

Flexible Light Pipe System

Flexible light pipe systems are comprised of an adapter and an optical fiber with lens cap assembly. The adapter is mounted directly to the PCB and the lens cap is connected to the panel.

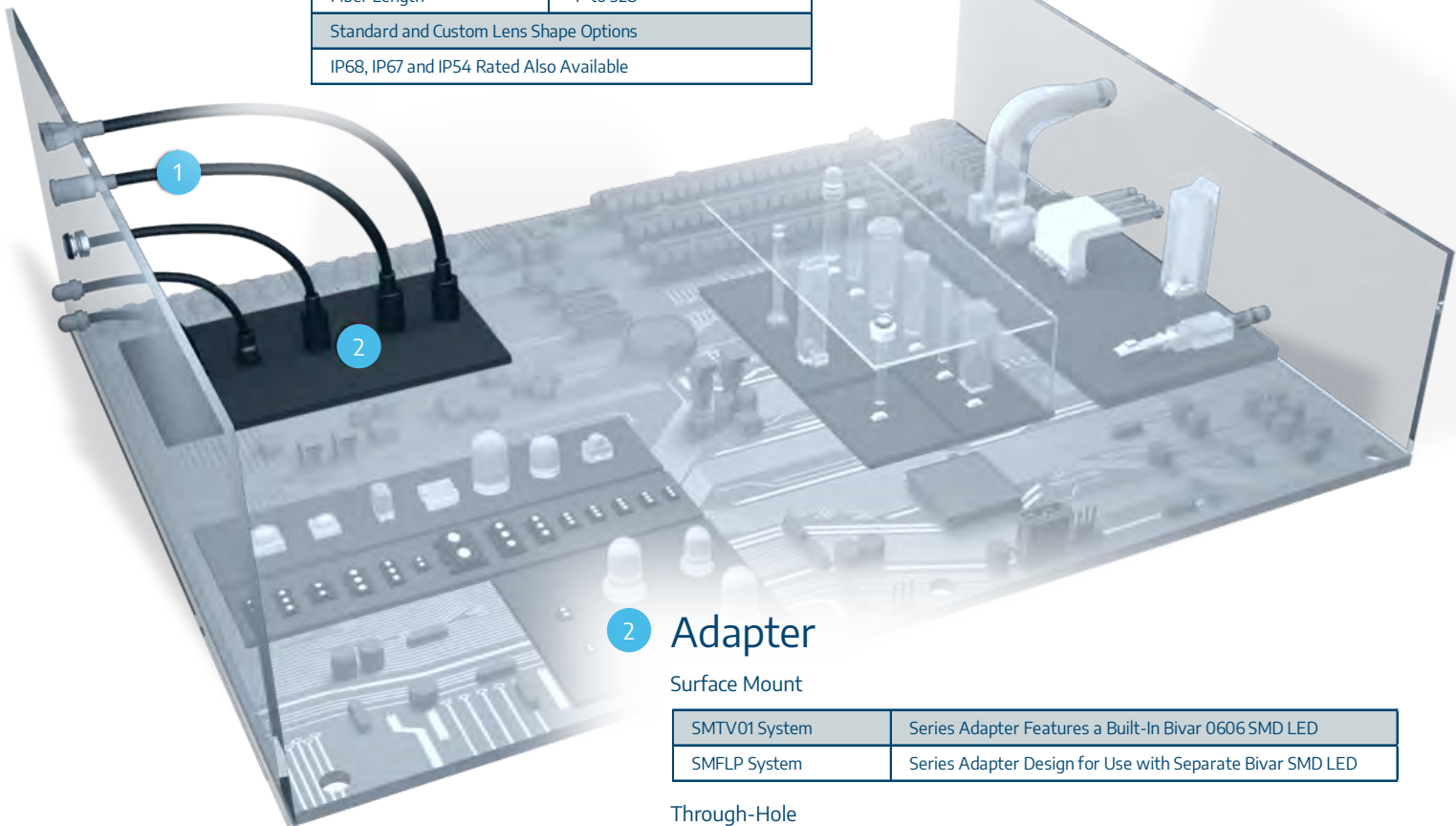
- Moves Light Greater Distances
- Convenient Hot-Swap Removal
- Removes Current in Hazardous Environments
- ESD Protection for Sensitive Components
- Best Suited with Bivar Narrow View LEDs

 Customizable

1 Optical Fiber and Lens Cap Assembly

Comes in one piece with a lens attached to optical fiber using Bivar proprietary process for maximum adhesion, strength and light output.

