LFC Series 5mm Press Fit, Low Profile Diffused Rigid Light Pipe

LFC Series litepipe™ features diffused round 5mm 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 LED
• 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
• RTN125 retainer provides a reliable solution for high-vibration environments (optional)

Dimensions

Dimensions in inches [mm]
Product Specifications

<table>
<thead>
<tr>
<th>Material</th>
<th>Installation Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polycarbonate, clear, UL 94-V0</td>
<td>mounting hole 0.155&quot; +0.003/-0.002 (3.94mm +0.08/-0.05)</td>
</tr>
<tr>
<td></td>
<td>panel thickness 0.040&quot; (1.02mm) to 0.093&quot;(2.36mm)</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>Length</th>
<th>Order Number: RTN125 Retainer for LFC Series 5mm Light Pipe (order separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>012</td>
<td>0.125&quot; (3.2mm) recommended for high vibration applications</td>
</tr>
<tr>
<td>025</td>
<td>0.250&quot; (6.4mm) secure and uniform placement of the light pipe to the panel</td>
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<tr>
<td>035</td>
<td>0.350&quot; (8.9mm) field-proven design</td>
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<tr>
<td>037</td>
<td>0.375&quot; (9.5mm)</td>
</tr>
<tr>
<td>050</td>
<td>0.500&quot; (12.7mm)</td>
</tr>
<tr>
<td>063</td>
<td>0.625&quot; (15.9mm)</td>
</tr>
<tr>
<td>075</td>
<td>0.750&quot; (19.0mm)</td>
</tr>
<tr>
<td>100</td>
<td>1.000&quot; (25.4mm)</td>
</tr>
</tbody>
</table>

Optional Accessory

Retainer for LFC Series 5mm Light Pipe (order separately)

Ordering Number: RTN125

- recommended for high vibration applications
- secure and uniform placement of the light pipe to the panel
- field-proven design

Please see datasheet RTN125 for more details

Compliance & Approvals

[REACH logo] [RoHS logo] [Wide Viewing logo]

Please see datasheet RTN125 for more details