



FLX3 Series

.171" Dia 6.0" Flexible Light Pipe

3mm Flexible Light Pipe available in different lengths from 2.0" to 12.0". Fit into a hole on 0.171" (4.34mm)



Product Specifications

- Materials:

Fiber optic: \varnothing 1.5mm optical core, \varnothing 2.2mm polyethylene cable jacket

Lens mount: optical grade acrylic

LED mounts: for SMD_22 & THR_22 - nylon 66, UL rating 94-V2, and for THR_5_22 - nylon 66, UL rating 94-HB

Lens: polycarbonate, UL rating 94-V2

Lens spacer: polypropylene

- Optical core ends polished to 10 microns
- Panel mounting hole: $.171" \pm .002$ ($4.34\text{mm} \pm 0.05$) on $1/4"$ (6.35mm) centers
- Panel thickness for SML_190: $1/32"$ (0.79mm) to $1/16"$ (1.60mm); SMB_200 and SMQ_250: $1/16"$ (1.60mm) to $1/8"$ (3.48mm)
- Minimum bend radius: 40mm
- For added security for SMB_200 and SMQ_250 use SPC_040 spacer
- For best results use only narrow viewing angle non-diffused
- LEDs with output power greater than 100mcd
- U.S. and foreign patents issued
- The flexible fiber-optic is Polymethyl-Methacrylate Resin (core) and Fluorinated Polymer (cladding).
- The assembly can be stored and operated from -55C to $+77\text{C}$ (-67F to 170F).
- It should be noted that at lower temperatures flexibility (and ability to resist fracture) of the plastics is decreased.
- Fit's SMB_200, SML_190 and SMQ_250 Series (sold separately)
- SMB_200 lens and SMQ_250 lens use SPC_040 spacer (sold separately)
- Fit's the following LED mounts: SMD_22, THR_22 and THR_5_22 (sold separately)
- Compliant with RoHS and REACH requirements

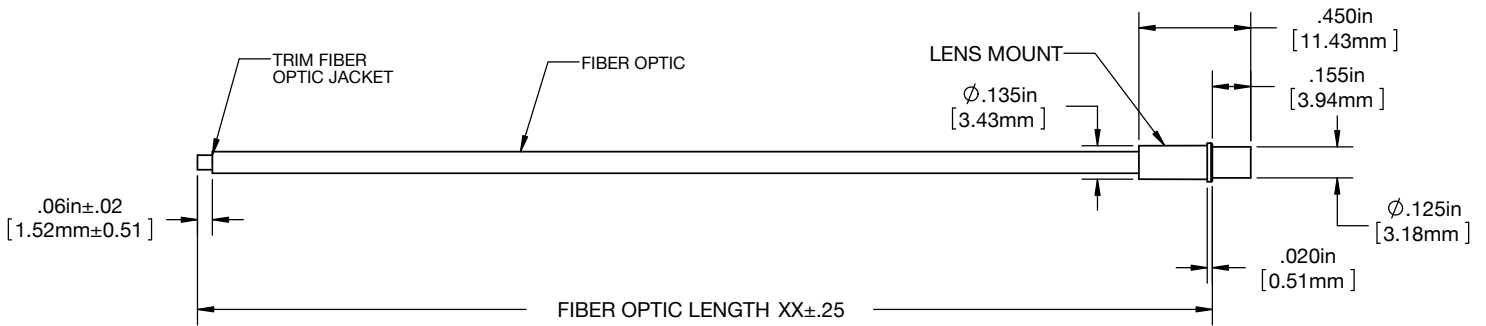
Ordering Data

Lite pipe assembly ordering code (example): **FLX3 XX**

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Length	
Length Code	Actual Length
02	2.0"
04	4.0"
06	6.0"
08	8.0"
12	12.0"
Custom lengths available upon request	

Product Dimensions



Lens (Order Separately)		
SMB_200	SML_190	SMQ_250

Mounting Options (Order Separately)		
SMD_22	THR_22	THR_5_22

Dimensions Style Inches [MM] General Tolerances Unless Otherwise Specified		
	Inches	Length
.X	$\pm .020$	$\pm .508$
.XX	$\pm .015$	$\pm .381$
.XXX	$\pm .005$	$\pm .127$
Angle $\pm 1^\circ$		
Break All Corners And Sharp Edges .030 Max		
 Third Angle Projection		



Compliances and Approvals

