**LOW PROFILE PANEL LENSES FOR PCB MOUNTED LEDS**

**SPECIFICATIONS**

**MATERIAL**
- Lens - Polycarbonate
- Retaining Ring - Polypropylene
  (U.L. Listed Materials)

**DESIGN**
- Low profile lenses CMC 313 plain diffused, CMC 321, CML 325 & SMC 170 with fresnel rings. CMC 323 & CML 327 plain end lens.

**MOUNTING**
- Mounts through front of panel. Retaining ring secures the lens in place.
  - 5mm CMC & CML series mount in a .281˝ (7.2mm) hole on 3/8˝ centers.
  - Panel thickness 1/32˝ to 1/4˝.
  - 3mm (SMC 170) mounts in a .171˝ (4.4mm) hole on 1/4˝ centers.
  - Panel thickness 1/32˝ to 3/32˝.
- For add security use RNG 132 (3mm) or RNG 268 (5mm).

**VERSATILITY**
- CLIPLITE® lenses, installed in a display panel, are used with PCB mounted LEDs. Lenses remain attached to the display or panel door while the LEDs are fixed to the PCB. The lenses are ideal when used together with the CONXRITE® connector assembly.

**BRIGHTNESS**
- CLIPLITE® lenses utilize fresnel rings to increase apparent brightness and viewing angle up to 180 degrees with either diffused or nondiffused LEDs.

**PROTECTION**
- CLIPLITE® lenses help prevent IC failures caused by electrostatic discharge (ESD). Introduction of ESD through an exposed panel mounted LED is capable of damaging or destroying a semiconductor. A CLIPLITE® mounted LED helps guard components from ESD up to 16kV while affording the LED physical protection.

**INSTALLATION**
- CLIPLITE® is inserted through panel opening, retaining ring pressed into place. PCB mounted LEDs slide into lenses when the panel cover is closed or the PCB card is inserted into the case.

**ORDERING CODES**

- **MODEL**
  - CMC 317 (5mm) Fresnel Low Profile Lens
  - CMC 313 (5mm) Plain Diffused Lens
  - CMC 321 (5mm) Fresnel Low Profile Lens
  - * CMC 323 (5mm) Plain End Lens
  - * CML 325 (5mm) Fresnel Low Profile Lens
  - * CML 327 (5mm) Plain End Lens
  - RNG 268 (5mm) Retaining Ring
  - RNG 132 (3mm) Retaining Ring
  - * Denotes Clear only

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

**RECMMENDED LEDS**

- **5mm**
  - **CMC 313/CMC 321**
  - **CML 325/CML 327** (5mm)
  - **RNG 268 (5mm)**

- **3mm**
  - **CMC 323 (5mm)**
  - **SMC 170 (3mm)**
  - **RNG 132 (3mm)**

**LENS STYLES**

- Plain End
- Plain Diffused
- Fresnel Rings

**OUTLINE DRAWING**

- CMC 313/CMC 321
- CML 325/CML 327 (5mm)
- RNG 268 (5mm)
- SMC 170 (3mm)
- RNG 132 (3mm)