5mm THREADED LENS for PCB MOUNTED LEDs

VERIFICATION
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 40,000 mcd.

APPLICATION
CLIPLITE® lenses permit the panel display of PCB mounted LED without its physical attachment to the 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.

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 & U.V. Tests conducted by Consolidated Laboratories.

EASY THREE STEP PANEL ASSEMBLY

Slide lens through 5/16” hole. Slip the lock washer onto lens barrel. While holding lens, twist retaining ring one revolution until secure.

ORDERING CODES

MODEL
- CMC 441 (Standard)
- CMS 442 (Water Tight)

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

MODEL
- CMC 441 ASSEMBLY CONTAINS
  - Lens
  - Lock washer
  - Retaining ring
- CMS 442 ASSEMBLY CONTAINS
  - Lens w/Seal (Exceeds NEMA 4)
  - Lock washer
  - Retaining ring

RECOMMENDED LEDS

OUTLINE DRAWING

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