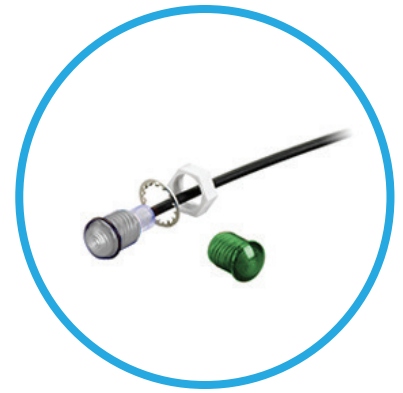


# FLX 442 Series

## 0.312" (7.94mm) Moisture Sealed Fresnel Lens Flexible Light Pipe



Easy panel installation – insert lens through panel hole from and from the back slide slip the lock washer onto lens barrel. While holding lens, twist on retaining ring one revolution until secure

### Application

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

### Key Features

- Lenses mount through a 5/16" (7.94mm) hole on 1/2" (6.35mm) centers
- Lens color available: green and clear
- Fiber optic: Ø 1.5mm optical core, Ø 2.2mm polyethylene cable 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 washer: CR steel, nickle plate
- Lens retaining ring: thermoplastic UL Rating 94-HB
- Lens seal: EPDM
- Optical core ends polished to 10 microns
- Mounts through front of panel. Secured by retaining ring
- Panel thickness 1/32" (0.79mm) to 1/8" (3.18mm)
- For best results use only narrow viewing angle non-diffused leds with output power greater than 100mcd
- U.S. and Foreign Pat. Issued
- For custom light pipe length contact VCC
- RoHS and REACH Compliant

## Ordering Data

Part Number	Lens Type	Lens Color	Light Pipe Length
FLX_442_GTP_12	CMS 442, Moisture-sealed Fresnel	Green Transparent	12.0"
FLX_442_CTP_04	CMS 442, Moisture-sealed Fresnel	Clear Transparent	4.0"
FLX_442_CTP_06	CMS 442, Moisture-sealed Fresnel	Clear Transparent	6.0"
FLX_442_CTP_12	CMS 442, Moisture-sealed Fresnel	Clear Transparent	12.0"

Custom lengths available upon request

## LED Adapter Options (Order Separately)



**SMD 22**  
For SMD

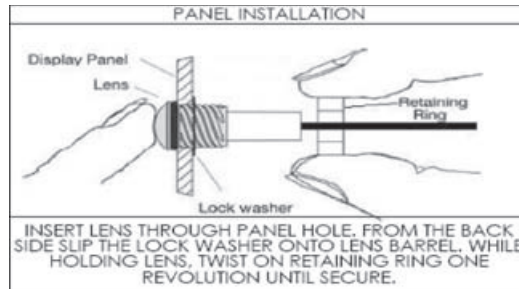
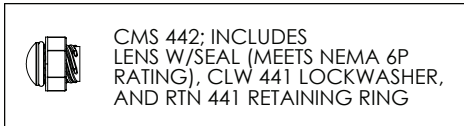
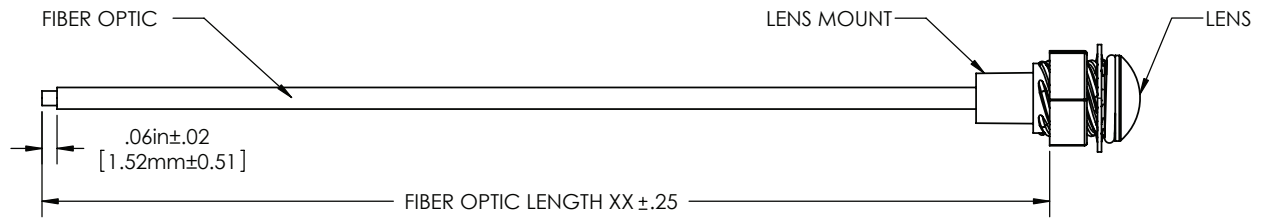


**THR\_22**  
For T-1 LED



**THR\_5\_22**  
For T-1 3/4 LED

## Product Dimensions



### Notes:

1. All dimensions are in inches [millimeters]
2. Tolerance is ± .020 [.508] unless otherwise noted

## Product Specifications

Materials	
Fiber Optic	Ø 1.5mm optical core, Ø 2.2mm polyethylene cable jacket
Lens Mount	Optical grade acrylic
Lens	Polycarbonate UL rating 94-V2
Lens Retaining Ring	Thermoplastic UL Rating 94-HB
Lens Seal	EPDM
Lens Washer	CR Steel, Nickle Plate

Installation Specifications	
Mounting Hole	5/16" (7.94mm) hole on 1/2" (6.35mm) centers
Panel Thickness	1/32" (0.79mm) to 1/8" (3.18mm)

## Compliances and Approvals



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

VCC:

[FLX\\_442\\_CTP\\_04](#) [FLX\\_442\\_CTP\\_06](#) [FLX\\_442\\_CTP\\_12](#) [FLX\\_442\\_GTP\\_12](#)