



# Exceptional Portfolio - Light Pipes

## PANEL MOUNT LINEAR LIGHT PIPES

### LMC SERIES



2.5 mm / 0.10"  
Fresnel  
160° View Angle  
Low Profile

### LFB SERIES



3.0 mm / 0.12"  
Diffused Lens  
Press-fit  
120° View Angle  
Low Profile

### LSV SERIES



3.0 mm / 0.12"  
Fits SMB\_200 &  
SMQ\_250 lens  
180° View Angle  
Low Profile

### LPC SERIES



4.3 mm / 0.17"  
Fresnel  
160° View Angle  
Low Profile

### LPCR SERIES



4.3 mm / 0.17"  
Fresnel  
Press-fit  
160° View Angle  
Low Profile

### LCV SERIES



5.0 mm / 0.20"  
Fits CLB\_300 &  
SQB\_400 lens  
180° View Angle  
Low Profile

### LFC SERIES



5.0 mm / 0.20"  
Diffused Lens  
Press-fit  
120° View Angle  
Low Profile

## ☔ PANEL MOUNT MOISTURE SEALED LINEAR LIGHT PIPES

### LSS SERIES



4.34 mm / 0.171"  
180° View Angle  
w/Retainer Ring  
Low Profile  
Sealed Light Pipe

### LMS SERIES



7.14 mm / 0.281"  
180° View Angle  
w/Retainer Ring  
Low Profile  
Sealed Light Pipe

### LCS SERIES



7.92 mm / 0.312"  
180° View Angle  
w/Lockwasher &  
Retainer Nut  
Threaded Moisture  
Sealed Light Pipe

### LPCM SERIES



4.40 mm / 0.173"  
Panel Flush  
Low Profile  
Fits SMD\_4 mount

## PANEL MOUNT FLEXIBLE LIGHT PIPES

### FLX3 SERIES



4.3 mm / 0.17"  
Fiber Optic  
Fits SMB\_200,  
SML\_190 &  
SMQ\_250 Lens

### FLX SERIES



6.4 mm / 0.25"  
Fiber Optic  
Fits CLF\_280,  
CLB\_300, CLR\_301  
& SQB\_400 Lens

### 7512F SERIES



4.8 mm / 0.19"  
Fiber Optic  
Low Profile  
Wide View Angle

## BOARD MOUNT RIGHT ANGLE LIGHT PIPES

**Wide Range of** 1-position, 2-position, 3-position & 4-position



7511A73



7511A87



7511G5



7513D2-L



7511A22



7511B66

### FLX\_322 SERIES



7.1 mm / 0.28"  
Fiber Optic  
w/Fresnel Lens,  
Seal & Retainer Ring

### FLX\_44X SERIES



7.9 mm / 0.31"  
Fiber Optic  
w/Lens, Threaded Seal,  
Lockwasher,  
& Retainer Ring

### FLXR SERIES



10.1 mm / 0.40"  
Fiber Optic  
NEMA4 Threaded  
w/Seal, Lockwasher,  
& Retainer Ring



7512A7



7511B61



7511B11



7511B12-C



7512D2



7512A5-4-A

## Panel Mount Linear Light Pipes

### LMC SERIES



#### 2.5 mm Rigid Light Pipe

- Low profile fresnel rigid light pipe
- Increases the apparent brightness and viewing angle of the LED
- Uniform brightness
- Transmits the light from the source to the lens
- Light pipe is secured to the display panel
- 160° viewing angle
- Supports surface mount, 3mm, 5mm standard LED packages
- Fits 0.102" (2.5 mm) panel mounting hole
- Enables flush panel design opportunities
- Available lengths from 0.120" to 1.200"
- Clear optical acrylic UL94-HB
- RoHS Compliant

### LFB SERIES



#### 3 mm Press Fit Light Pipe

- Diffused rigid light pipe
- Low profile press fit diffused light pipe
- Crushable ribs simplify installation
- Uniform brightness
- Frosted surface provides a soft glow
- 120° viewing angle
- Works with through hole and SMD LEDs
- Fits 0.116" (3 mm) panel mounting hole
- Enables flush panel design opportunities
- Available lengths from 0.125" to 1.000"
- Clear polycarbonate UL 94-V0
- Vibration resistant with optional retainer ring
- RoHS Compliant

### LSV SERIES



#### 3 mm Rigid Light Pipe

- Light pipe mates with different VCC lens model
- Light pipe snaps into lens locking tabs
- Lens mounts light pipe securely to the display panel
- 180° viewing angle
- Fits 0.171" (4.3 mm) panel mounting hole
- Available lengths from 0.200" to 1.200"
- Clear optical acrylic UL94-HB
- Optional color lens and shape available
- Vibration resistant with optional retainer ring
- RoHS Compliant

### LPC SERIES



#### 4.3 mm Low profile fresnel light pipe

- 4.3 mm low profile fresnel light pipe
- Supports vertical and horizontal PCB LEDs
- Unique near flush design
- Uniform brightness
- Rigid light pipe
- Light pipe is secured to the display panel
- Works with through hole and SMD LEDs

