

LFBR Series 3mm (0.118") Reverse Panel Mount Press Fit Rigid Lightpipes



LFBR 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

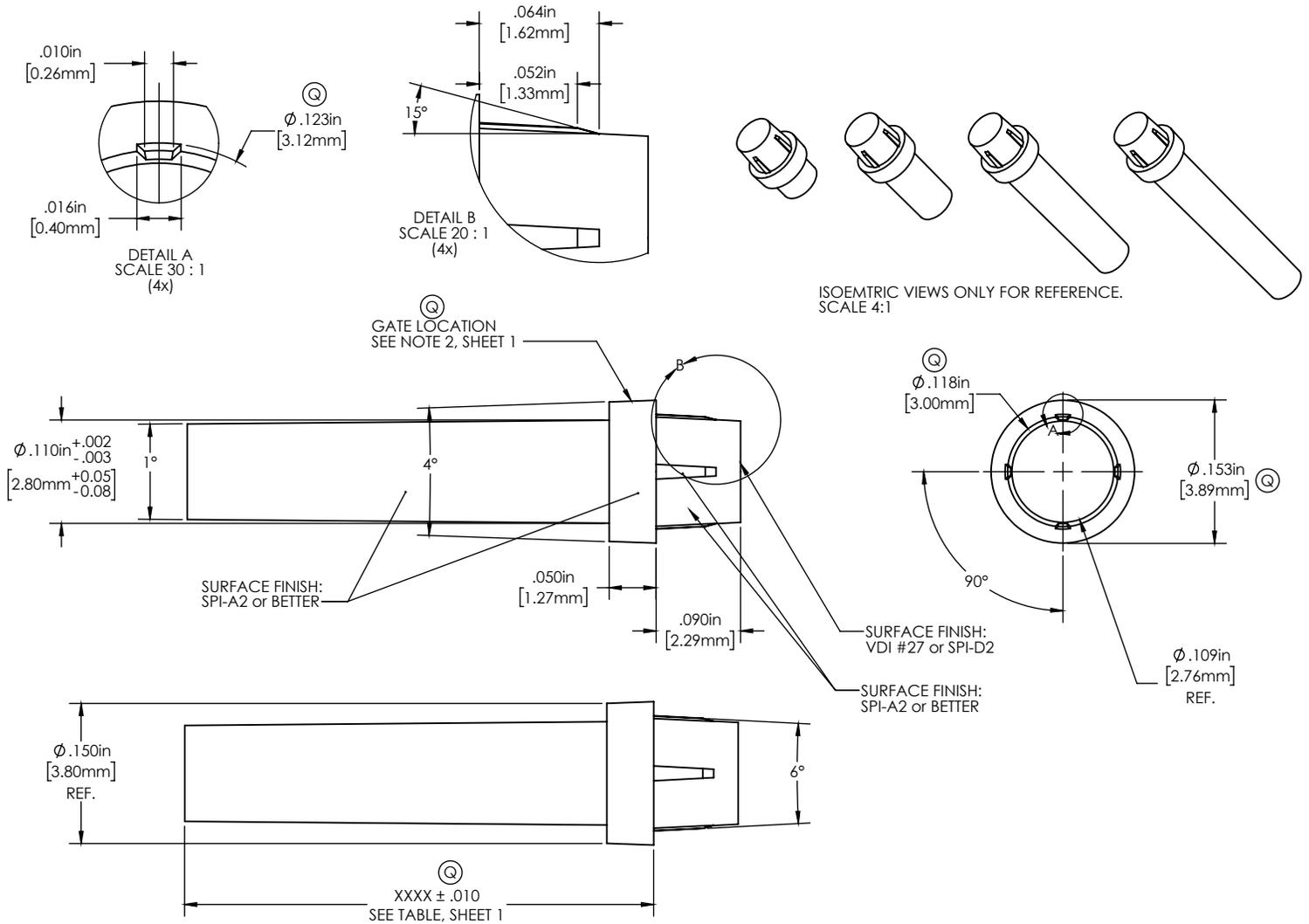
- Optical-grade polycarbonate delivers superior light transmission.
- Will not yellow or tarnish in high-UV or high-moisture environments.
- UL94-V0 rating ensures secure fire-retardant performance.
- UL746CF1 rating for reliable outdoor use.
- Enhanced resin system provides additional mechanical & optical stability for harsh or damp conditions.
- Reverse-mount design accommodates products where the PCB is difficult to reach.
- Press-fit mounting and crushable ribs simplify installation and assembly.
- Dome lens options provide wide viewing angle.
- Flat lens options support low profile panel designs.
- Standard length options from .100" to .830" .
- RoHS and REACH compliant.
- Compatible with single and multi-color SMD LEDs, such as VCC's SpectraBright, LSM, CMD15, CMD17, VAOL series, and other light sources.