Diameter Fiber Thickness	1 or 2mm
Fiber Length	1" to 328'
Standard and Custom Lens Shape Options	
IP68, IP67 and IP54 Rated Also Available	



2 Adapter

Surface Mount

SMTV01 System	Series Adapter Features a Built-In Bivar 0606 SMD LED
SMFLP System	Series Adapter Design for Use with Separate Bivar SMD LED

Through-Hole

ORFLP System	Series Adapters Feature a Built-In Bivar R20/R50 Superflux LED
FLP System	Series Adapters Contain a Bivar 3mm LED

Rigid Light Pipe

Rigid light pipes are available in Vertical Press-Fit, Right Angle or Vertical Board Mount options.

- Moves Light Short Distances
- Optical Grade 94V-0 Polycarbonate
- Channel More Light with Less Bleed
- Best Suited with Bivar Narrow View LEDs

 Customizable

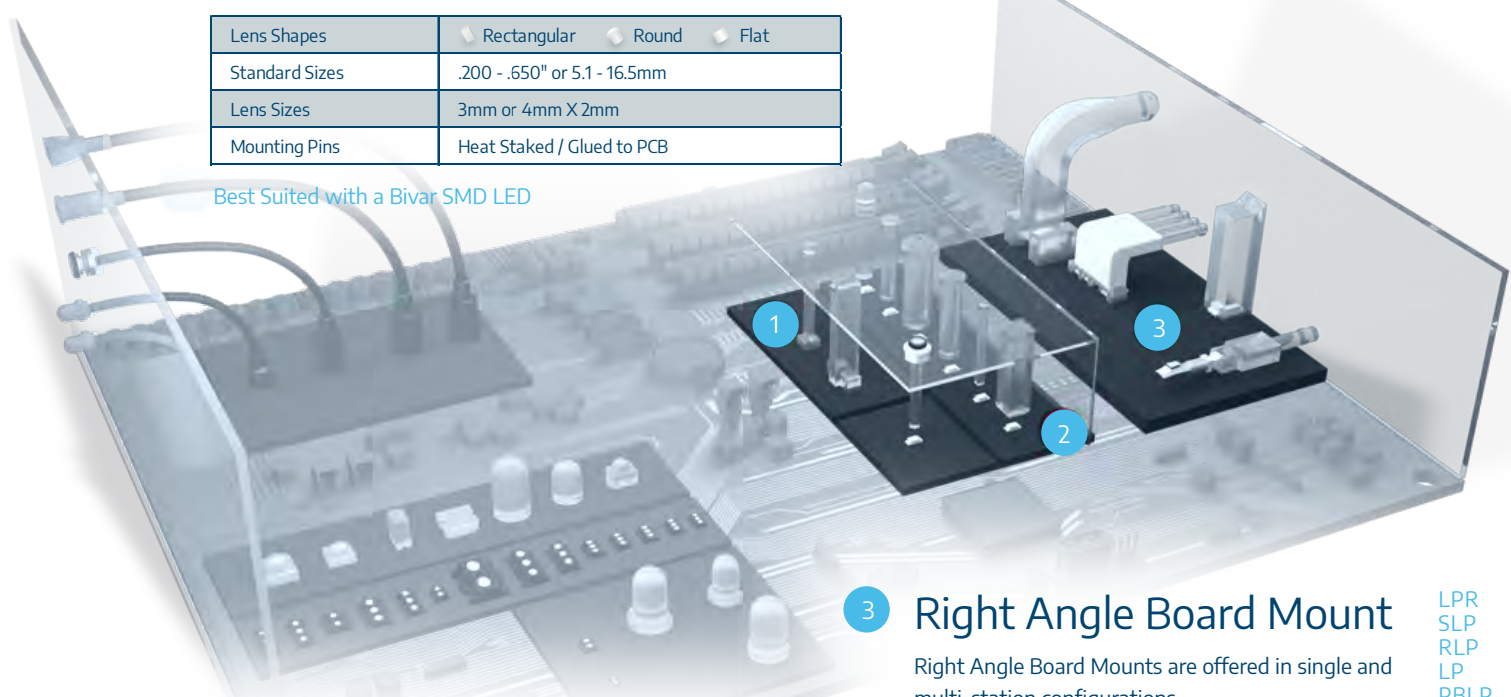
1 Vertical Board Mount

LPV
VLP
VLPR

Vertical Board Mounts are offered in a variety of styles and heights.

Lens Shapes	Rectangular <input type="checkbox"/> Round <input type="checkbox"/> Flat <input type="checkbox"/>
Standard Sizes	.200 - .650" or 5.1 - 16.5mm
Lens Sizes	3mm or 4mm X 2mm
Mounting Pins	Heat Staked / Glued to PCB

Best Suited with a Bivar SMD LED



2 Vertical Press-Fit Mount

PLTR PLP1
PLW5 PLP2
PLPC PLP5
PLPQ

Vertical Press-Fit Mounts are offered in a variety of styles and heights.

Mounting Styles	Rear, front, souther sync, or IP67
Standard Lengths	.100 - 1.5" or 3 - 10mm
Lens Sizes	1, 2, 3, or 5mm
Lens Appearance	Low Profile, Diffused, Smoked
Lens Shapes	Rectangular <input type="checkbox"/> Round <input type="checkbox"/> Flat <input type="checkbox"/>
Positioned above LED without touching it	

Best Suited with a Bivar SMD LED

 Customizable

3 Right Angle Board Mount

LPR
SLP
RLP
LP
PBLP

Right Angle Board Mounts are offered in single and multi-station configurations.

Configurations	1, 2, 3, or 4 Stations
