



## 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

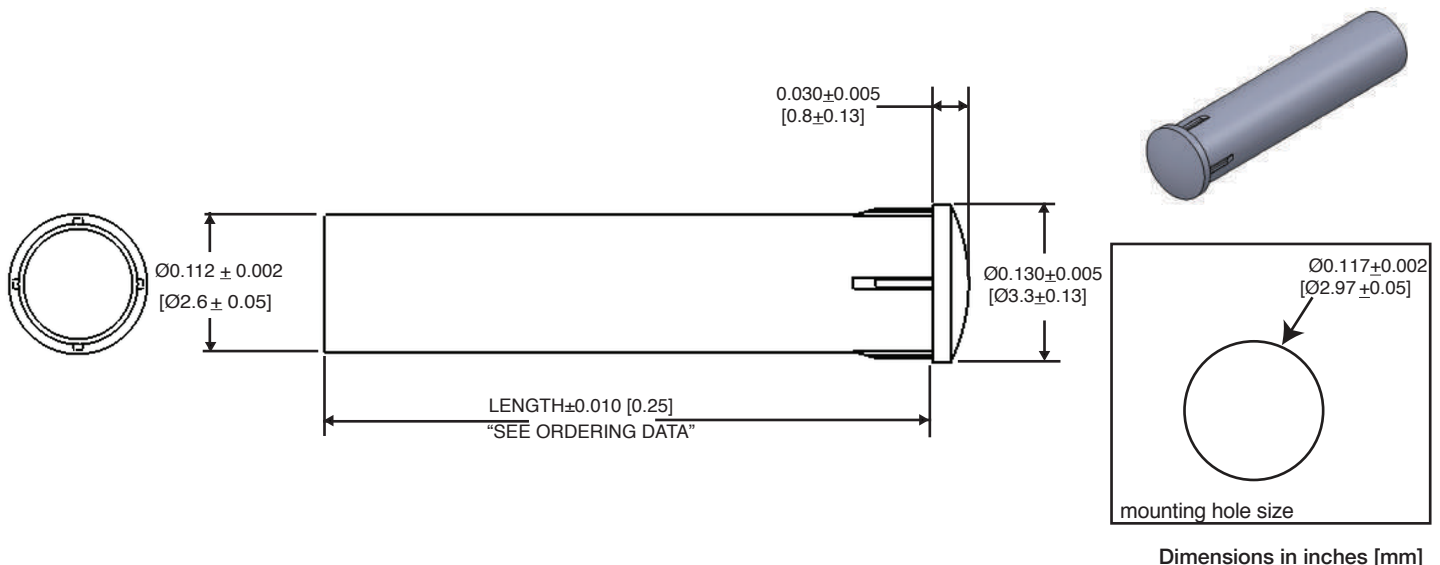
### Applications

- audio/video
- communication
- darkroom equipment
- entertainment
- industrial
- medical
- IoT
- 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
- Operating Temp:-40C~80C
- 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
- RTN112 retainer provides a reliable solution for high-vibration environments (optional)

### Dimensions



## Product Specifications

Material
Polycarbonate, clear, UL 94-V0

Installation Specification	
mounting hole	0.117" $\pm$ 0.002 (2.97 mm $\pm$ 0.05)
panel thickness	0.040" (1.02mm) to 0.093" (2.36mm)

Recommendation: Maximum air gap (clearance) between LED and light pipe for best performance:

- 0.020" [0.5mm] for wide viewing angle LED
- 0.050" [1.3mm] for narrow viewing angle LED

## Ordering Data and Optional Accessory

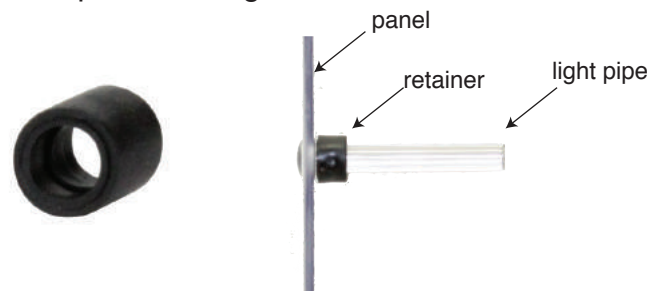
LFB  CTP

	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)

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

## Compliances and Approvals