Ordering Data

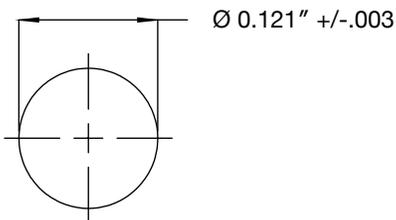
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Product Dimensions - Flat



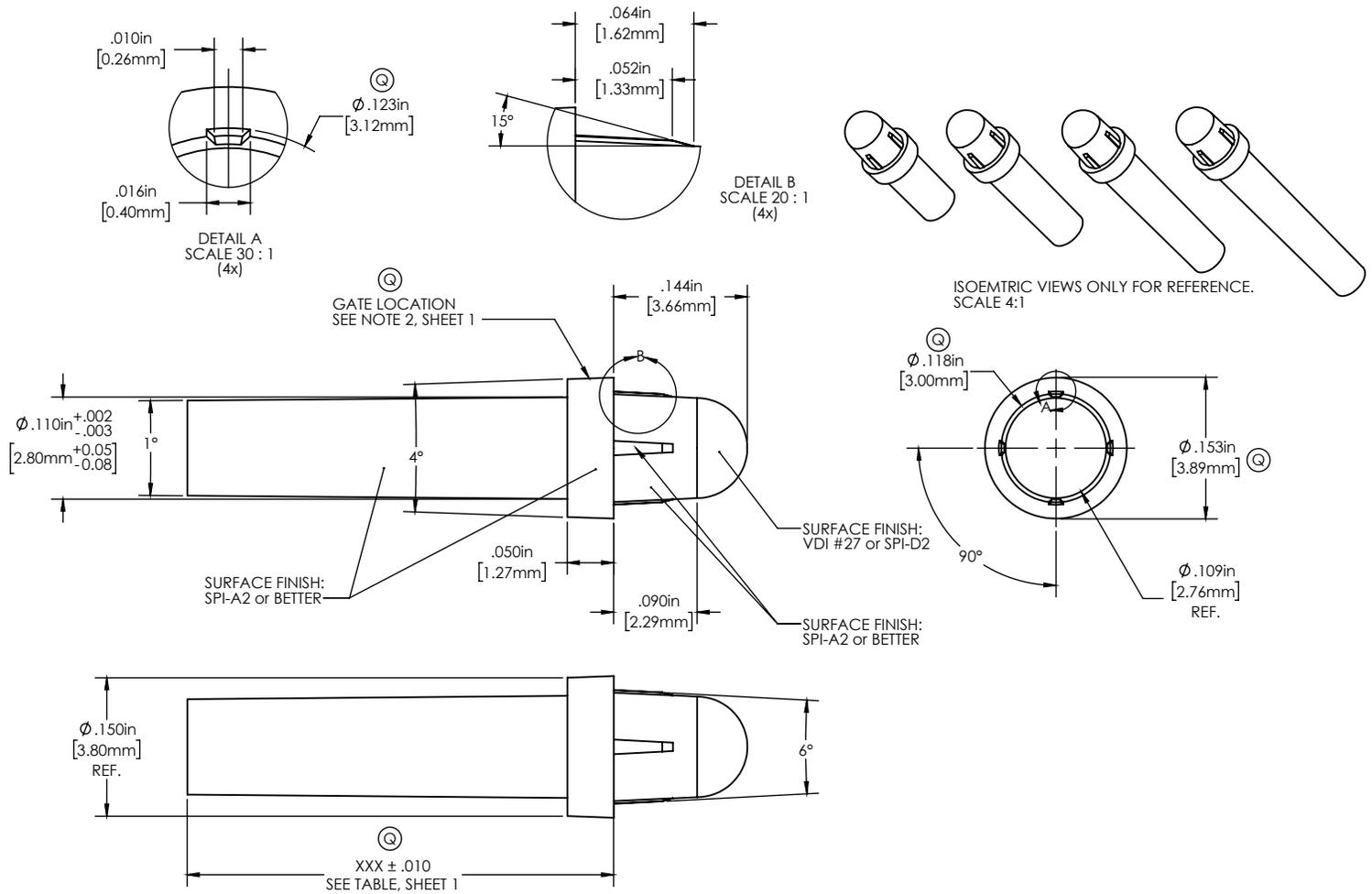
Recommended Mounting Hole



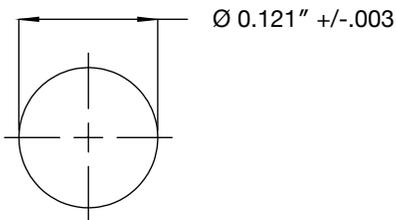
Notes:

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 Dimensions - Domed



Recommended Mounting Hole



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Product Specifications

Materials	
Body	Polycarbonate, Clear UL94-V0

Temperature Specifications	
Operating Temperature	-40° to 248F (-40° to 120C)

Installation Specifications	
Diameter	Ø 0.121" +/-0.003 (3.07+/- 0.05mm)
Standard Lengths	.100" to 830" (2.5mm to 21.1mm)

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

