



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

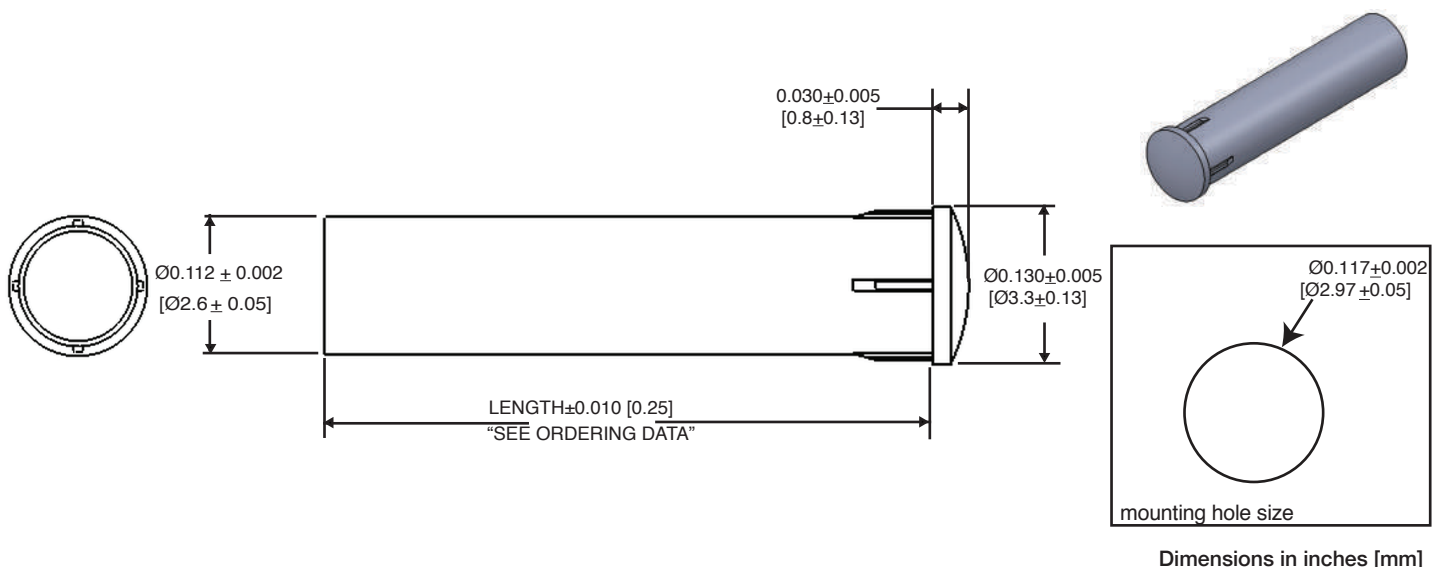
Applications

- 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
- 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

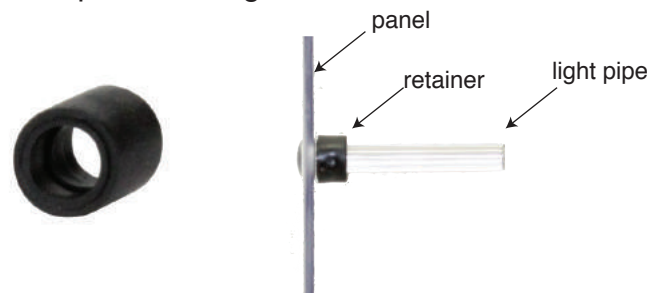
LFB CTP

| | 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

