## Exceptional Portfolio - Light Pipes

### PANEL MOUNT LINEAR LIGHT PIPES

<table>
<thead>
<tr>
<th>Series</th>
<th>Fiber Optic</th>
<th>View Angle</th>
<th>Profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>LMC</td>
<td>2.5 mm / 0.10&quot; Fresnel</td>
<td>160°</td>
<td>Low Profile</td>
</tr>
<tr>
<td>LFB</td>
<td>3.0 mm / 0.12&quot; Diffused Lens</td>
<td>180°</td>
<td>Low Profile</td>
</tr>
<tr>
<td>LSV</td>
<td>3.0 mm / 0.12&quot; Fits SMB_200</td>
<td>180°</td>
<td>Low Profile</td>
</tr>
<tr>
<td>LPC</td>
<td>4.3 mm / 0.17&quot; Fresnel</td>
<td>160°</td>
<td>Low Profile</td>
</tr>
<tr>
<td>LPCR</td>
<td>4.3 mm / 0.17&quot; Fresnel</td>
<td>160°</td>
<td>Low Profile</td>
</tr>
<tr>
<td>LCV</td>
<td>5.0 mm / 0.20&quot; Diffused Lens</td>
<td>180°</td>
<td>Low Profile</td>
</tr>
<tr>
<td>LFC</td>
<td>5.0 mm / 0.20&quot; Diffused Lens</td>
<td>180°</td>
<td>Low Profile</td>
</tr>
</tbody>
</table>

### PANEL MOUNT MOISTURE SEALED LINEAR LIGHT PIPES

<table>
<thead>
<tr>
<th>Series</th>
<th>Fiber Optic</th>
<th>View Angle</th>
<th>Profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSS</td>
<td>4.34 mm / 0.171&quot;</td>
<td>180°</td>
<td>Low Profile</td>
</tr>
<tr>
<td>LMS</td>
<td>7.14 mm / 0.281&quot;</td>
<td>180°</td>
<td>Low Profile</td>
</tr>
<tr>
<td>LCS</td>
<td>7.92 mm / 0.312&quot;</td>
<td>180°</td>
<td>Low Profile</td>
</tr>
<tr>
<td>LPCM</td>
<td>4.40 mm / 0.173&quot;</td>
<td>Panel Flush</td>
<td>Low Profile</td>
</tr>
</tbody>
</table>

### BOARD MOUNT LINEAR LIGHT PIPES

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

### BOARD MOUNT RIGHT ANGLE LIGHT PIPES

- 7511A73
- 7511A87
- 7511G5
- 7513D2-L
- 7511A22
- 7511B66
- 7512A7
- 7511B61
- 7511B11
- 7511B12-C
- 7512D2
- 7512A5-4-A

### PANEL MOUNT FLEXIBLE LIGHT PIPES

<table>
<thead>
<tr>
<th>Series</th>
<th>Fiber Optic</th>
<th>View Angle</th>
<th>Profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLX3</td>
<td>4.3 mm / 0.17&quot;</td>
<td>Fiber Optic Fits SMD_200, SML_190 &amp; SMQ_250 Lens</td>
<td></td>
</tr>
<tr>
<td>FLX</td>
<td>6.4 mm / 0.25&quot;</td>
<td>Fiber Optic Fits CLF_280, CLB_300, CLR_301 &amp; SQB_400 Lens</td>
<td>Wide View Angle</td>
</tr>
<tr>
<td>7512F</td>
<td>4.8 mm / 0.19&quot;</td>
<td>Fiber Optic Low Profile</td>
<td></td>
</tr>
</tbody>
</table>

### MOISTURE-SEALED FLEXIBLE LIGHT PIPES

<table>
<thead>
<tr>
<th>Series</th>
<th>Fiber Optic</th>
<th>View Angle</th>
<th>Profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLX_322</td>
<td>7.1 mm / 0.28&quot;</td>
<td>Fiber Optic w/Fresnel Lens, Seal &amp; Retainer Ring</td>
<td></td>
</tr>
<tr>
<td>FLX_44X</td>
<td>7.9 mm / 0.31&quot;</td>
<td>Fiber Optic w/Lens, Threaded Seal, Lockwasher, &amp; Retainer Ring</td>
<td></td>
</tr>
<tr>
<td>FLXR</td>
<td>10.1 mm / 0.40&quot;</td>
<td>Fiber Optic NEMA4 Threaded w/Seal, Lockwasher, &amp; Retainer Ring</td>
<td></td>
</tr>
</tbody>
</table>
## 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
- 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

### 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

### LFC SERIES

**5 mm Rigid Light Pipe**
- 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

### LCR 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

### LPCR 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

---

![Image](vcclite.com) 1.800.522.5546
Panel Mount Moisture Sealed Linear Light Pipes

LSS SERIES

3 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 0.171” (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

vcclite.com 1.800.522.5546
## 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
Are you ready for next level illuminated components?

<table>
<thead>
<tr>
<th>Model</th>
<th>Image</th>
<th>Description</th>
</tr>
</thead>
</table>
| 7511B12-C | ![Image](image1) | 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 |
| 7513D2-L | ![Image](image2) | |
| 7511A22 | ![Image](image3) | |
| 7514B2-4 | ![Image](image4) | |
| 7511B66 | ![Image](image5) | |
| 7512D2 | ![Image](image6) | |
| 7512A7 | ![Image](image7) | |
| 7511G5 | ![Image](image8) | |
| 7511B61 | ![Image](image9) | |
| 7511B11 | ![Image](image10) | |
| 7511A73 | ![Image](image11) | |
| 7511A87 | ![Image](image12) | |