

LFB Series

Ø 0.118" (3mm) Press Fit, Low Profile Diffused Rigid Light Pipe



LFB Series features diffused round 3mm surface provides uniform brightness, a soft glow and a wide viewing angle at 120 degrees.



Applications

- Audio/Video
- Communication
- Darkroom Equipment
- Industrial
- Entertainment
- 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 temperature: -40°F~176°F (-40°C~80°C)
- 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"
- RTN112 retainer provides a reliable solution for high-vibration environments (optional)
- For custom length contact VCC
- RoHS and REACH Compliant

Ordering Data

Series	Length	Color
LFB	012	CTP
	012	Clear
	025	
	035	
	037	
	050	
	063	
	075	
	100	

Accessories (Order Separately)

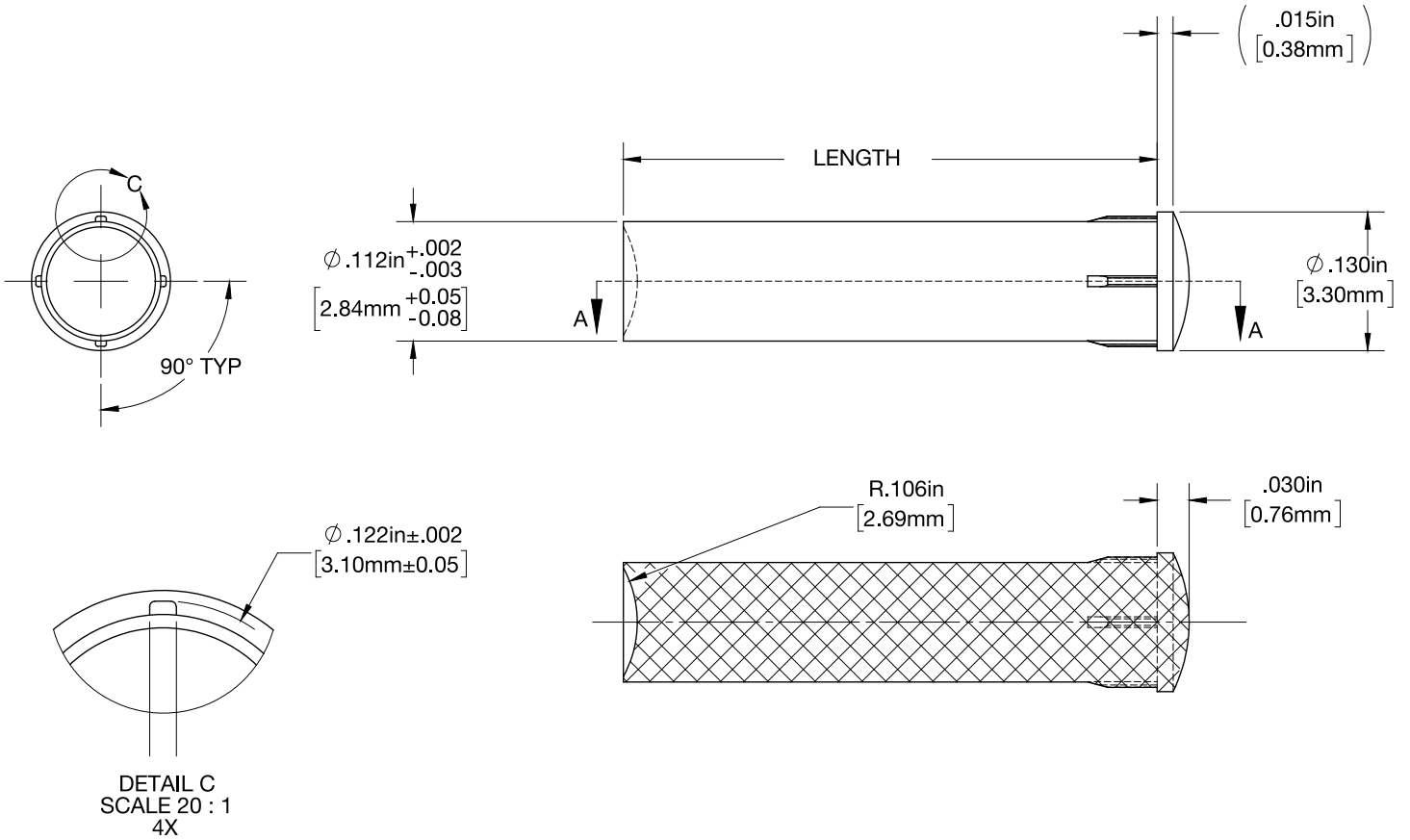


RTN112

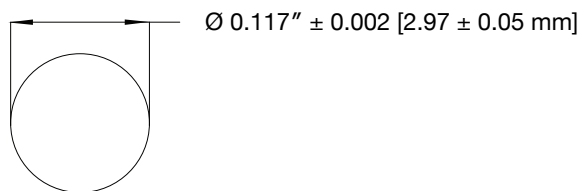
- Retainer for LFB Series 3mm Light Pipe
- Recommended for high vibration applications
 - Secure and uniform placement of the lightpipe to the panel
 - Field-proven design



Product Dimensions



Recommended Mounting Hole



Notes:

1. All dimensions are in inches [millimeters]
2. Tolerance is $\pm 0.005"$ [0.1mm] unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

Product Specifications

Materials

Body	Polycarbonate, Clear UL 94-V0
------	-------------------------------

Temperature Specifications

Operating Temperature	-40°F~176°F (-40°C~80°C)
-----------------------	--------------------------

Installation Specifications

Diameter	Ø 0.117" ± 0.002 [2.97 ± 0.05 mm]
Standard Lengths	0.125" to 1.000" (3.2mm to 25.4mm)

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

Compliances and Approvals

