VCC™

FLX 441 Series
0.312 (7.94mm) 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: red
- 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_441_RTP_06	CMC 441, Standard Fresnel	Red Transparent	6.0″

Custom lengths available upon request
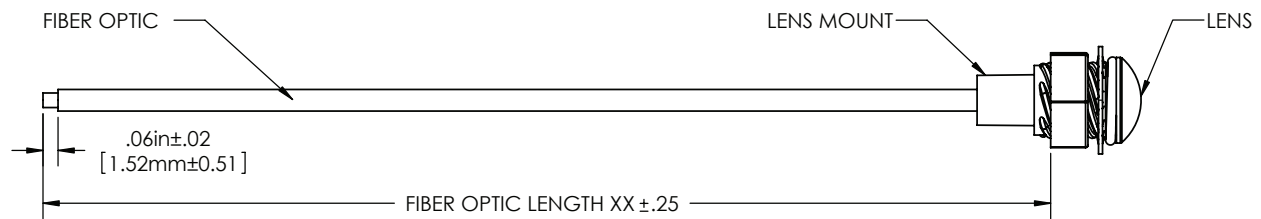
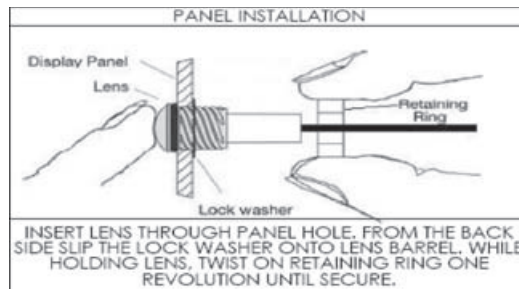## LED Adapter Options (Order Separately)

SMD 22
For SMD

THR_22
For T-1 LED

THR_5_22
For T-1 3/4 LED

Product Dimensions

FIBER OPTIC ————
LENS MOUNT ————
———— LENS

.06in±.02
[1.52mm±0.51]

FIBER OPTIC LENGTH XX ±.25

CMC 441; INCLUDES
LENS, CLW 441 LOCKWASHER, AND
RTN 441 RETAINING RING

PANEL INSTALLATION

Display Panel
Lens
Retaining Ring
Lock washer

INSERT LENS THROUGH PANEL HOLE, FROM THE BACK
SIDE SLIP THE LOCK WASHER ONTO LENS BARREL, WHILE
HOLDING LENS, TWIST ON RETAINING RING ONE
REVOLUTION UNTIL SECURE.

Notes:

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

Product Specifications

<table>
<tr><th colspan="2" align="center">Materials</th></tr>
<tr><td>Fiber Optic</td><td>Ø 1.5mm optical core,
Ø 2.2mm polyethylene cable jacket</td></tr>
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Compliances and Approvals

REACH COMPLIANCE

RoHS COMPLIANT