

5mm THREADED LENS for PCB MOUNTED LEDs

SPECIFICATIONS

MATERIAL	Lens - Polycarbonate Lock washer - FH Steel, Nickel plate Retaining ring - Thermoplastic U.L. 94 V0 Rated Seal - EPDM
DESIGN	5mm low profile lens with fresnel rings.
MOUNTING	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".
TEST DATA	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

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.

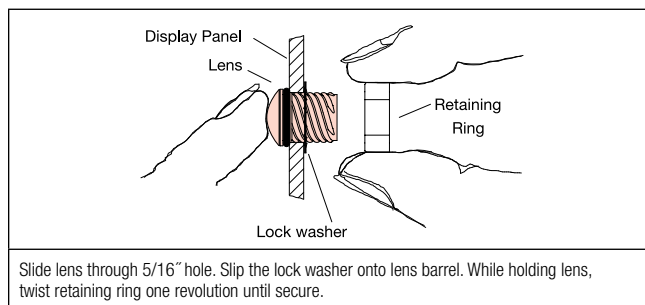
APPLICATION

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.

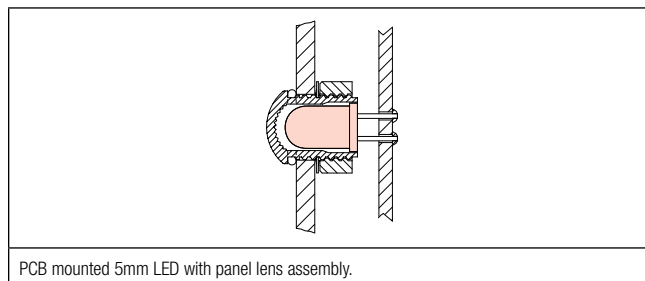
INSTALLATION

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.

EASY THREE STEP PANEL ASSEMBLY



LENS ASSEMBLY WITH PCB MOUNTED LEDs



ORDERING CODES

CMC 441 RTP		
MODEL		COLOR
CMC 441 Standard Threaded 5mm Fresnel Lens		RTP Red Transparent
CMC 442 Water Tight Threaded 5mm Fresnel Lens		ATP Amber Transparent
CMC 441 ASSEMBLY CONTAINS		GTP Green Transparent
Lens		BTP Blue Transparent
Lock washer		YTP Yellow Transparent
Retaining ring		CTP Clear Transparent
CMS 442 ASSEMBLY CONTAINS		
Lens w/Seal (Exceeds NEMA 4)		
Lock washer		
Retaining ring		

OUTLINE DRAWING

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