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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	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)

Clear

Accessories (Order Separately)



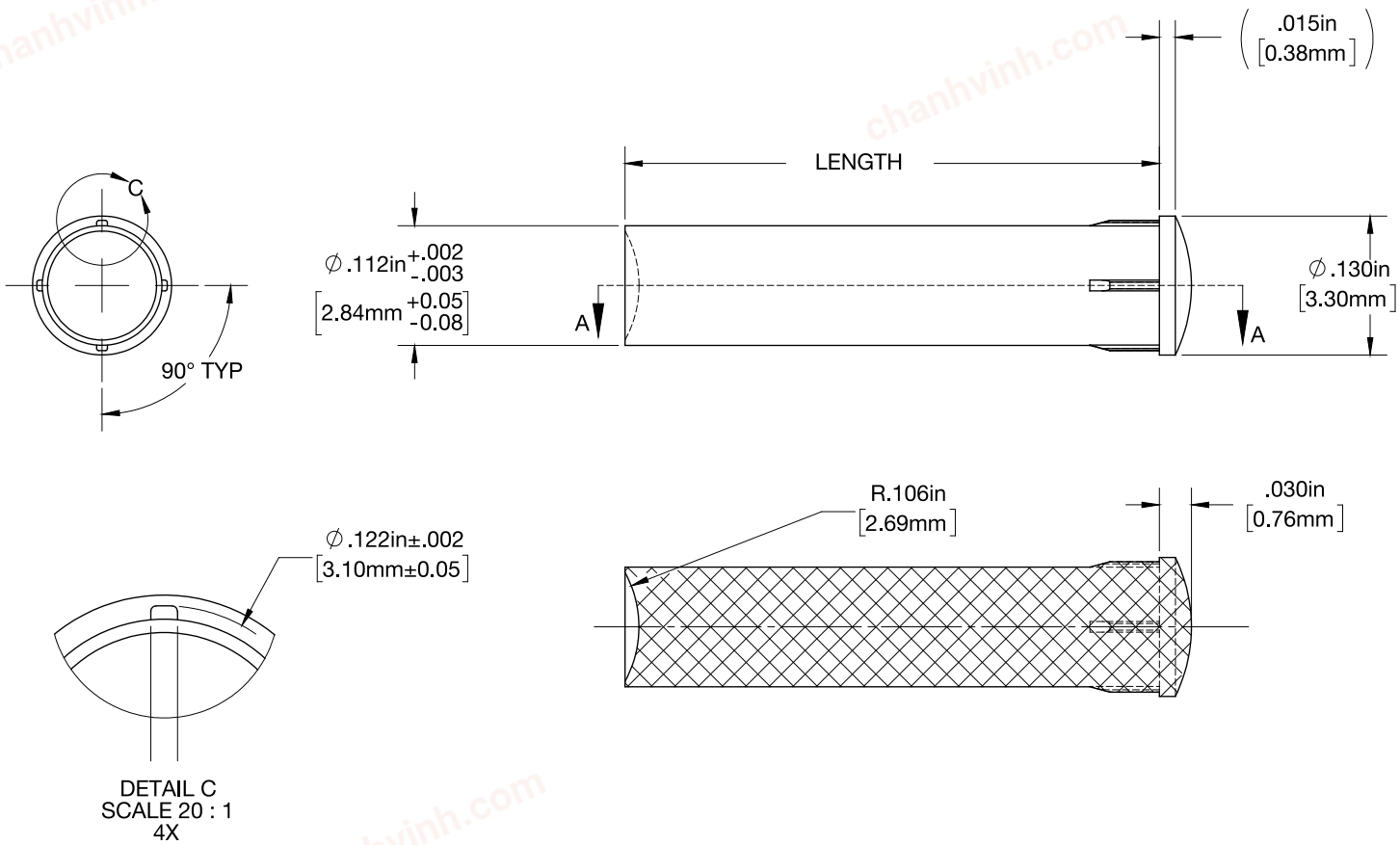
RTN112

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

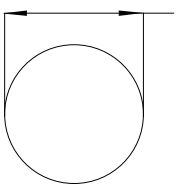


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Product Dimensions



Recommended Mounting Hole



Ø 0.118″ ± 0.002 [2.99 ± 0.05 mm]

Notes:
1. All dimensions are in inches [millimeters]
2. Tolerance is ± 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 0.118″ ± 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