- Fits 0.171" (4.3 mm) panel mounting hole
- 160° viewing angle
- Available lengths from 0.200" to 2.000"
- Capable of blending multicolor LED light into a single color
- Clear optical acrylic UL94-HB
- Vibration resistant with retainer ring
- RoHS Compliant

## Panel Mount Linear Light Pipes

### LPCR SERIES



#### 4.3 mm Low profile Press fit fresnel light pipe

- Crushable ribs simplify installation
- Light pipe is secured to the display panel
- Unique near flush design
- Rigid light pipe
- 160° viewing angle
- Works with through hole and SMD LEDs
- Fits 0.171" (4.3 mm) panel mounting hole
- Available lengths from 0.125" to 1.000"
- Clear polycarbonate UL 94-V0
- Vibration resistant with optional retainer ring
- RoHS Compliant

### LCV SERIES



#### 5 mm Rigid Light Pipe

- Light pipe mates with different VCC lens model
- Lens mounts light pipe securely to the display panel
- Lightpipe snaps into lens locking tabs
- 180° viewing angle
- Fits 0.250" (6.35 mm) panel mounting hole
- Available lengths from 0.360" to 1.360"
- Clear optical acrylic UL94-HB
- 180° viewing angle
- Optional color lens and shape available
- Vibration resistant with optional retainer ring
- RoHS compliant

### LFC SERIES



#### 5 mm Rigid Light Pipe

- Diffused rigid light pipe
- For use with surface-mount or through-hole LEDs
- Optical grade polycarbonate for maximum light transmission
- Low profile, flush panel design
- 120° viewing angle
- Available lengths from 0.125" to 1.000"
- No physical connection between light pipe and LED provides versatility for assembly
- Custom lengths available
- RoHS compliant

## Board Mount Linear Light Pipes

### LPCM SERIES



#### Board mount light pipe

- Low profile, panel flush design
- Reduces shadowing and glare
- Mates to any PCB using SMD\_4 mount
- Uniform brightness and maximum light transmission
- Works with VCC SMD LEDs

- Fits 0.173" (4.4 mm) panel mounting hole
- Enables flush panel design opportunities
- Available lengths from 0.300" to 1.20"
- Clear optical grade Acrylic 94-HB
- RoHS Compliant

## Panel Mount Moisture Sealed Linear Light Pipes

### LSS SERIES



#### 3 mm light pipe with moisture sealed lens

- Transmit the light from the PCB mounted LEDs to the front display panel
- Low Profile, wide viewing angle, and moisture sealed lens
- Increases the apparent brightness and viewing angle of the LED
- 180° viewing angle
- Supports surface mount, 3mm and 5mm standard LED packages
- Fits 0.171" (4.34 mm) panel mounting hole
- Retainer ring are supplied for easy assembly
- Available lengths from 0.330" to 1.33"
- Different lens colors available
- Light pipe: Clear optical acrylic UL94-HB
- Lens: Polycarbonate UL 94-V2
- Seal: EPDM
- Meets NEMA 4, IP56 standards
- RoHS Compliant

### LMS SERIES



#### 5 mm light pipe with moisture sealed lens

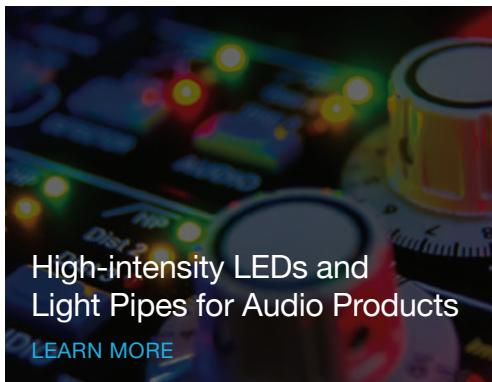
- Transmits the light from the PCB mounted LEDs to the front display panel
- Low Profile, wide viewing angle, and moisture sealed lens
- Increases the apparent brightness and viewing angle of the LED
- 180° viewing angle
- Supports surface mount, 3mm and 5mm standard LED packages
- Fits 0.281" (7.14 mm) panel mounting hole
- Retainer ring are supplied for easy assembly
- Available lengths from 0.330" to 1.33"
- Different lens colors available
- Light pipe: Clear optical acrylic UL94-HB
- Lens: Polycarbonate UL 94-V2
- Seal: EPDM
- Meets NEMA 4, IP56 standards
- RoHS Compliant

### LCS SERIES



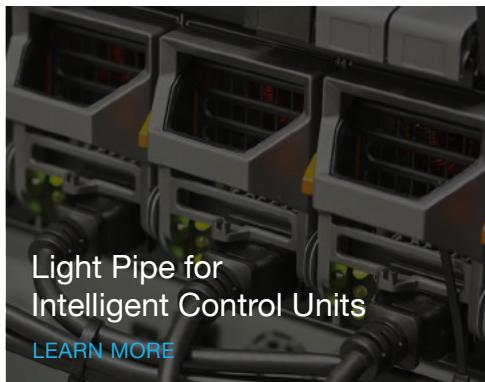
#### 8 mm light pipe with moisture sealed lens

