



THE RIGHT PARTS | AT THE RIGHT PLACE | AT THE RIGHT TIME

BIVAR

HAS THE
**RIGID LIGHT
PIPES**

YOU NEED!

Vertical and right angle rigid light pipes are engineered to carry light shorter distances in moderate to high vibration conditions and in damp or dusty environments. Choose from a selection of board mount or panel press-fit mounting types compatible with most LEDs. Customization available.

PANEL PRESS-FIT RIGID LIGHT PIPES

Short distance light pipe that presses securely into panel and hovers as close to SMD LED without touching.

PLTR



IP67 threaded retention for maximum protection against dust and water.

- Available in 3mm or 5mm front-mount lens size.
- Lengths from .25 in. (6.4mm) to 3.0 in. (76.2mm)
- Includes black or white polyurethane sealing gasket.
- Use with panel thickness 0.047 in. to 0.093 in.
- Hardware included. Torque 6-7 in-oz.

PLPC



Countersink flush mount design for smooth panel appearance.

- Available in 1mm, 2mm, 3mm front-mount lens sizes.
- Standard Lengths: .100 in. (2.5mm) to .500 in. (12.7mm).
- Metric Lengths: 3mm (.118") to 10mm (.394").
- Use with panel thickness 0.047"- 0.093"..
- An ideal solution for application with overlays.
- Crush-ribs for secure panel retention.

PLW5



Wide-capture lower body provides micro-lens to capture and emit more LED light.

- Available in 5mm front-mount low-profile lens size.
- Lengths from .125 in. (3.2mm) to .5 in. (12.7mm).
- Use with panel thickness 0.047"- 0.093".

PLPQ



Square shaped lens design provides a clean symmetrical alternative to round lens.

- Available in 2mm, 3mm low-profile or flush front-mount lens size.
- Lengths from .100 in. (2.5mm) to .500 in. (12.7mm).
- Ideal for smaller display applications.

- Diffused, smoked, and color (blue, green, red, yellow) lens options.

- Use with panel thickness .047 in. to .093 in.
- Clear and color (blue, black, green, gray, red, yellow) lens options.

BOARD MOUNT

Short distance light pipe that mounts directly onto a PCB over an SMD LED.

LPV



ZeroLightBleed™ surface mount adapter with built-in Bivar SMD LED and vertical light pipe.

- Rear-mount 2mm, 3mm, 4mm lens size. Domed or flat lens appearance.
- Lengths from .350 in. (8.9mm) to 2.00 in. (50.8mm).
- Channels light directly to lens, eliminating light bleed at the source.
- Available in single and multi-color SMD LED.
- Polarity identification stripe on adapter for easy installation.

LPAV



ZeroLightBleed™ adapter 4 station vertical light pipe array.

- Rear-mount 3mm lens size. Low profile lens appearance.
- Length 1.00 in. (25.4mm).
- Channels light directly to lens, eliminating light bleed at the source.
- Use with Bivar single and multi-color SMD LED.

LPR



ZeroLightBleed™ surface mount adapter with built-in Bivar SMD LED and right-angle light pipe.

- Rear-mount 3mm, 4mm, 5mm lens size. Domed or flat lens appearance.
- Height options from .80 in. (20.3mm) to 1.25 in. (31.8mm).
- Protrusion lengths from .70 in. (17.8mm) to 3.00 in. (76.2mm).
- Channels light directly to lens, eliminating light bleed at the source.
- Available in single and multi-color SMD LED.
- Polarity identification stripe on adapter for easy installation.

LPAR



ZeroLightBleed™ adapter 4 station right-angle light pipe array.

- Rear-mount 3mm lens size. Low profile lens appearance.
- Height .29 in. (7.37mm)
- Protrusion Length 1.02 in. (25.79mm)
- Channels light directly to lens, eliminating light bleed at the source.
- Use with Bivar single and multi-color SMD LED.

PRODUCT BROCHURES



PANEL MOUNT INDICATORS

LIGHT PIPES

LEDs



Bivar has indication solutions designed to maximize light efficiencies and create a zero light bleed environment in any application. These proprietary trademarked products have been tested and approved by engineers around the world looking for the features and configurations that fit your projects.

Bivar's off the shelf solutions are offered in a range of shapes, sizes, colors, voltages and IP ratings depending on the requirements of your application. Custom solutions can also be designed to accommodate unique application-specific requirements, for that perfect fit.



More About SMD Inc.

SMD Inc. is a Provider of Electronics and Electrical Components, Services And Logistic Solutions for Commercial, Industrial and Military Manufacturers. We offer a wide variety of products from an authorized supplier base. We provide technical and sales expertise on all product lines and commodities. SMD Inc. is a specialized distributor with a focused product offering. This has allowed us to be experts in our supplier's product offerings.

SMD Inc. offers supply-chain and logistics solutions to a variety of market segments including energy, medical, industrial controls, defense, automotive and transportation services.

SMD Inc. Suppliers

SMD Inc. partners with quality suppliers. We focus on suppliers with like values, well-respected brands and manufacturers that our customers value. We represent a limited number of suppliers and can therefore focus our knowledge and effort in delivering the best solutions for our customers every time.

[View our Linecard](#)

Contact us TODAY!

Corporate Headquarters
 ISO Certified Stocking Location - Irvine, CA
 949-470-7700 | sales@smdinc.com

Los Angeles Regional Office
 Torrance, CA
 310-379-3642 | lasales@smdinc.com

San Diego Regional Office
 San Diego, CA
 619-851-9209 | sdsales@smdinc.com

Northeast Regional Office
 ISO Certified Stocking Location - Exeter, NH
 603-681-0320 | saleseast@smdinc.com

Midwest Regional Office
 Chicago, IL
 847-293-1881 | mwsales@smdinc.com

Southwest Regional Office
 ISO Certified Stocking Location - El Paso, TX
 949-470-7700 | sales@smdinc.com

Florida Regional Office
 Deerfield Beach, FL
 954-428-8840 | florida@smdinc.com

Northwest Regional Office
 Sunnyvale, CA 94086
 408-988-3751 | sunnyvale@smdinc.com

Arizona Regional Office
 ISO Certified Stocking Location - Mesa, AZ 85210
 602.275.2626 | azsales@smdinc.com

Mexico Sales
 Tijuana, Mexico
 011 52 664 370 8753 | preguntas@smdinc.com

