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
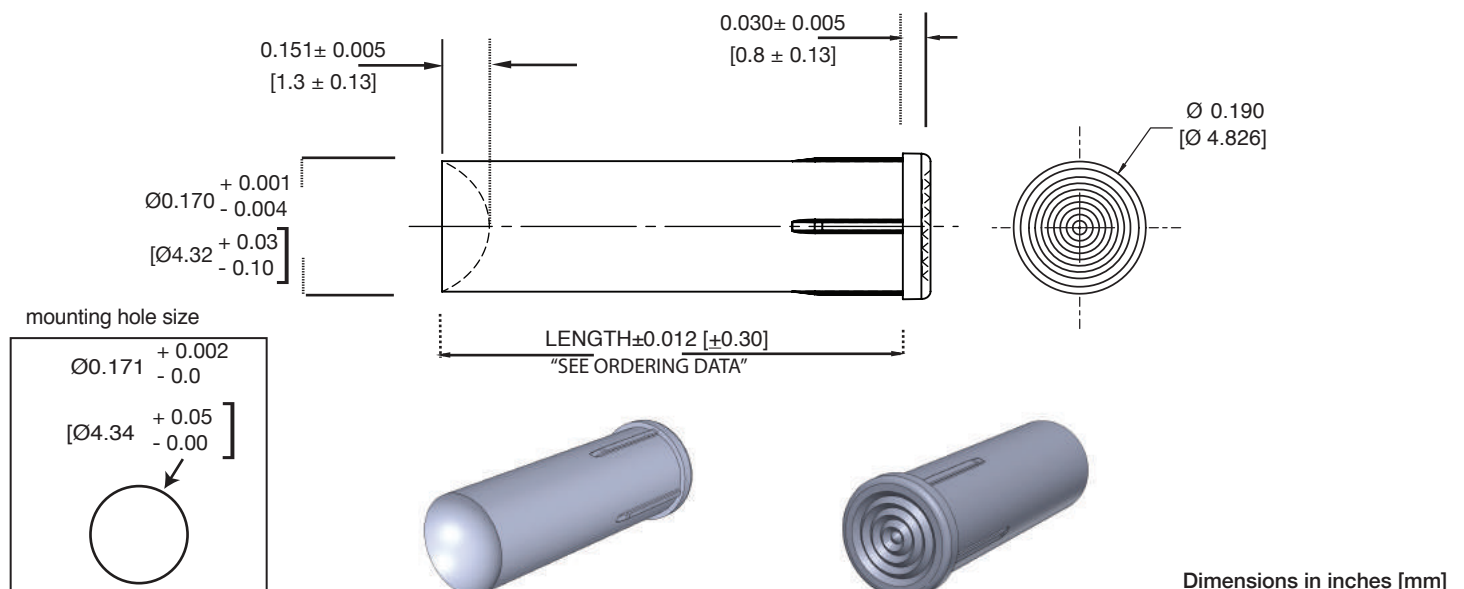
Applications

- 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

0.151± 0.005
[1.3 ± 0.13]

0.030± 0.005
[0.8 ± 0.13]

Ø 0.190
[Ø 4.826]

Ø0.170 $^{+0.001}_{-0.004}$
[Ø4.32 $^{+0.03}_{-0.10}$]

LENGTH±0.012 [±0.30]
"SEE ORDERING DATA"

mounting hole size

Ø0.171 $^{+0.002}_{-0.0}$
[Ø4.34 $^{+0.05}_{-0.00}$]

Dimensions in inches [mm]

Product Specifications

Material
Polycarbonate, clear, UL 94-V0

Recommended Installation Specifications	
mounting hole	0.171" + 0.002" (4.34mm + 0.05mm)
panel thickness	0.040" (1.02mm) to 0.093"(2.36mm)

Recommendation: Maximum (clearance) between LED and light pipe:
• 0.050" [1.3mm]

Ordering Data and Optional Accessory

LPCR☐☐CTP

	Length
012	0.125" (3.2mm)
025	0.250" (6.4mm)
035	0.350" (8.9mm)
037	0.375" (9.5mm)
050	0.500" (12.7mm)
063	0.625" (15.9mm)
075	0.750" (19.0mm)
100	1.000" (25.4mm)

160°
ANGLE

RTN 250
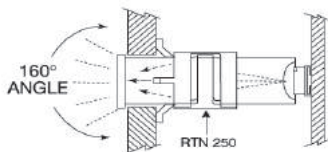
Retainers for Light Pipe (order separately):

• 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
COMPLIANCE

RoHS
COMPLIANT

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[VCC](): LPCR075CTP LPCR050CTP LPCR063CTP LPCR025CTP LPCR100CTP LPCR035CTP LPCR037CTP LPCR012CTP