

# CLIPLITE®

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## LOW PROFILE PANEL LENSES FOR PCB MOUNTED LEDs



U.S. & Foreign Pat. Pend.

### SPECIFICATIONS

- MATERIAL:** Lens - Polycarbonate; 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 thru 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".  
 5mm CMC & CML series mount in a .281" (7.2mm) hole on 3/8" centers. Panel thickness 1/32" to 1/4".

### ORDERING CODES

MODEL	CMC 321 RTP	COLOR
SMC 170 (3mm) Fresnel L/Profile Lens	RTP Red Transparent	
CMC 313 (5mm) Plain Diffused Lens	ATP Amber Transparent	
CMC 321 (5mm) Fresnel L/Profile Lens	GTP Green Transparent	
*CMC 323 (5mm) Plain End Lens	YTP Yellow Transparent	
*CML 325 (5mm) Fresnel L/Profile Lens	BTP Blue Transparent	
*CML 327 (5mm) Plain End Lens	CTP Clear Transparent	
RNG 132 (3mm) Retaining Ring	*Denotes Clear only	
RNG 268 (5mm) Retaining Ring		

### Lens Styles



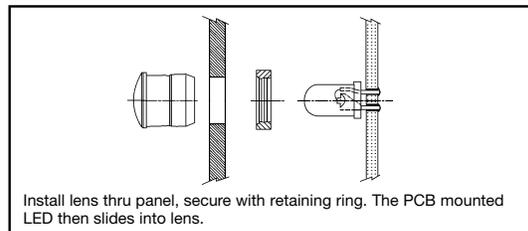
**VERSATILITY** – CLIPLITE, installed in display panel, is used with PCB mounted LEDs. Lenses remain attached to the display or panel door while the LEDs are fixed to the PCB. The lenses are ideal for use together with the CONXRITE connector assembly.

**BRIGHTNESS** – CLIPLITE utilizes fresnel rings to increase apparent brightness and viewing angle up to 180 degrees with either diffused or nondiffused LEDs.

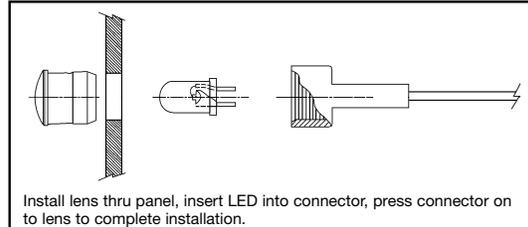
**PROTECTION** – CLIPLITE helps prevent IC failures caused by electrostatic discharge (ESD). Introduction of ESD thru an exposed panel mounted LED is capable of damaging or destroying a semiconductor. A CLIPLITE mounted LED helps guard components from ESD up to 16 kv while affording the LED physical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

**INSTALLATION** – CLIPLITE is inserted thru 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.

### PANEL MOUNTED LENS WITH PCB MOUNTED LED



### PANEL MOUNTED LENS WITH CONXRITE CONNECTOR



### RECOMMENDED LEDs

