

FLX Series

5mm Round Flexible Board Mount Light Pipe .250" Dia.



FLX Series is a flexible board mount light pipe available in different lengths from 2.0" to 12.0".

Applications

- Aircraft and Military
- Disinfection Environments
- Electrical Control Panels
- Industrial machinery
- Instrument Panels
- Outdoor Signage
- Safety Applications
- Transportation Dashboards
- Vending and Gaming Machines

Key Features

- 5mm Flexible Light Pipe Fiber Optic: \varnothing 1.5mm optical core, pi 2.2mm outer diameter with polyethylen jacket
- Lens Mount: Optical grade acrylic
- LED Mounts: For SMD_22 & THR_22 - Nylon 66, UL Rating 94-V2 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 $\varnothing.250 \pm .002$ [$\varnothing 6.35 \text{mm} \pm .05$] panel hole on .375 [9.5mm] centers
- Panel thickness for CLF 280: 1/16" (1.60mm) to 1/8" (3.18mm); CLB 300 and CLR 301
- For panels less than 0.125"(3.2mm) use SPC_125 spacer
- NA (Numerical Aperture): 0.5
- For added security use RNG_268
- Operating and storage temperature range: $-55^{\circ} \sim 70^{\circ}\text{C}$
- For best results use only narrow viewing angle non-diffused leds with output power greater than 100mcd
- Minimum bend radius: 40mm
- U.S. And foreign patens issued
- For custom light pipe length contact VCC
- RoHS and REACH Compliant

Ordering Data

Series	Light Pipe Length											
FLX	-	12										
		<table border="1"> <tbody> <tr> <td>02</td> <td>2in (50.8mm)</td> </tr> <tr> <td>04</td> <td>4in (101.6mm)</td> </tr> <tr> <td>06</td> <td>6in (152.4mm)</td> </tr> <tr> <td>08</td> <td>8in (203.2mm)</td> </tr> <tr> <td>12</td> <td>12in (304.8mm)</td> </tr> </tbody> </table>	02	2in (50.8mm)	04	4in (101.6mm)	06	6in (152.4mm)	08	8in (203.2mm)	12	12in (304.8mm)
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*Custom lengths available upon request

Example



Accessories (Order Separately)

LED Adapter Options



SMD_22
For SMD



THR_22
For T-1 LED



THR_5_22
For T-1 3/4 LED

Lens Options



CLF_280
 ● CLF_280_ATP
 ● CLF_280_BTP
 ○ CLF_280_CTP
 ● CLF_280_GTP
 ○ CLF_280_GLO
 ● CLF_280_RTP
 ● CLF_280_YTP

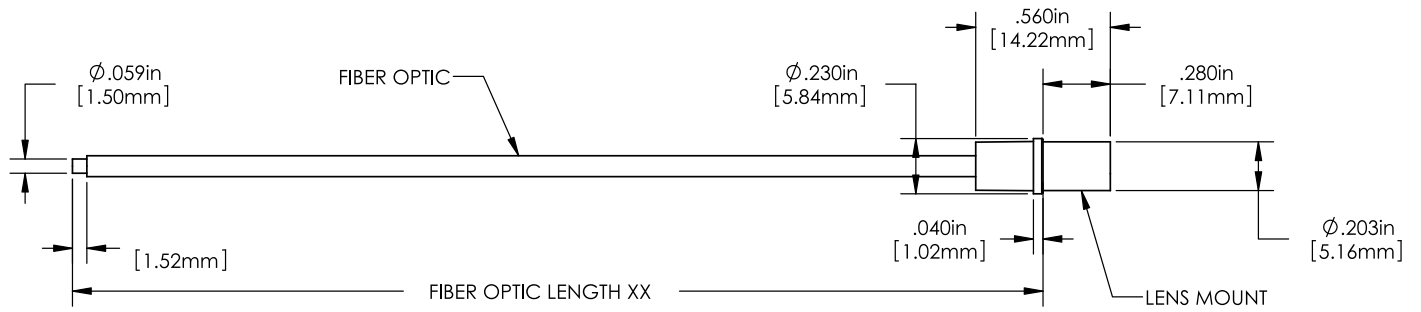


CLB_300
 ● CLB_300_ATP
 ● CLB_300_BTP
 ○ CLB_300_CTP
 ● CLB_300_GTP
 ○ CLB_300_GLO
 ● CLB_300_RTP
 ● CLB_300_YTP



CLR_301
 ● CLR_301_ATP
 ● CLR_301_BTP
 ○ CLR_301_CTP
 ● CLR_301_GTP
 ● CLR_301_RTP
 ● CLR_301_YTP

Product Dimensions



Product Specifications

Materials	
Fiber Optic	ϕ 1.5mm optical core, pi 2.2mm outer diameter with polyethylen jacket
Lens Mount	Optical grade acrylic
Lens	Polycarbonate UL rating 94-V2
Lens Spacer	Polypropylene

Installation Specifications	
Mounting Hole	$\phi .250\pm .002$ [$\phi 6.35\text{mm}\pm .05$] panel hole on .375 [9.5mm] centers.
Panel Thickness	CLF 280: 1/16" (1.60mm) to 1/8" (3.18mm); CLB 300, CLR 301

Compliances and Approvals

