LFB Series 3mm Press Fit, Low Profile Diffused Rigid Light Pipe

LFB Series litepipe™ features diffused round 3mm surface for super wide viewing angle at 120 degrees

**Applications**
- audio/video
- communication
- darkroom equipment
- electrical panels
- entertainment
- industrial
- medical
- IoT
- security
- studio control
- transportation

**Key features**
- for use with surface-mount or through-hole LEDs
- optical grade polycarbonate for maximum light transmission
- low profile, flush panel design
- wide viewing angle at 120 degrees
- frosted surface diffuses light and provides uniform brightness and a soft glow
- press fit (front panel mount) with crushable ribs that simplifies installation
- no physical connection between light pipe and LED provides versatility for assembly
- standard lengths from 0.125” to 1.000”
- custom lengths available
- optional RTN112 retainer provides a reliable solution for high-vibration environments

**Dimensions**

```
Ø0.112 +0.002
-0.003
[Ø2.84 +0.055]
-0.08

0.030±0.020
[0.76±0.51]

Ø0.118 +0.003
-0.002
[Ø3.00 +0.08]
-0.05

0.030±0.020
[0.76±0.51]

LENGTH±0.010
“SEE ORDERING DATA”
```

Dimensions in inches [mm]
Product Specifications

<table>
<thead>
<tr>
<th>Material</th>
<th>Installation Specification</th>
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</thead>
<tbody>
<tr>
<td>Polycarbonate, clear, UL 94-V0</td>
<td>mounting hole</td>
</tr>
<tr>
<td></td>
<td>panel thickness</td>
</tr>
</tbody>
</table>

Recommendation: Maximum air gap (clearance) between LED and light pipe for best performance:
- 0.020” for wide viewing angle LED
- 0.050” for narrow viewing angle LED

Ordering Data

<table>
<thead>
<tr>
<th>LFB</th>
<th>CTP</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Length</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>012 0.125” (3.2mm)</td>
<td></td>
</tr>
<tr>
<td>025 0.250” (6.4mm)</td>
<td></td>
</tr>
<tr>
<td>035 0.350” (8.9mm)</td>
<td></td>
</tr>
<tr>
<td>037 0.375” (9.5mm)</td>
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</tr>
<tr>
<td>050 0.500” (12.7mm)</td>
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<tr>
<td>063 0.625” (15.9mm)</td>
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</tr>
<tr>
<td>075 0.750” (19.0mm)</td>
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<tr>
<td>100 1.000” (25.4mm)</td>
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</tbody>
</table>

Optional Accessory

Retainer for LFB Series 3mm Light Pipe (order separately)
Ordering Number: RTN112
- recommended for high vibration applications
- secure and uniform placement of the light pipe to the panel
- field-proven design

Please see datasheet RTN112 for more details

Compliance & Approvals

- REACH
- RoHS Compliant
- Wide Viewing