Mounting Pins	Heat Staked / Glued to PCB
Lens Shapes	Rectangular <input type="checkbox"/> Round <input type="checkbox"/> Flat <input type="checkbox"/>
Lens Sizes	3 or 5mm
Range of Elevation and Protrusion Options	
RLP Series Have a Shielded Body to Maximize Light Output	

Best Suited with a Bivar SMD LED

Surface Mount and Through-Hole LED

LEDs are available in Surface Mount and Through-Hole packages and are soldered directly to the PCB.

- Narrow Viewing Angle to Maximize Luminosity
- Low Power Consumption High Intensity Output
- Wide Selection of Colors
- Single, Bi-Colored and Tri-Colored
- Specialty Ultraviolet and Infrared LEDs

1 Through-Hole LED

Through-Hole LEDs are available in a wide range of industry standard packages.

Lens Appearance	Water Clear, Diffused, Tinted
Lead-Frame Type	Standard, Flange
Can be Paired with Clip and Ring Assemblies	
Shoulder Lead Frame Styles for Vertical Spacer Assemblies Without Lead Bends	



3 Surface Mount LED

Surface Mount LEDs are intended for use in a wide range of applications and are recommended for use with Bivar Rigid or Flexible Light Pipes.

Industry Standard Packages	
Variety of Viewing Angles, Wavelengths, and Intensity Combinations	
Proprietary Inner Lens Feature for Increased Luminosity	
Tape and Reels for Pick-and-Place Assemblies	
Color Options	Single, Bi-Color, and Tri-Color
Tape and Reels for Pick-and-Place Assemblies	

Low Power Consumption

2 Ultraviolet and Infrared Specialty

Ultraviolet (UV) and Infrared (IR) LEDs are provided for application specific designs and can be used with other Bivar LED indication products.

Industry Standard Packages
UV LEDs Available 385 - 405nm ranges
UV Equipped with a Built-In Protective Zener Diode
Water Clear Lens, Tight Viewing Angles

Low Power Consumption