- Increases the apparent brightness and viewing angle of the LED
- Transmits the light from the PCB mounted LEDs to the front display panel
- Light pipe fits into lens
- Lens mounts securely to the display panel with lockwasher
- 180° viewing angle
- Supports surface mount, 3mm and 5mm standard LED packages
- Fits 5/16" (8mm) panel mounting hole
- Available lengths from 0.320" to 1.77"
- Different lens colors available
- No physical connection between the light pipe and the LED
- Light pipe: Clear optical acrylic UL94-HB
- Lens: Polycarbonate UL 94-V2
- Seal: EPDM
- Meets NEMA 6P / IP67 standards
- RoHS Compliant



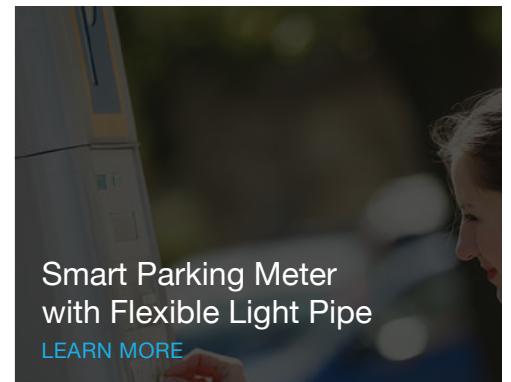
High-intensity LEDs and Light Pipes for Audio Products

[LEARN MORE](#)



Light Pipe for Intelligent Control Units

[LEARN MORE](#)



Smart Parking Meter with Flexible Light Pipe

[LEARN MORE](#)

## Panel Mount Flexible Light Pipes

### FLX3 SERIES



#### 3 mm Flexible Light Pipe

- Flexible panel board mount light pipe
- Fiber optic with optical grade acrylic lens
- Works with through hole and SMD LEDs
- Fits 0.171" (4.34 mm) panel mounting hole
- Variations of board mounting available
- Optional color lens and shape available
- Available lengths from 2.0" to 12.0"
- Vibration resistant with optional retainer ring
- RoHS compliant

### FLX SERIES



#### 5 mm Flexible Light Pipe

- Flexible panel board mount light pipe
- Fiber optic with optical grade acrylic lens
- Works with through hole and SMD LEDs
- Fits 0.250" (6.35 mm) panel mounting hole
- Variations of board mounting available
- Optional color lens and shape available
- Available lengths from 2.0" to 12.0"
- Vibration resistant with optional retainer ring
- RoHS compliant

### 7512F SERIES



#### Flexible Board Mount Light Pipe

- Press fit
- Flexible optical light pipe
- Fits CMDA19 LED Series
- Fits 0.187" (4.75 mm) panel mounting hole
- ESD protection from circuitry
- Wide viewing angle
- IP65 rated
- Water clear optics for variety of LED colors
- Light pipe: Clear polycarbonate UL 94-V0
- RoHS compliant

## Moisture Sealed Flexible Light Pipes

### FLX\_322 SERIES



#### Moisture Seal Flexible Light Pipe

- Transmitting light from a PCB mounted LED to front panel
- Offers wide design capabilities
- Fiber optic with optical grade acrylic lens
- Works with through hole and SMD LEDs
- Fits 9/32" (7.12 mm) panel mounting hole
- ESD protection from circuitry
- Available lengths from 2.0" to 12.0"
- Different fresnel lens colors available
- Meets NEMA 4, IP56 standards
- RoHS compliant

### FLX\_44X SERIES



#### Threaded moisture Seal Flexible Light Pipe

- Transmitting light from a PCB mounted LED to front panel
- Offers wide design capabilities
- Fiber optic with optical grade acrylic lens
- Works with through hole and SMD LEDs
- Fits 5/16" (7.97 mm) panel mounting hole
- ESD protection device
- Available lengths from 2.0" to 12.0"
- Different fresnel lens colors available
- RoHS compliant

### FLXR SERIES



#### Threaded Moisture Seal Flexible Light Pipe

- Designed for harsh and outdoor environments
- Ruggedized flexible light pipe
- Anti-vandal low profile light pipe
- Resistant to shock and vibration
- Wide viewing angle
- Fits 0.400" (10.1 mm) panel mounting hole
- Clear or black anodized finish
- ESD protection
- RoHS compliant

## Board Mount Right Angle Light Pipes

**7511B12-C****7513D2-L****7511A22****7514B2-4****7511B66****7512D2****7512A7****7511G5****7511B61****7511B11****Board Mount Right Angle Light Pipes**

- Wide range of 1 Position, 2 Position, 3 Position and 4 Position
- Rigid light pipe
- Light pipe is secured to the board
- Maximum light transmission
- Transmit light from PCB mounted LED to the front display panel

**7511A73****7511A87**

Are you ready for next level illuminated components?