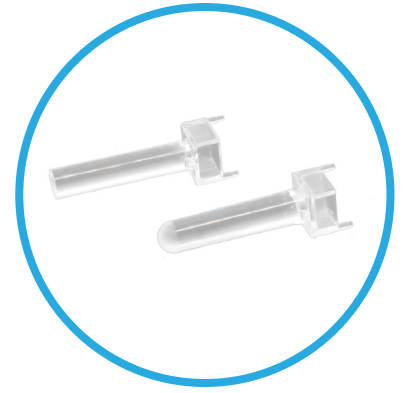
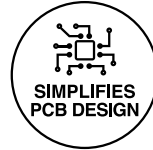
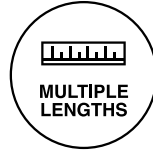
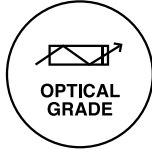


# VBL Series

## Ø 0.118" (3mm) PCB Mounted Light Pipe for Surface Mount LED



VBL Series features vertical press-fit board mount LED light pipes available in a range of different lengths with either a flat or a domed top.



### Applications

- Audio/Video
- Industrial Robots
- Darkroom Equipment
- Agriculture
- Entertainment
- Medical
- IoT
- Data Center Solutions
- Transportation Power Systems

### Key Features

- Rigid board mount light pipe for surface mount LEDs
- 3mm round lens with either a domed or flat face
- The VBL light pipes are mounted onto the PCB using push-fit lugs in close proximity to the LED
- Features a press-fit installation into the PCB board which simplifies installation and enables faster assembly
- Protects LED from ESD
- Optical grade polycarbonate for maximum light transmission
- View viewing angle: Flat 80 degree, Dome 20 degree
- Frosted surface diffuses light and provides uniform brightness and a soft glow
- Operating temp: -40°F~239°F (-40°C~115°C)
- Standard lengths from 0.20" to 1.000"
- For custom length contact VCC
- RoHS and REACH Compliant

# Ordering Data

Series	Diameter	Shape	Overall Length	Color
VBL	3	D	0200	C
	3   3mm	D   Dome F   Flat	0200   .2" (5.1mm) 0250   .25" (6.4mm) 0300   .3" (7.6mm) 0350   .35" (8.9mm) 0400   .4" (10.2mm) 0450   .45" (11.4mm) 0500   .5" (12.7mm) 0550   .55" (13.9mm) 0600   .6" (15.2mm) 0700   .7" (17.8mm) 0800   .8" (20.3mm) 0900   .9" (22.8mm) 1000   1.0" (25.4mm)	C   Clear

\*Custom lengths available upon request



Example:

**VBL3D0900C**

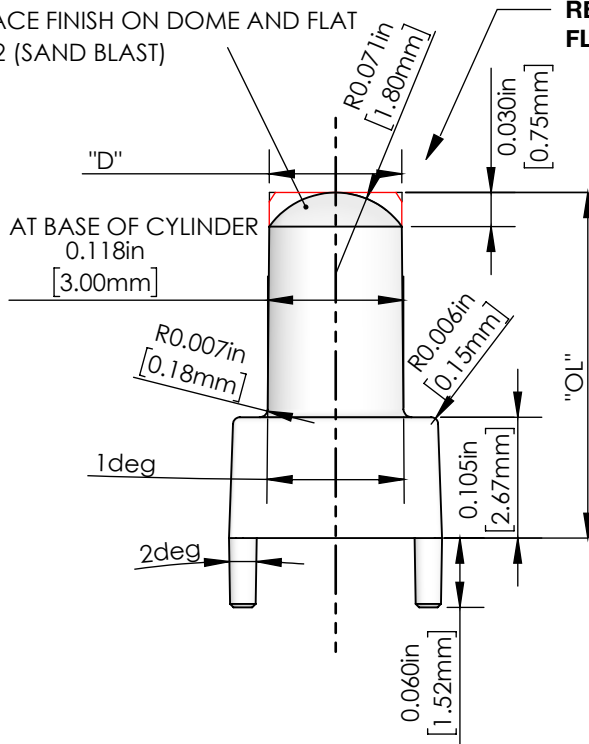
VBL Series, PCB mount, .9" (22.8mm) Overall Length, Dome Shape, Clear

# Product Dimensions

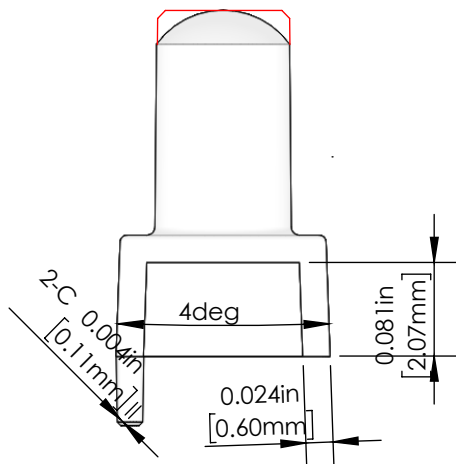
## VBL Series

SURFACE FINISH ON DOME AND FLAT  
SPI-D2 (SAND BLAST)

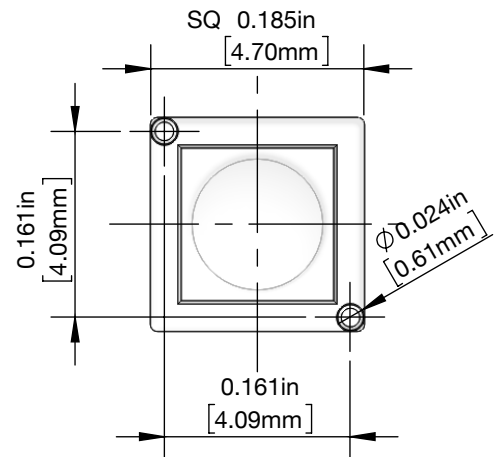
RED LINES ARE REPRESENTED  
FLAT SERIES



Overall Length (OL)
.2" (5.1mm)
.25" (6.4mm)
.3" (7.6mm)
.35" (8.9mm)
.4" (10.2mm)
.45" (11.4mm)
.5" (12.7mm)
.55" (13.9mm)
.6" (15.2mm)
.7" (17.8mm)
.8" (20.3mm)
.9" (22.8mm)
1.0" (25.4mm)



## Mounting Hole Pattern



### Notes:

1. All dimensions are in inches [millimeters]
2. Tolerance is  $\pm 0.005\text{in}$  [ $0.1\text{mm}$ ] 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~239°F (-40°C~115°C)

Installation Specifications	
Diameter	Ø 0.118" (3mm)
Standard Lengths	.2" to 1.0" (5.1mm to 25.4mm)

## Compliances and Approvals

