber lengths available in increments of .25"
- Customize the adapter and lens as desired

Contact [Ask An Engineer](#) for customization inquiries.

Full product details:

learn.bivar.com/zero-light-bleed-flexible-light-pipe-system