LPCR Series 0.171” (4.34mm)
Press Fit, Low Profile, Fresnel Lens
Vertical Rigid Light Pipe

LPCR Series litepipe™ features fresnel lens round surface for super wide viewing angle at 160 degrees

Applications

- audio/video
- communication
- dark room 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 160 degrees
- fresnel lens provides more uniform brightness
- 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
- RTN_150 and RTN_250 retainers provide a reliable solution for high-vibration environments (optional)

Dimensions

```
Ø0.170  + 0.001  - 0.004
[Ø4.32] + 0.03  - 0.10

0.151± 0.005
[1.3 ± 0.13]

0.030± 0.005
[0.8 ± 0.13]

Ø 0.190
[Ø 4.826]

LENGTH±0.012 [+0.30]
“SEE ORDERING DATA”
```

Dimensions in inches [mm]
Product Specifications

<table>
<thead>
<tr>
<th>Material</th>
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<tbody>
<tr>
<td>Polycarbonate, clear, UL 94-V0</td>
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<table>
<thead>
<tr>
<th>Recommended Installation Specifications</th>
</tr>
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<tbody>
<tr>
<td>mounting hole</td>
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<tr>
<td>0.171” + 0.002” (4.34mm + 0.05mm)</td>
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<tr>
<td>panel thickness</td>
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<tr>
<td>0.040” (1.02mm) to 0.093” (2.36mm)</td>
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Recommendation: Maximum (clearance) between LED and light pipe:
• 0.050” [1.3mm]

Ordering Data and Optional Accessory

LPCR [ ] CTP

<table>
<thead>
<tr>
<th>Length</th>
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<tbody>
<tr>
<td>012 0.125” (3.2mm)</td>
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<tr>
<td>025 0.250” (6.4mm)</td>
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<tr>
<td>035 0.350” (8.9mm)</td>
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<td>037 0.375” (9.5mm)</td>
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<tr>
<td>050 0.500” (12.7mm)</td>
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<tr>
<td>063 0.625” (15.9mm)</td>
</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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Retainers for Light Pipe (order separately):
• recommended for high vibration applications
• secure and uniform placement of the light pipe to the panel
• field-proven design

RTN_150
Length from 0.250” to 0.500”
Grommet for LPCR Series Light Pipe

RTN_250
Length from 0.500” to 1.000”
Spring retainer for LPCR Series Light Pipe

Compliances and Approvals

Reach Compliant
RoHS Compliant

www.vcclite.com 1.800.522.5546
10/17 Rev 1