

## 5mm THREADED LENS for PCB MOUNTED LEDs

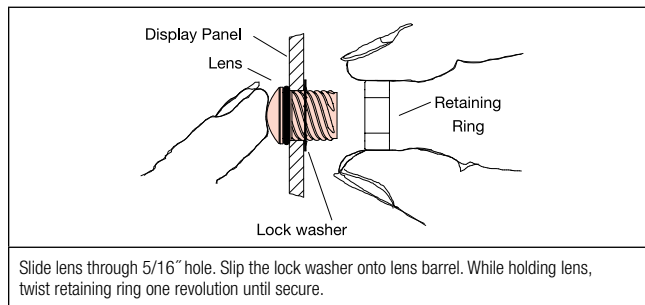
### SPECIFICATIONS

<b>MATERIAL</b>	Lens - Polycarbonate Lock washer - FH Steel, Nickel plate Retaining ring - Thermoplastic U.L. 94 V0 Rated Seal - EPDM
<b>DESIGN</b>	5mm low profile lens with fresnel rings.
<b>MOUNTING</b>	Mounts through front of panel. Retaining ring secures the assembly to panel. CMC 441 & CMS 442 mounts through a 5/16" (8.0mm) hole on 1/2" centers. Panel thickness 1/32" to 1/8".
<b>TEST DATA</b>	Assembly tested for: Temperature cycle -40°C to +105°C, Water, Ice, Shock/vibration up to 6g at 2000Hz, Solar & UV. Tests conducted by Consolidated Laboratories.



U.S. & Foreign Patents Issued and Pending

### EASY THREE STEP PANEL ASSEMBLY



### VERSATILITY

CLIPLITE® lenses provide a method of viewing PCB mounted LEDs on a display panel. Designed to accommodate 5mm through-hole LEDs. Permits LED viewing angles of up to 180 degrees. Lenses are available in six colors.

### BRIGHTNESS

CLIPLITE® lenses enhance the direct viewing of PCB mounted LEDs. Mono, multi-color, infrared, and photo detection devices can be displayed in this manner. LED brightness levels can range from 20 to 40,000mcd.

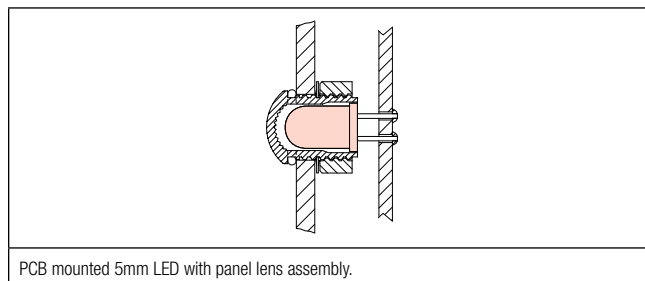
### APPLICATION

CLIPLITE® lenses permit the panel display of PCB mounted LED without its physical attachment to front panel. Properly installed, the assembly exceeds NEMA 4 for water, ice and dust conditions. Additionally tested for U.V., solar, temperature cycling, shock and vibration. Also provides circuit protection from ESD.

### INSTALLATION

CLIPLITE® 5mm lenses are easily installed. Simply slip lens through a 5/16" panel opening, slide lock washer onto lens barrel and twist on retaining ring. PCB mounted LED can then slide in and out of the lens without physical attachment to display panel. If overtightened, retaining ring is designed to slip back into previous thread. Secure by retightening ring.

### LENS ASSEMBLY WITH PCB MOUNTED LEDs



### ORDERING CODES

#### CMC 441 RTP

#### MODEL

CMC 441 Standard Threaded 5mm Fresnel Lens  
 CMS 442 Water Tight Threaded 5mm Fresnel Lens

#### CMC 441 ASSEMBLY CONTAINS

Lens  
 Lock washer  
 Retaining ring

#### CMS 442 ASSEMBLY CONTAINS

Lens w/Seal (Exceeds NEMA 4)  
 Lock washer  
 Retaining ring

#### COLOR

RTP Red Transparent  
 ATP Amber Transparent  
 GTP Green Transparent  
 BTP Blue Transparent  
 YTP Yellow Transparent  
 CTP Clear Transparent

### OUTLINE DRAWING

<b>CMC 441 (Assembly)</b> STANDARD LENS w/Lockwasher & Retainer	<b>CMS 442 (Assembly)</b> WATER TIGHT SEAL w/Lockwasher & Retainer	<b>LOCK WASHER</b>	<b>RETAINING RING</b>	

SEE PAGE 30-31