## Exceptional Portfolio - Light Pipes

### PANEL MOUNT LINEAR LIGHT PIPES

<table>
<thead>
<tr>
<th>Series</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>LMC</strong></td>
<td>2.5mm / 0.10” Fresnel 160° View Angle Low Profile</td>
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<tr>
<td><strong>LFB</strong></td>
<td>3.0mm / 0.12” Diffused Lens Press-fit 120° View Angle Low Profile</td>
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<td><strong>LSV</strong></td>
<td>3.0mm / 0.12” Fits SMB_200 &amp; SMQ_250 lens 180° View Angle Low Profile</td>
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<tr>
<td><strong>LPC</strong></td>
<td>4.3mm / 0.17” Fresnel 160° View Angle Low Profile</td>
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<td><strong>LPCR</strong></td>
<td>4.3mm / 0.17” Fits CLB_300 &amp; SQB_400 lens 180° View Angle Low Profile</td>
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<td><strong>LFC</strong></td>
<td>5.0mm / 0.20” Diffused Lens Press-fit 120° View Angle Low Profile</td>
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### PANEL MOUNT MOISTURE SEALED LINEAR LIGHT PIPES

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<td>3.0mm / 0.12” 180° View Angle w/Retainer Ring Low Profile Sealed Light Pipe</td>
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<td><strong>LPCM</strong></td>
<td>4.40mm / 0.173” Board Mount No-bleed Light Pipe Low Profile</td>
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<tr>
<td><strong>7511</strong></td>
<td>3.81mm / 0.160” Board Mount Single Position Rigid Linear Light Pipe Clear UL 94-V0</td>
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</table>

### BOARD MOUNT LINEAR LIGHT PIPES

**Wide Range of 1-position, 2-position, and 3-position**

### BOARD MOUNT RIGHT ANGLE LIGHT PIPES

- **7511B12-B**
- **7511A85**
- **7511C2**
- **7513D2-L**
- **7513D2-S**
- **7511G2C**
- **7610D2**
- **7511F2**
- **7512D2**
- **7511A62**
- **7511A62V0**
- **7511B11**

### MOISTURE-SEALED FLEXIBLE LIGHT PIPES

- **FLX3**
- **FLX**
- **7512F**

- **FLX SERIES**
  - 3.0mm / 0.12” Fiber Optic Fits SMB_200, SML_190 & SMQ_250 Lens
  - 5.0mm / 0.20” Fiber Optic Fits CLF_280, CLB_300, CLR_301 & SQB_400 Lens
  - 4.8mm / 0.19” Fiber Optic Low Profile Wide View Angle

- **FLX3 SERIES**
  - 7.9mm / 0.31” Fiber Optic w/Lens, Threaded Seal, Lockwasher & Retainer Ring

- **FLX_44X SERIES**
  - 10.1mm / 0.40” Fiber Optic NEMA4 Threaded w/Seal, Lockwasher & Retainer Ring

- **FLX SERIES**
  - 7.1mm / 0.28” Fiber Optic w/Fresnel Lens, Seal & Retainer Ring

- **7512F SERIES**
  - 7.9mm / 0.31” Fiber Optic w/Lens, Threaded Seal, Lockwasher & Retainer Ring
  - 10.1mm / 0.40” Fiber Optic NEMA4 Threaded w/Seal, Lockwasher & Retainer Ring
Panel Mount Linear Light Pipes

**LMC SERIES**

2.5mm 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” (2.5mm) panel mounting hole
- Enables flush panel design opportunities
- Available lengths from 0.100” to 1.200”
- Clear optical acrylic UL94-HB
- RoHS Compliant

**LFB SERIES**

3mm 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” (3mm) 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**

3mm 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” (4.3mm) panel mounting hole
- Available lengths from 0.200” to 1.200”
- Clear optical acrylic UL94-HB
- Vibration resistant with optional retainer ring
- RoHS Compliant

**LPC SERIES**

4.3mm Low Profile Fresnel Light Pipe
- 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” (4.3mm) panel mounting hole
- 160° viewing angle
- Available lengths from 0.110” 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**

4.3mm 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" (4.3mm) 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**

5mm 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**

5mm 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**

No-Bleed 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
- For use with surface mount LEDs
- Fits 0.173" (4.4mm) panel mounting hole
- Enables flush panel design opportunities
- Available lengths from 0.300" to 1.00"
- Clear optical grade Acrylic 94-HB
- RoHS Compliant

**7511 SERIES**

Board Mount Rigid Light Pipe
- Board mount
- Single position
- Fits 0.150" panel mounting hole
- Light pipe length: 0.400"
- Light pipe angle: Linear
- For use with surface mount LEDs
- Clear polycarbonate UL 94-V0
- RoHS Compliant
Panel Mount Moisture Sealed Linear Light Pipes

LSS SERIES
3mm 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” (4.34mm) 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
5mm 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” (7.14mm) 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
8mm 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
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Light Pipe for Intelligent Control Units
LEARN MORE

Smart Parking Meter with Flexible Light Pipe
LEARN MORE
Panel Mount Flexible Light Pipes

FLX3 SERIES

3mm 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" (4.34mm) 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

5mm 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" (4.75mm) 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" (7.12mm) panel mounting hole
- ESD protection from circuitry
- Available length 4.0"
- Clear lens color
- 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" (7.97mm) panel mounting hole
- ESD protection device
- Available lengths from 4.0" 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" (10.1mm) panel mounting hole
- Clear or black anodized finish
- ESD protection
- RoHS compliant
### Board Mount Right Angle Light Pipes

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<tr>
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<th>7511C2</th>
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<tbody>
<tr>
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**Board Mount Right Angle Light Pipes**
- Wide range of 1 Position, 2 Position, and 3 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

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**Have a Project That Needs a Light Pipe?**
Let us help you find or create the perfect illuminated solution